



SequeLink[®]

Troubleshooting Guide and Reference

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DataDirect OpenAccess SDK client for ODBC, DataDirect OpenAccess SDK client for ADO, DataDirect Open Access SDK client for JDBC and DataDirect OpenAccess SDK server include DataDirect SequeLink.

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Table of Contents

Preface	7
What Is DataDirect SequeLink®?	7
Using This Book	7
SequeLink® Documentation	9
HTML Version	9
PDF Version	11
Typographical Conventions	12
Environment-Specific Information	13
Contacting Technical Support	14
 Part 1: Troubleshooting	
 1 Troubleshooting Tools for the SequeLink® Client ..	19
Troubleshooting the ODBC Client	19
ODBC Trace	20
The ivestlib Tool	21
Troubleshooting the ADO Client	23
Troubleshooting the JDBC Client	24
DataDirect Test™	24
DataDirect Spy™	30
Generating a Pool Manager Trace File	31
Troubleshooting the .NET Client	39
Tracing Method Calls	39
PerfMon Support	41

2	Troubleshooting Tools for the SequeLink® Server . .	43
	SequeLink® Debug Log Files.	44
	SequeLink® Server Session Debug Log File	44
	SequeLink® Service Debug Log File	46
	Configuring Logging Using the SequeLink® Manager Snap-in	51
	Configuring Logging Using the SequeLink® Manager Command-Line Tool	52
	Configuring Logging Using the SequeLink® Manager for z/OS	53
	Changing the Debug Log Level for Active Services and Sessions	55
	Changing the Debug Log Level for an Active Service . . .	55
	Changing the Debug Log Level for an Active Session . . .	57
	Changing the Service Connection Model	59
	Defining a Server ODBC Trace for the Backend Driver	60
	Troubleshooting Your Database	61
	Connecting with SequeLink® Server for ODBC Socket . . .	61
	Connecting with SequeLink® Server for JDBC Socket. . . .	69
	Connecting with SequeLink® Server for DB2 on z/OS . . .	80
3	Troubleshooting TCP/IP Connection Problems	85
	Establishing a TCP/IP Connection	85
	Connection Handshaking.	87

Part 2: Error Codes and Messages

4	Overview of Error Codes and Messages	91
	SequeLink® ODBC Driver	91
	SequeLink® ODBC Driver Errors.	92
	SequeLink® Client Errors	92
	SequeLink® Server Errors	93
	Database Errors	93
	SequeLink® ADO Data Provider	94
	SequeLink® ADO Data Provider Errors	94
	SequeLink® Client Errors	95
	SequeLink® Server Errors	95
	Database Errors	96
	SequeLink® JDBC Driver.	96
	SequeLink® JDBC Driver Errors	96
	SequeLink® Server Errors	97
	Database Errors	97
	SequeLink® .NET Data Provider	98
	SequeLink® Client Errors	98
	SequeLink® Server Errors	98
	Database Errors	99
5	Error Messages	101

Part 3: z/OS Log Messages and Reference

6	Overview of z/OS Log Messages	247
	Message Categories.	247
	Message Severity	248
	Message Descriptions	248

7 z/OS Messages and Descriptions249

 Operator Interface Messages..... 249

 DB2 Application Support Package Messages 256

 Multiplatform Log Messages..... 274

 Server Controller Task Messages 277

 Resource Manager Messages..... 312

 ThreadPool Task Messages..... 314

8 SAS/C Runtime Library Messages.....319

Index321

Preface

This book provides information about error codes and messages that may be generated when you use DataDirect SequeLink® from DataDirect Technologies. Read on to find out more about SequeLink and how to use this book.

What Is DataDirect SequeLink®?

DataDirect SequeLink is a middleware product that provides point-to-point connections from a client to a server for the latest data access standards, including Open Database Connectivity (ODBC), JDBC, ActiveX Data Objects (ADO), and ADO.NET.

In this documentation, references to SequeLink Server and SequeLink Client apply to both the 32-bit and 64-bit versions. Information that applies to a specific version of SequeLink Server or SequeLink Client is identified.

Using This Book

This book assumes that you are familiar with your operating system and its commands; the definition of directories; the management of user accounts and security access; and your network protocol and its configuration.

This book contains the following information:

Part 1: Troubleshooting

- [Chapter 1 “Troubleshooting Tools for the SequeLink® Client” on page 19](#) provides information about troubleshooting tools for the SequeLink *for* ODBC driver, SequeLink *for* ADO data provider, SequeLink *for* JDBC driver, and SequeLink *for* .NET data provider.
- [Chapter 2 “Troubleshooting Tools for the SequeLink® Server” on page 43](#) describes how to use log files to troubleshoot problems.
- [Chapter 3 “Troubleshooting TCP/IP Connection Problems” on page 85](#) provides information on the types of problems that can occur with TCP/IP connections.

Part 2: Error Codes and Messages

- [Chapter 4 “Overview of Error Codes and Messages” on page 91](#) provides general information about SequeLink’s error handling strategy and describes the types of errors that can occur when using SequeLink.
- [Chapter 5 “Error Messages” on page 101](#) lists error codes and messages that may be generated by SequeLink.

Part 2: z/OS Messages and Reference

- [Chapter 6 “Overview of z/OS Log Messages” on page 247](#) describes how z/OS log messages are organized and formatted.
- [Chapter 7 “z/OS Messages and Descriptions” on page 249](#) lists z/OS log messages that may be generated and provides a description of each message.
- [Chapter 8 “SAS/C Runtime Library Messages” on page 319](#) describes how SequeLink Server and SequeLink Manager report messages generated by the SAS/C run-time library.

NOTE: This book refers the reader to Web URLs for more information about specific topics, including Web URLs not maintained by DataDirect Technologies. Because it is the nature of Web content to change frequently, DataDirect Technologies can guarantee only that the URLs referenced in this book were correct at the time of publishing.

SequeLink® Documentation

The following table provides a guide for finding information in your SequeLink documentation:

For information about...	Go to...
SequeLink concepts and planning your SequeLink environment	<i>Getting Started with SequeLink</i>
Installing the SequeLink middleware components	<i>SequeLink Installation Guide</i>
Administering your SequeLink environment	<i>SequeLink Administrator's Guide</i>
Developing ODBC, ADO, JDBC, and .NET applications for the SequeLink environment	<i>SequeLink Developer's Reference</i>
Troubleshooting and referencing error messages	<i>SequeLink Troubleshooting Guide and Reference</i>

HTML Version



All of these books can be placed on your system as HTML-based online help during a normal installation of the product. They are located in the help subdirectory of the product installation

SequeLink Troubleshooting Guide and Reference

directory. To use the help, you must have one of the following browsers installed:

- Internet Explorer 5.x or higher
- Netscape 4.x, 6.1, or higher
- FireFox 1.0 or higher

If you choose to install the online books, you can access the entire help system by selecting the help icon that appears in the DataDirect program group.



On UNIX and Linux platforms, if you want the help files, copy the /bookshtml subdirectory from the product DVD to a local directory.

To open the help system from a command-line environment, at a command prompt, enter:

```
browser_exe my_local_dir/bookshtml/help.htm
```

where *browser_exe* is the name of your browser executable and *my_local_dir* is the path to the product installation directory.

After the browser opens, the left pane displays the Table of Contents, Index, and Search tabs for the entire documentation library. When you have opened the main screen of the help system in your browser, you can bookmark it in the browser for quick access later.

NOTE: Security features set in your browser can prevent the help system from launching. A security warning message is displayed. Often, the warning message provides instructions for unblocking the help system for the current session. To allow the help system to launch without encountering a security warning message, the security settings in your browser can be modified. Check with your system administrator before disabling any security features.

Help is available from the setup dialog box for the ODBC driver and ADO data provider. When you click **Help**, your browser opens to the correct topic in the help system, without opening the help

Table of Contents. A grey toolbar appears at the top of the browser window.



This tool bar contains previous and next navigation buttons.

PDF Version

DataDirect product documentation is also provided in PDF format, which allows you to view it, perform text searches, or print it. You can view the PDF documentation using the Adobe Acrobat Reader. The PDF documentation is available on the product DVD and also on the DataDirect Technologies Web site:

http://www.datadirect.com/support/product_info/proddoc_product/index.ssp

You can download the entire library in a compressed file. When you uncompress the file, it appears in the correct directory structure.

If you want to copy the documentation library from the product DVD, you must maintain the same directory structure that is on the DVD.

- **To copy all product books**, copy the entire \bookspdf directory to your local or network drive.
- **To copy a specific book**, copy that book's directory structure (beneath the \bookspdf subdirectory) to your local or network drive. For example, to copy the *SequeLink Administrator's Guide*, you would copy the entire \admin subdirectory:

```
\bookspdf\admin
```

Maintaining the correct directory structure allows cross-book text searches and cross-references. If you download or copy the books individually outside of their normal directory structure, their cross-book search indexes and hyperlinked cross-references to other volumes will not work. You can view a book individually, but it will not automatically open other books to which it has cross-references.

To help you navigate through the library, a file, called **books.pdf**, is provided. This file lists each online book provided for the product. We recommend that you open this file first and, from this file, open the book you want to view.

Typographical Conventions

Convention	Explanation
<i>italics</i>	Introduces new terms with which you may not be familiar, and is used occasionally for emphasis.
bold	Emphasizes important information. Also indicates button, menu, and icon names on which you can act. For example, click Next .
UPPERCASE	Indicates keys or key combinations that you can use. For example, press the ENTER key. Also used for SQL reserved words.
monospace	Indicates syntax examples, values that you specify, or results that you receive.
<i>monospaced italics</i>	Indicates names that are placeholders for values that you specify. For example, <i>filename</i> .
forward slash /	Separates menus and their associated commands. For example, Select File / Copy means that you should select Copy from the File menu. The slash also separates directory levels when specifying locations under UNIX.

Convention	Explanation
vertical rule	Indicates an "OR" separator used to delineate items.
brackets []	Indicates optional items. For example, in the following statement: SELECT [DISTINCT], DISTINCT is an optional keyword. Also indicates sections of the Windows Registry.
braces { }	Indicates that you must select one item. For example, {yes no} means that you must specify either yes or no.
ellipsis . . .	Indicates that the immediately preceding item can be repeated any number of times in succession. An ellipsis following a closing bracket indicates that all information in that unit can be repeated.

Environment-Specific Information

This book supports users of various operating environments. Where it provides information that does not apply to all supported environments, the following symbols are used to identify that information:



Windows. Information specific to the Microsoft Windows 2000, Windows Server 2003 (32-bit), Windows XP, and Windows Vista environment is identified by Windows symbol.



UNIX and Linux. Information specific to Linux and UNIX environments is identified by this symbol, which applies to all Linux and UNIX environments supported. UNIX is a registered trademark of The Open Group in the United States and other countries.

z/OS

z/OS. Information specific to z/OS and OS/390 environments is identified by the characters z/OS.

Contacting Technical Support

DataDirect Technologies offers a variety of options to meet your technical support needs. Please visit our Web site for more details and for contact information:

<http://support.datadirect.com>

The DataDirect Technologies Web site provides the latest support information through our global service network. The SupportLink program provides access to support contact details, tools, patches, and valuable information, including a list of FAQs for each product. In addition, you can search our Knowledgebase for technical bulletins and other information.

To obtain technical support for an evaluation copy of the product, go to:

http://www.datadirect.com/support/eval_help/index.ssp

or contact your sales representative.

When you contact us for assistance, please provide the following information:

- The serial number that corresponds to the product for which you are seeking support, or a case number if you have been provided one for your issue. If you do not have a SupportLink contract, the SupportLink representative assisting you will connect you with our Sales team.
- Your name, phone number, email address, and organization. For a first-time call, you may be asked for full customer information, including location.
- The DataDirect product and the version that you are using.
- The type and version of the operating system where you have installed your DataDirect product.

- Any database, database version, third-party software, or other environment information required to understand the problem.
- A brief description of the problem, including, but not limited to, any error messages you have received, what steps you followed prior to the initial occurrence of the problem, any trace logs capturing the issue, and so on. Depending on the complexity of the problem, you may be asked to submit an example or reproducible application so that the issue can be recreated.
- A description of what you have attempted to resolve the issue. If you have researched your issue on Web search engines, our Knowledgebase, or have tested additional configurations, applications, or other vendor products, you will want to carefully note everything you have already attempted.
- A simple assessment of how the severity of the issue is impacting your organization.

Part 1: Troubleshooting

This part contains the following chapters:

- [Chapter 1 “Troubleshooting Tools for the SequeLink® Client” on page 19](#) describes tools that you can use to identify problems for the SequeLink Client *for* ODBC, SequeLink Client *for* ADO, SequeLink Client *for* JDBC, and SequeLink Client *for* .NET.
- [Chapter 2 “Troubleshooting Tools for the SequeLink® Server” on page 43](#) describes tools that you can use to troubleshoot application and connection problems when using the SequeLink Server. The chapter also describes the SequeLink debug log files, how to obtain the files, and how to set the debug log file options.
- [Chapter 3 “Troubleshooting TCP/IP Connection Problems” on page 85](#) provides information on the types of problems that can occur with TCP/IP connections.

1 Troubleshooting Tools for the SequeLink® Client

This chapter provides information about troubleshooting tools for the SequeLink Client *for* ODBC (the ODBC driver), SequeLink Client *for* ADO (the ADO data provider), SequeLink Client *for* JDBC (the JDBC driver), and SequeLink Client *for* .NET (the .NET data provider).

Troubleshooting the ODBC Client



On Windows, Microsoft ships along with their ODBC SDK an ODBC-enabled application, named ODBC Test, that you can use to test ODBC drivers and the ODBC Driver Manager. ODBC 3.51 includes both ANSI and Unicode-enabled versions of ODBC Test.

To use ODBC Test, you must understand the ODBC API, the C language, and SQL. For more information about ODBC Test, see the Microsoft ODBC SDK Guide.



The `example` and `example64` applications are small C applications provided with the ODBC Client on UNIX and Linux platforms. The programs are located in the `installdir/6_00_00/example` directory, where `installdir` is the installation directory of the ODBC Client. When you run the executable, you are prompted for the ODBC data source name, user ID, and password. Once connected, a prompt will appear. You can then execute any non-parameterized SQL statements.

The `example` and `example64` examples are useful for executing any type of SQL statement, testing database connections and SQL statements, and verifying your database environment.

ODBC Trace

ODBC tracing allows you to trace calls to ODBC drivers and create a log of the traces. Creating a trace log is particularly useful when you are troubleshooting an issue.

To create a trace log:

- 1 Enable tracing (see [“Enabling ODBC Tracing on the ODBC Client” on page 20](#) for more information).
- 2 Start the ODBC application and reproduce the issue.
- 3 Stop the application and turn off tracing.
- 4 Then, open the log file in a text editor and review the output to help you debug the problem.

For a more thorough explanation of tracing, refer to the following DataDirect Knowledgebase document:

<http://knowledgebase.datadirect.com/kbase.nsf/SupportLink+Online/2549739SL>

Enabling ODBC Tracing on the ODBC Client



To specify the path and name of the trace log file, type the path and name in the Log File Path field or click **Browse** to select a log file. If no location is specified, the trace log resides in the working directory of the application you are using.

The default DLL, odbctrac.dll, performs tracing. If you want to use a custom DLL instead, type the path and name of the DLL in the Custom Trace DLL field or click **Browse** to select a DLL.

After making these changes on the Trace tab, click **Apply** for them to take effect.

Enable tracing by clicking **Start Tracing Now** on the Tracing tab of the ODBC Data Source Administrator. Click **Stop Tracing Now** to

disable tracing. Tracing continues until you disable it. Be sure to turn off tracing by clicking the **Stop Tracing Now** button when you are finished reproducing the issue because tracing decreases the performance of your ODBC application.



On UNIX and Linux, you can enable tracing by modifying the [ODBC] section in the system information file (the `odbc.ini` file). The [ODBC] section of the system information file includes three keywords related to tracing: `Trace`, `TraceFile`, and `TraceDll`. For example:

```
Trace=1
TraceFile=odbctrace.out
TraceDll=ODBCHOME/lib/odbctrac.so
```

In this example, tracing is enabled, trace information is logged in a file named `odbctrace.out`, and `odbctrac.so` performs the tracing.

You enable tracing by setting the value of `Trace` to 1. Set the value to 0 to disable tracing. Tracing continues until you disable it. Be sure to turn off tracing when you are finished reproducing the issue because tracing decreases the performance of your ODBC application.

To specify the path and name of the trace log file, enter it as the value for `TraceFile`. If no location is specified, the trace log resides in the working directory of the application you are using.

DataDirect ships a default shared object, `odbctrac.so`, to perform tracing. If you want to use a custom shared object instead, enter the path and name of the shared object as the value for `TraceDll`.

The `ivtestlib` Tool



The `ivtestlib` tool, located in the `installdir/tools` directory, is provided to help diagnose configuration problems in the Linux and UNIX environments (such as environment variables not correctly set or missing database client components). It attempts

to load a specified ODBC driver and prints out all available error information if the load fails.

On HP-UX, for example, if the SequeLink ODBC driver is installed in /opt/slodbc, the command:

```
ivtestlib /opt/slodbc/lib/slslk22.sl
```

attempts to load the SequeLink ODBC driver. If the driver cannot be loaded, ivtestlib returns an error message explaining why.

NOTE: On Solaris, AIX, and Linux, the full path to the driver does not have to be specified for ivtestlib. The HP-UX version of ivtestlib however, requires the full path.

If the load is successful, ivtestlib returns a success message along with the version string of the driver on Linux and UNIX. If the driver cannot be loaded, ivtestlib returns an error message explaining why.

The ivcheckcp Utility



The ivcheckcp utility, located in the installdir/tools, checks the codepage of your system and displays the locale, code page, iananame and IANAAppCodePage. The IANAAppCodePage number is the transliteration configuration parameter for the DataDirect Driver Manager on UNIX.

The syntax of this command is

```
ivcheckcp <locale>
```

Example 1 (on AIX)

```
$ ./ivcheckcp en_US.ISO8859-1
      locale      codepage      iananame IANAAppCodePage
en_US.ISO8859-1  ISO8859-1    ISO-8859-1 4
```

Example 2 (on AIX)

```
$ ./ivcheckcp 'locale -a'
      locale          codepage          iananame IANAAppCodePage
      C              ISO8859-1          ISO-8859-1 4
      POSIX          ISO8859-1          ISO-8859-1 4
      en_US          ISO8859-1          ISO-8859-1 4
      en_US.8859-15  ISO8859-15          ISO-8859-15 111
      en_US.ISO8859-1 ISO8859-1          ISO-8859-1 4
```

Example 3 (on z/OS)

```
      locale          codepage          iananame IANAAppCodePage
      en_US.ISO8859-1 IBM-1047          IBM1047 2102
```

Troubleshooting the ADO Client

Rowset Viewer is a tool provided by Microsoft that allows you to view and manipulate ADO/OLE DB rowsets. In addition, you can use Rowset Viewer to test ADO and OLE DB methods from the objects supported by the ADO data provider. The Rowset Viewer also displays any error information from the data provider.

For information on using the Rowset Viewer, see "Rowset Viewer Sample" at

<http://msdn2.microsoft.com/en-us/library/ms714336.aspx>.

Troubleshooting the JDBC Client

The SequeLink package includes the DataDirect Test™ *for* JDBC and DataDirect Spy™ *for* JDBC tools to help you troubleshoot the JDBC driver.

DataDirect Test™

DataDirect Test is a menu-driven software component that is included in the SequeLink package. It helps you debug your JDBC applications and learn how to use the JDBC driver. DataDirect Test contains menu selections that:

- Correspond to specific JDBC functions—for example, connecting to a database or passing a SQL statement.
- Encapsulate multiple JDBC function calls as a shortcut to perform some common tasks, such as displaying the contents of a result set.

DataDirect Test displays the results of all JDBC function calls in one window, while displaying fully commented, Java JDBC code in an alternate window.

This section introduces DataDirect Test and describes how to use it to test JDBC connections. Refer to the *SequeLink Developer's Reference* for information on additional features of DataDirect Test and a tutorial that takes you through a working example of its use.

Configuring DataDirect Test™

The default DataDirect Test configuration file is

installdir/testforjdbc/Config.txt

where *installdir* is the installation directory of the JDBC Client. You can customize this file for your environment using any text editor.

All parameters in the DataDirect Test configuration file can be customized, but the most commonly configured parameters are:

Drivers	A list of colon-separated JDBC driver classes.
DefaultDriver	The default JDBC driver that appears in the Get Driver URL window.
Databases	A list of comma-separated JDBC URLs. The first item in the list appears as the default in the database selection window. You can use one of these URLs as a template when you make a JDBC connection. The default Config.txt file contains example URLs for most databases.
InitialContextFactory	Should be set to <code>com.sun.jndi.fscontext.ReffFSContextFactory</code> if you are using file system data sources, or <code>com.sun.jndi.ldap.LdapCtxFactory</code> if you are using LDAP.
ContextProviderURL	The location of the .bindings file if you are using file system data sources, or your LDAP Provider URL if you are using LDAP.
Datasources	A list of comma-separated JDBC data sources. The first item in the list appears as the default in the data source selection window.

Starting DataDirect Test™

How you start DataDirect Test depends on whether you want to start it as an application or applet, and your Java Virtual Machine:



- **As a Java application on Windows:** Run the testforjdbc.bat file located in the testforjdbc subdirectory in your DataDirect SequeLink for JDBC Client installation directory.



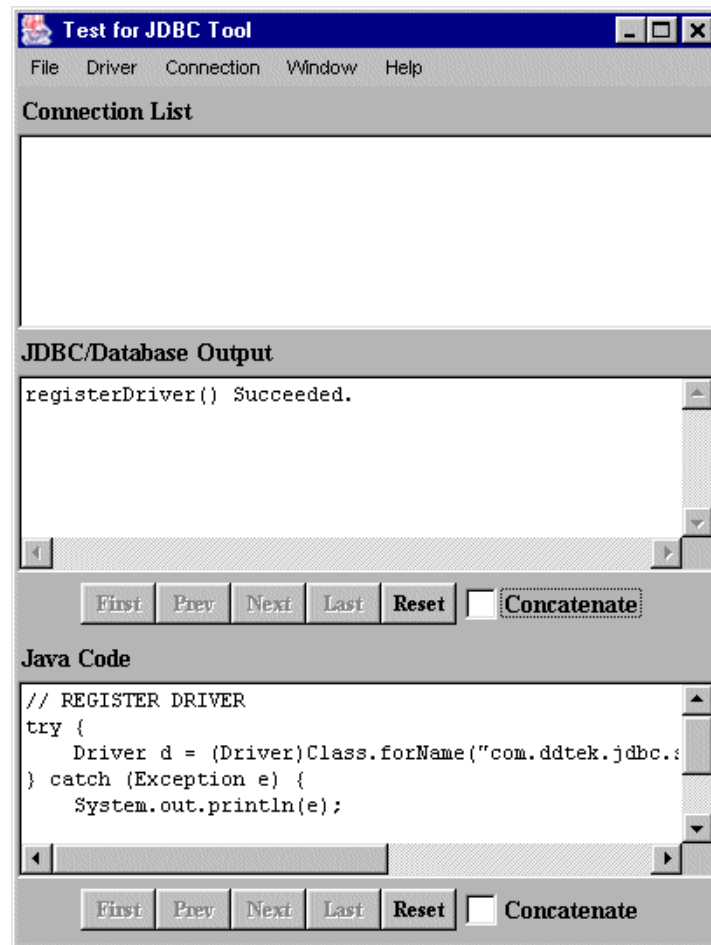
- **As a Java application on UNIX:** Run the testforjdbc.sh shell script located in the testforjdbc subdirectory.

Making a DataDirect Test™ Connection

- 1 Select **Driver / Register Driver**. DataDirect Test prompts you for the JDBC driver to load.
- 2 In the Please Supply a Driver URL field, make sure that a driver is specified, as in the following example; then, click **OK**.

```
com.ddtek.jdbc.sequelink.SequeLinkDriver
```

If the SequeLink JDBC Driver was registered successfully, the main DataDirect Test window appears with a confirmation in the JDBC/Database Output scroll box.

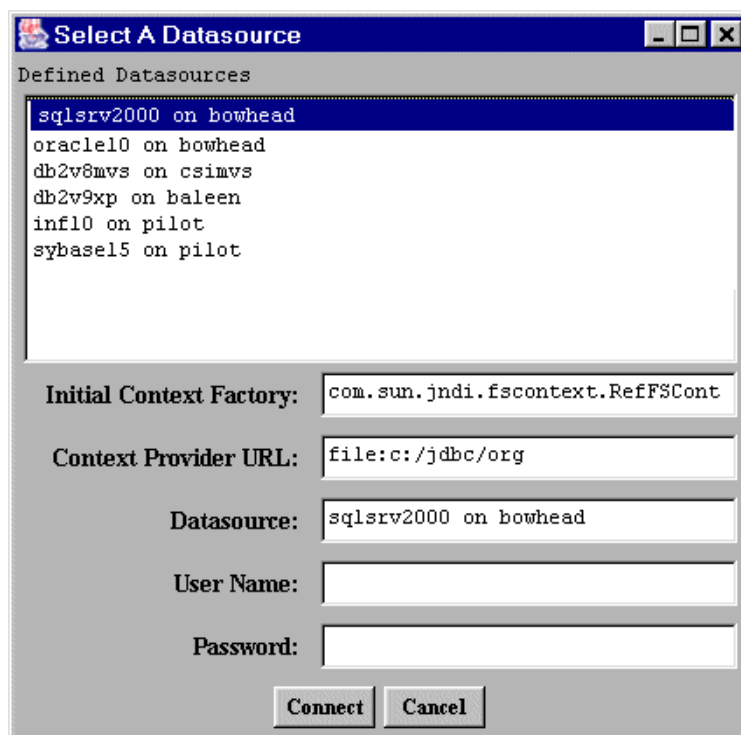


The main DataDirect Test window shows the following information:

- In the Connection List box, a list of available connections
- In the JDBC/Database scroll box, a report indicating whether the last action succeeded or failed
- In the Java Code scroll box, the actual Java code used to implement the last action

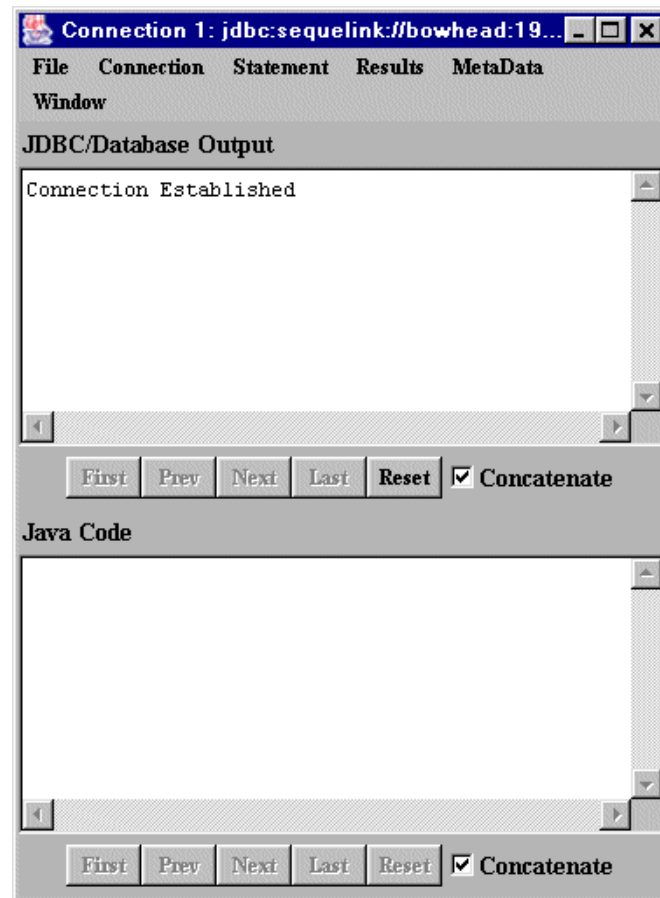
TIP: The DataDirect Test windows contain two Concatenate check boxes. Select a Concatenate check box to see a cumulative record of previous actions; otherwise, only the last action is shown. Be aware that selecting Concatenate can degrade performance, particularly when displaying large result sets.

- 3 Select **Connection / Connect to DB via Data Source**. DataDirect Test displays the Select A Datasource window.



- 4 Select a data source from the Defined Datasources pane. In the User Name and Password fields, type the required user name and password connection properties; then, click **Connect**. For information about JDBC connection properties, refer to the *SequeLink Developer's Reference*.

If the connection was successful, the Connection window appears and a message is displayed in the JDBC/Database Output scroll box.



The connection window shows the following information:

- In the JDBC/Database Output scroll box, a report indicating whether the last action succeeded or failed
- In the Java Code scroll box, the actual Java code used to implement the last action

TIP: Select the **Concatenate** check box to see the Java code of all previous actions; otherwise, only the Java code of the last action will be shown.

DataDirect Spy™

DataDirect Spy is a software component for tracking JDBC calls at runtime. It passes calls issued by an application to an underlying JDBC driver and logs detailed information about those calls.

DataDirect Spy provides the following advantages:

- Logging is JDBC 3.0-compliant, including support for the JDBC 2.0 Optional Package.
- Logging is consistent, regardless of the JDBC driver used.
- All parameters and function results for JDBC calls can be logged.
- Logging can be enabled without changing the application.
- DataDirect Spy can only be used with the SequeLink *for* JDBC Driver and the DataDirect Connect® *for* JDBC drivers.

When you enable DataDirect Spy for a connection, you can customize DataDirect Spy logging for your needs by setting one or multiple options for DataDirect Spy. For example, you may want to direct logging to a local file on your machine.

Generating a Pool Manager Trace File

Connection pooling allows connections to be reused rather than created each time a connection is requested. Your application can use connection pooling through the DataDirect Connection Pool Manager. Refer to the *SequeLink Developer's Reference* for information about using the Pool Manager.

Enabling Pool Manager Tracing

You can enable Pool Manager logging by calling `setTracing(true)` on the `PooledConnectionDataSource` connection. To disable tracing, call `setTracing(false)` on the connection. See [“Pool Manager Trace File Example” on page 32](#) for information about using a Pool Manager trace file for troubleshooting.

By default, the DataDirect Connection Pool Manager logs its pool activities to the standard output `System.out`. You can change where the Pool Manager trace information is written by calling the `setLogWriter()` method on the `PooledConnectionDataSource` connection.

Pool Manager Trace File Example

The following example shows a DataDirect Connection Pool Manager trace file. The numbers in bold superscript are note indicators that correspond to the notes listed in [“NOTES” on page 37](#) following the example. They provide explanations for the referenced text to help you understand the content of your own Pool Manager trace files.

```
jdbc/sequeLinkPool: *** ConnectionPool Created
(jdbc/sequeLinkPool,
 com.ddtek.jdbcx.sequelink.SequeLinkDataSource@1835282, 5, 5, 10, scott)1
jdbc/sequeLinkPool: Number pooled connections = 0.
jdbc/sequeLinkPool: Number free connections = 0.

jdbc/sequeLinkPool: Enforced minimum!2
NrFreeConnections was: 0
jdbc/sequeLinkPool: Number pooled connections = 5.
jdbc/sequeLinkPool: Number free connections = 5.

jdbc/sequeLinkPool: Reused free connection.3
jdbc/sequeLinkPool: Number pooled connections = 5.
jdbc/sequeLinkPool: Number free connections = 4.

jdbc/sequeLinkPool: Reused free connection.
jdbc/sequeLinkPool: Number pooled connections = 5.
jdbc/sequeLinkPool: Number free connections = 3.

jdbc/sequeLinkPool: Reused free connection.
jdbc/sequeLinkPool: Number pooled connections = 5.
jdbc/sequeLinkPool: Number free connections = 2.

jdbc/sequeLinkPool: Reused free connection.
jdbc/sequeLinkPool: Number pooled connections = 5.
jdbc/sequeLinkPool: Number free connections = 1.

jdbc/sequeLinkPool: Reused free connection.
jdbc/sequeLinkPool: Number pooled connections = 5.
jdbc/sequeLinkPool: Number free connections = 0.
```



```

jdbc/sequenceLinkPool: Created new connection.4
jdbc/sequenceLinkPool: Number pooled connections = 6.
jdbc/sequenceLinkPool: Number free connections = 0.

jdbc/sequenceLinkPool: Created new connection.
jdbc/sequenceLinkPool: Number pooled connections = 7.
jdbc/sequenceLinkPool: Number free connections = 0.

jdbc/sequenceLinkPool: Created new connection.
jdbc/sequenceLinkPool: Number pooled connections = 8.
jdbc/sequenceLinkPool: Number free connections = 0.

jdbc/sequenceLinkPool: Created new connection.
jdbc/sequenceLinkPool: Number pooled connections = 9.
jdbc/sequenceLinkPool: Number free connections = 0.

jdbc/sequenceLinkPool: Created new connection.
jdbc/sequenceLinkPool: Number pooled connections = 10.
jdbc/sequenceLinkPool: Number free connections = 0.

jdbc/sequenceLinkPool: Created new connection.
jdbc/sequenceLinkPool: Number pooled connections = 11.
jdbc/sequenceLinkPool: Number free connections = 0.

jdbc/sequenceLinkPool: Connection was closed and added to the cache.5
jdbc/sequenceLinkPool: Number pooled connections = 11.
jdbc/sequenceLinkPool: Number free connections = 1.

jdbc/sequenceLinkPool: Connection was closed and added to the cache.
jdbc/sequenceLinkPool: Number pooled connections = 11.
jdbc/sequenceLinkPool: Number free connections = 2.

jdbc/sequenceLinkPool: Connection was closed and added to the cache.
jdbc/sequenceLinkPool: Number pooled connections = 11.
jdbc/sequenceLinkPool: Number free connections = 3.

jdbc/sequenceLinkPool: Connection was closed and added to the cache.
jdbc/sequenceLinkPool: Number pooled connections = 11.
jdbc/sequenceLinkPool: Number free connections = 4.

```

```
jdbc/sequeLinkPool: Connection was closed and added to the cache.  
jdbc/sequeLinkPool: Number pooled connections = 11.  
jdbc/sequeLinkPool: Number free connections = 5.
```

```
jdbc/sequeLinkPool: Connection was closed and added to the cache.  
jdbc/sequeLinkPool: Number pooled connections = 11.  
jdbc/sequeLinkPool: Number free connections = 6.
```

```
jdbc/sequeLinkPool: Connection was closed and added to the cache.  
jdbc/sequeLinkPool: Number pooled connections = 11.  
jdbc/sequeLinkPool: Number free connections = 7.
```

```
jdbc/sequeLinkPool: Connection was closed and added to the cache.  
jdbc/sequeLinkPool: Number pooled connections = 11.  
jdbc/sequeLinkPool: Number free connections = 8.
```

```
jdbc/sequeLinkPool: Connection was closed and added to the cache.  
jdbc/sequeLinkPool: Number pooled connections = 11.  
jdbc/sequeLinkPool: Number free connections = 9.
```

```
jdbc/sequeLinkPool: Connection was closed and added to the cache.  
jdbc/sequeLinkPool: Number pooled connections = 11.  
jdbc/sequeLinkPool: Number free connections = 10.
```

```
jdbc/sequeLinkPool: Connection was closed and added to the cache.  
jdbc/sequeLinkPool: Number pooled connections = 11.  
jdbc/sequeLinkPool: Number free connections = 11.
```

```
jdbc/sequeLinkPool: Enforced minimum!6  
NrFreeConnections was: 11  
jdbc/sequeLinkPool: Number pooled connections = 11.  
jdbc/sequeLinkPool: Number free connections = 11.
```

```
jdbc/sequeLinkPool: Enforced maximum!7  
NrFreeConnections was: 11  
jdbc/sequeLinkPool: Number pooled connections = 10.  
jdbc/sequeLinkPool: Number free connections = 10.
```

```

jdbc/sequenceLinkPool: Enforced minimum!
NrFreeConnections was: 10
jdbc/sequenceLinkPool: Number pooled connections = 10.
jdbc/sequenceLinkPool: Number free connections = 10.

jdbc/sequenceLinkPool: Enforced maximum!
NrFreeConnections was: 10
jdbc/sequenceLinkPool: Number pooled connections = 10.
jdbc/sequenceLinkPool: Number free connections = 10.

jdbc/sequenceLinkPool: Enforced minimum!
NrFreeConnections was: 10
jdbc/sequenceLinkPool: Number pooled connections = 10.
jdbc/sequenceLinkPool: Number free connections = 10.

jdbc/sequenceLinkPool: Enforced maximum!
NrFreeConnections was: 10
jdbc/sequenceLinkPool: Number pooled connections = 10.
jdbc/sequenceLinkPool: Number free connections = 10.

jdbc/sequenceLinkPool: Dumped free connection.a
jdbc/sequenceLinkPool: Number pooled connections = 9.
jdbc/sequenceLinkPool: Number free connections = 9.

jdbc/sequenceLinkPool: Dumped free connection.
jdbc/sequenceLinkPool: Number pooled connections = 8.
jdbc/sequenceLinkPool: Number free connections = 8.

jdbc/sequenceLinkPool: Dumped free connection.
jdbc/sequenceLinkPool: Number pooled connections = 7.
jdbc/sequenceLinkPool: Number free connections = 7.

jdbc/sequenceLinkPool: Dumped free connection.
jdbc/sequenceLinkPool: Number pooled connections = 6.
jdbc/sequenceLinkPool: Number free connections = 6.

```

```

jdbc/sequeLinkPool: Dumped free connection.
jdbc/sequeLinkPool: Number pooled connections = 5.
jdbc/sequeLinkPool: Number free connections = 5.

jdbc/sequeLinkPool: Dumped free connection.
jdbc/sequeLinkPool: Number pooled connections = 4.
jdbc/sequeLinkPool: Number free connections = 4.

jdbc/sequeLinkPool: Dumped free connection.
jdbc/sequeLinkPool: Number pooled connections = 3.
jdbc/sequeLinkPool: Number free connections = 3.

jdbc/sequeLinkPool: Dumped free connection.
jdbc/sequeLinkPool: Number pooled connections = 2.
jdbc/sequeLinkPool: Number free connections = 2.

jdbc/sequeLinkPool: Dumped free connection.
jdbc/sequeLinkPool: Number pooled connections = 1.
jdbc/sequeLinkPool: Number free connections = 1.

jdbc/sequeLinkPool: Dumped free connection.
jdbc/sequeLinkPool: Number pooled connections = 0.
jdbc/sequeLinkPool: Number free connections = 0.

jdbc/sequeLinkPool: Enforced minimum!9
NrFreeConnections was: 0
jdbc/sequeLinkPool: Number pooled connections = 5.
jdbc/sequeLinkPool: Number free connections = 5.

jdbc/sequeLinkPool: Enforced maximum!
NrFreeConnections was: 5
jdbc/sequeLinkPool: Number pooled connections = 5.
jdbc/sequeLinkPool: Number free connections = 5.

jdbc/sequeLinkPool: Closing a pool of the group
    jdbc/sequeLinkPool10
jdbc/sequeLinkPool: Number pooled connections = 5.
jdbc/sequeLinkPool: Number free connections = 5.

```

```
jdbc/sequenceLinkPool: Pool closed 11
jdbc/sequenceLinkPool: Number pooled connections = 0.
jdbc/sequenceLinkPool: Number free connections = 0.
```

NOTES

¹The Pool Manager creates a connection pool. In this example, the characteristics of the connection pool are shown using the following format:

```
(JNDI_name, DataSource_class, initial_pool_size,
min_pool_size, max_pool_size, user)
```

where:

- *JNDI_name* is the JNDI name used to look up the connection pool (for example, `jdbc/sequenceLinkPool`).
- *DataSource_class* is the `DataSource` class associated with the connection pool (for example `com.ddtek.jdbcx.sequellink.SequelinkDataSource`).
- *initial_pool_size* is the number of physical connections created when the connection pool is initialized (for example, 5).
- *min_pool_size* is the minimum number of physical connections that will be kept open in the connection pool (for example, 5).
- *max_pool_size* is the maximum number of physical connections allowed within a single pool at any one time. When this number is reached, additional connections that would normally be placed in a connection pool are closed (for example, 10).
- *user* is the name of the user establishing the connection (for example, `scott`).

² The Pool Manager checks the pool size. Because the minimum pool size is five connections, the Pool Manager creates new connections to satisfy the minimum pool size.

³ The driver requests a connection from the connection pool. The driver retrieves an available connection.

⁴ The driver requests a connection from the connection pool. Because a connection is unavailable, the Pool Manager creates a new connection for the request.

⁵ A connection is closed by the application and returned to the connection pool.

⁶ The Pool Manager checks the pool size. Because the number of connections in the connection pool is greater than the minimum pool size, five connections, no action is taken by the Pool Manager.

⁷ The Pool Manager checks the pool size. Because the number of connections in the connection pool is greater than the maximum pool size, 10 connections, a connection is closed and discarded from the pool.

⁸ The Pool Manager detects that a connection was idle in the connection pool longer than the maximum idle timeout. The idle connection is closed and discarded from the pool.

⁹ The Pool Manager detects that the number of connections dropped below the limit set by the minimum pool size, five connections. The Pool Manager creates new connections to satisfy the minimum pool size.

¹⁰ The Pool Manager closes one of the connection pools in the pool group. A pool group is a collection of pools created from the same PooledConnectionDataSource call. Different pools are created when different user IDs are used to retrieve connections from the pool. A pool group is created for each user ID that requests a connection. In our example, because only one user ID was used, only one pool group is closed.

¹¹ The Pool Manager closed all the pools in the pool group. The connection pool is closed.

Troubleshooting the .NET Client

The data provider delivers advanced diagnostic capability:

- Ability to trace method calls
- PerfMon counters that let you tune connection information for your application

Tracing Method Calls

Tracing capability can be enabled either through environment variables or the provider-specific SequeLinkTrace class. The data provider traces the input arguments to all of its public method calls, as well as the outputs and returns from those methods (anything that a user could potentially call). Each call contains trace entries for entering and exiting the method.

During debugging, sensitive data can be read, even if it is stored as a private or internal variable and access is limited to the same assembly. To maintain security, trace logs show passwords as five asterisks (*****).

Note, however, that if the Persist Security Info connection string option is set to true, the password will be displayed in clear text. For more information, refer to the connection string information in the *SequeLink Developer's Reference*.

Using Environment Variables

Using environment variables to enable tracing means that you do not have to modify your application. If you change the value of an environment variable, you must restart the application for the new value to take effect.

To enable and control tracing, set the following environment variables:

DDTek_Trace_File	Specifies the path and name of the trace file. The initial default is \SequeLinkTrace.txt.
DDTek_Recreate_Trace	When set to 1, re-creates the trace file each time the application restarts. When set to 0 (the initial default), the trace file is appended.
DDTek_Enable_Trace	When set to 1 or higher, enables tracing. When set to 0 (the initial default), tracing is disabled.

Using Static Methods

Some users may find that using static methods on the data provider's Trace class to be a more convenient way to enable tracing. The following C# code fragment uses static methods on the .NET Trace object to create a SequeLinkTrace class with a trace file named MyTrace.txt. The values set override the values set in

the environmental variables. All subsequent calls to the data provider will be traced to MyTrace.txt.

```
SequeLinkTrace.TraceFile="C:\\MyTrace.txt";
SequeLinkTrace.RecreateTrace = 1;
SequeLinkTrace.EnableTrace = 1;
```

The trace output has the following format:

```
<Correlation#> <Timestamp> <CurrentThreadName>
  <Object Address> <ObjectName.MethodName> ENTER (or EXIT)
    Argument #1 : <Argument#1 Value>
    Argument #2 : <Argument#2 Value>
    ...
RETURN: <Method ReturnValue> // This line only exists for EXIT
```

where:

Correlation# is a unique number that can be used to match up ENTER and EXIT entries for the same method call in an application.

Value is the hash code of an object appropriate to the individual function calls.

PerfMon Support

The Performance Monitor (PerfMon) utility in the Windows operating system allows you to record application parameters and review the results as a report or graph. You can also use Performance Monitor to identify the number and frequency of CLR exceptions in your applications.

The SequeLink *for* .NET data provider installs a set of PerfMon counters that let you tune and debug applications that use the data provider. The data provider's counters are located in the Performance Monitor under a category name, for example, SequeLink .NET Data Provider.

Table 1-1 describes the counters that you can use to tune connections for your application.

Table 1-1. PerfMon Counters

Counter	Description
Current # of Connection Pools	Returns the current number of pools associated with the process.
Current # of Pooled Connections	Returns the current number of connections in all pools associated with the process.
Current # of Pooled and Non-Pooled Connections	Returns the current number of pooled and non-pooled connections.
Peak # of Pooled Connections	Returns the highest number of connections in all connection pools since the process started.
Total # of Failed Connects	Returns the total number of attempts to open a connection that failed for any reason since the process started.
Total # of Failed Commands	Returns the total number of command executions that failed for any reason since the process started.

For information on using PerfMon and performance counters, refer to the Microsoft documentation library.

2 Troubleshooting Tools for the SequeLink® Server

This chapter describes tools that you can use to troubleshoot application and connection problems.

- [“SequeLink® Debug Log Files” on page 44](#) describes the SequeLink debug log files, how to obtain the files, and how to set the debug log file options.
- [“Changing the Debug Log Level for Active Services and Sessions” on page 55](#) describes how to change the debug log level for active services and sessions when a monitoring profile is enabled
- [“Changing the Service Connection Model” on page 59](#) describes how to avoid internal errors generated after the connection model of a service has changed.
- [“Connecting with SequeLink® Server for ODBC Socket” on page 61](#) explains how to identify and troubleshoot connection problems for SequeLink Server for ODBC Socket.
- [“Connecting with SequeLink® Server for JDBC Socket” on page 69](#) explains how to connect to SequeLink Server for JDBC Socket.
- [“Connecting with SequeLink® Server for DB2 on z/OS” on page 80](#) helps you to troubleshoot problems that occur when a transaction branch becomes disassociated from the thread of control on a DB2 database and describes the error messages returned.

SequeLink® Debug Log Files

DataDirect Technologies technical support may ask you to provide a debug log file. SequeLink Server uses the following types of debug log files:

- **Session debug log file** contains information related to all server processing in the context of a client session. See the following section, [“SequeLink® Server Session Debug Log File,”](#) for more information.
- **Service debug log file** contains information related to service-related processing—any kind of processing that occurs *outside* the context of a client session. See [“SequeLink® Service Debug Log File” on page 46](#) for more information.

SequeLink® Server Session Debug Log File

The SequeLink Server Session debug log file contains information related to all processing that occurs in the context of a client session. Each debug log file includes a fixed header that contains installation-specific information.

When you consult DataDirect Technologies technical support, you may be asked for the contents of this log file. The name and location of the SequeLink Server Session debug log file depend on your SequeLink Server platform.

The information that is logged depends on the value set for the `ServiceDebugLogLevel` service attribute. By default, logging is enabled for Fatal Error messages. Enabling additional logging levels uses considerable disk space and slows processing. We recommend that you enable these additional levels only while you are troubleshooting. How you turn on and off the logging option depends on your SequeLink Server platform. See

[“Configuring Logging” on page 49](#) for information about setting debug levels.

Session Debug Log File on Windows



Log File Name:

The log file name is *servicename_sessionid_processid.log* where:

servicename is the name of the SequeLink service.

sessionid is a unique numeric identifier of the session.

processid is the numeric process identifier assigned by the operating system for the SequeLink service process.

Log File Location:

The ServiceDebugLogPath service attribute specifies the location of the file. For more information about specifying SequeLink service attributes, refer to the *SequeLink Administrator's Guide*.

Session Debug Log File on UNIX, Linux, and z/OS USS



Log File Name:

The log file name is *servicename_sessionid_processid.log* where:

servicename is the name of the SequeLink service.

sessionid is a unique numeric identifier of the session.

processid is the numeric process identifier assigned by the operating system for the SequeLink service process.

Log File Location:

The ServiceDebugLogPath service attribute specifies the location of the file. For more information about specifying SequeLink service attributes, refer to the *SequeLink Administrator's Guide*.

Session Debug Log File on z/OS**z/OS Log File Name:**

The log file name is *Servename_Servicename_Tnnnnnnn.log* where:

Servename is the name of the SequeLink Server started task/Job.

Servicename is the name of the SequeLink service running within the server.

nnnnnnn is a unique numeric identifier of the session.

Log File Location:

The Session Debug Log Files are located in UNIX System Services hierarchical file system (HFS). The ServiceDebugLogPath service attribute specifies the HFS directory where the Session Debug log files will be created. For more information about specifying SequeLink service attributes, refer to the *SequeLink Administrator's Guide*.

SequeLink® Service Debug Log File

The service debug log file contains information about processing that occurs outside the context of a client session. Each debug log file includes a fixed header that contains installation-specific information.

When you consult DataDirect Technologies technical support, you may be asked for the contents of this log file. The name and

location of the SequeLink Service debug log file depend on your SequeLink Server platform.

The information that is logged depends on the value set for the `ServiceDebugLogLevel` service attribute. By default, logging is enabled for Fatal Error messages. Enabling additional logging levels uses considerable disk space and slows processing. We recommend that you enable these additional levels only while you are troubleshooting. How you turn on and off the logging option depends on your SequeLink Server platform. See [“Configuring Logging” on page 49](#) for information about setting debug levels.

Service Debug Log File on Windows



On Windows, the operator logging facility is the event log. You can access the event log by clicking the **Event Viewer** icon in the Administrative Tools program group. SequeLink Server logging belongs to the application class, with the service name as the source name.

The service debug log file is an operating system file called *servicename_processid.log* where:

servicename is the name of the SequeLink service.

processid is the numeric process identifier assigned by the operating system for the SequeLink service process.

You can choose the messages that you want to view in the event log by using the Filter menu option.

NOTE: You may need to refresh the Event window to receive the latest logging information.

Service Debug Log File on UNIX and Linux



The ServiceDebugLogPath service attribute specifies the location of the service debug log file. The service debug log file is an operating system file called *servicename_processid.log* where:

servicename is the name of the SequeLink service.

processid is the numeric process identifier assigned by the operating system for the SequeLink service process.

Messages are sent to the syslogid infrastructure. By default, the messages are sent as USER type messages; however, you can change the message type by setting the ServiceUnixSyslogFacility service attribute. For more information about specifying SequeLink service attributes, refer to the *SequeLink Administrator's Guide*.

Service Debug Log File on z/OS

z/OS The Service Debug log file on z/OS records all log messages. See [Chapter 7 “z/OS Messages and Descriptions” on page 249](#) for an explanation of these messages.

By default, the log file is allocated to DD statement VAILOGP or VAILOGS. We recommend that you allocate the log file to a SYSOUT dataset. This allows you to view all messages online using the z/OS System Display and Search Facility (SDSF).

- 1 Use the SDSF option DA to display a list of the active jobs. Select the SequeLink job using a question mark command and press ENTER. For example:

NP	JOBNAME	STEPNAME	PROCSTEP	JOBID	OWNER
	GN00002H	DUMP		JOB08358	GN00002
?	GN00002O	SQLNK		JOB08359	GN00002
	GN00002	LOGISPF4	FBBS080I	TSU08354	GN00002

- 2 Select the VAILOGP (primary) or VAILOGS (secondary) log file and press ENTER. The following example shows choosing the VAILOGP log file:

NP	DDNAME	STEPNAME	PROCSTEP	DSID	OWNER
	JESMSGLG	JES2		2	GN00002
	JESJCL	JES2		3	GN00002
	JESYSMSG	JES2		4	GN00002
s	VAILOGP	SQLNK		104	GN00002
	SYS00001	SQLNK		106	GN00002

You will now see all SequeLink messages.

- 3 In some special cases, SAS/C runtime library routines write error information into SYSTERM. See [Chapter 8 “SAS/C Runtime Library Messages” on page 319](#) for information on those messages. Select the SYSTERM log file and press ENTER. For example:

NP	DDNAME	STEPNAME	PROCSTEP	DSID	OWNER
	JESMSGLG	JES2		2	GN00002
	JESJCL	JES2		3	GN00002
	JESYSMSG	JES2		4	GN00002
	VAILOGP	SQLNK		104	GN00002
S	SYSTEM	SQLNK		106	GN00002

Use the SDSF option LOG to view the system log when you want to view messages—for example, DB2 messages related to SequeLink.

Configuring Logging

You configure logging by using the SequeLink Manager to change the ServiceDebugLogLevel service attribute. Depending on the level of logging you set, the log file can contain any of the following types of messages:

- Fatal Errors
- Errors

- Warnings
- Information
- Debug
- SSP Packet log (SequeLink Server Protocol packets in binary format)
- SSP requests (decoded SSP packets)

By default, the logging is enabled for Fatal Error messages.

All Error and Fatal Error messages (for example, an invalid license key encountered message) are logged in a system-wide, platform-specific log facility:



- **On Windows**, use the Event Viewer and look for messages in the Application Log where the Source is either SequeLink or the name of the service.



- **On UNIX and Linux**, messages are sent to the UNIX or Linux syslog service. The messages will be sent by default as USER type messages (the ServiceUnixSyslogFacility service attribute can be used to change the default message type). The SequeLink administrator can edit the syslog.conf file to configure the actual destination of these messages. Refer to your UNIX or Linux documentation for more information.

z/OS

- **On z/OS**, the SequeLink Server log files, VAILOGP and VAILOGS, are used to log all messages. In addition to the service messages, the SequeLink Server log contains all messages from other components, such as the TCP/IP listener and the DB2 interface. Messages are sent first to VAILOGP, the primary log. When the primary log is almost full, SequeLink Server sends a message to the operator's console to alert you to switch to the secondary log file, VAILOGS.

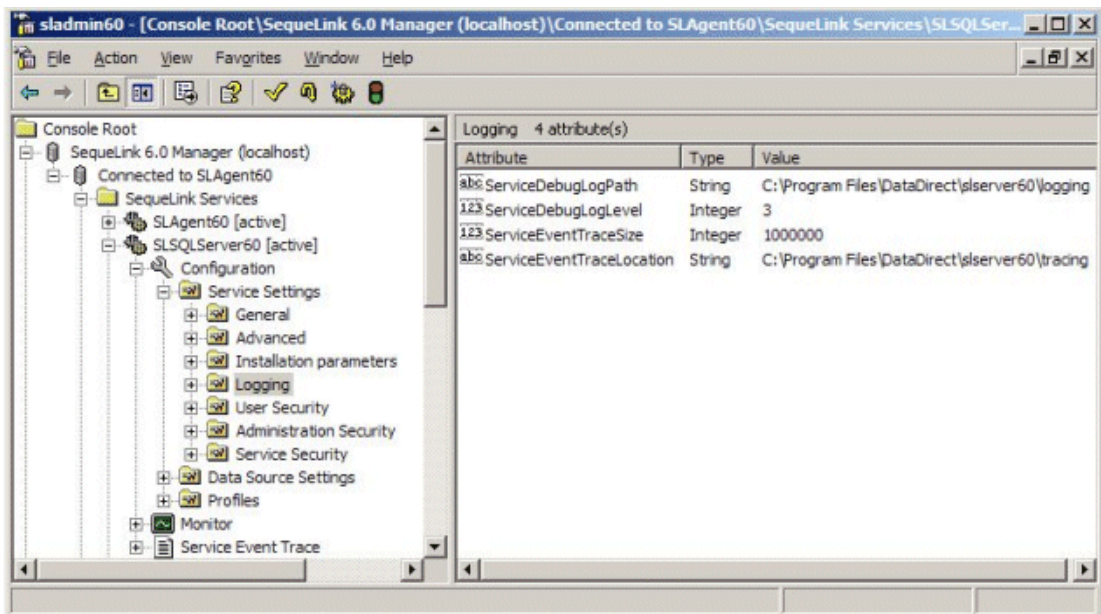
Configuring Logging Using the SequeLink® Manager Snap-in



For information about using the SequeLink Manager Snap-in, refer to the *SequeLink Administrator's Guide*.

To configure logging:

- 1 Select the service for which you want to obtain a log file.
- 2 Select the **Configuration** node.
- 3 Select the **Service Settings** node.
- 4 Select the **Logging** attribute category.



- 5 Change the properties for the ServiceDebugLogLevel service attribute. Selecting all check boxes on the ServiceDebugLogLevel Properties window will log all possible debug information.

6 Save the configuration file.

The change will take effect for all subsequent connections.

Configuring Logging Using the SequeLink® Manager Command-Line Tool



Use the SequeLink Manager Command-Line Tool command `ServiceDebugLogLevel`, which has the format:

```
{ServiceDebugLogLevel | sdll} service_name
[ [{dis | disable}]
[{enall | enableall}]
[{en | enable}]
[{{ferr | fatalerror}={off | on}} |
[{err | errors=off | on}} |
[{war | warnings}={off | on}} |
[{info | informationals}={off | on}} |
[{debug | debugging}={off | on}} |
[{sspp | ssppackets}={off | on}} |
[{sspr | ssprequests}={off | on}} | ... ]
```

where *service_name* is the service to which the session belongs. Service names can be obtained using the `ServiceList | sl` command.

The following example turns on debug messages and turns off error messages in the debug log file for the SLOracle10 data access service:

```
sdll SLOracle10 debug=on err=off
```

The change will take effect for all subsequent connections. For information about using the SequeLink Manager Command-Line Tool, refer to the *SequeLink Administrator's Guide*.

Configuring Logging Using the SequeLink® Manager for z/OS

z/OS For information about using the SequeLink Manager for z/OS, refer to the *SequeLink Administrator's Guide*.

- 1 From the server management tree, type / beside the Service Settings node of the SequeLink service for which you want to obtain a log file. The server management tree shows the attribute categories for the service.
- 2 Type S beside the Logging attribute category to select it; then, press ENTER. The AttributeList panel appears.

```

DataDirect SequeLink Manager for z/OS - AttributeList
Row 1 to 3 of 3
Dialog canceled.                                MORE >>>

Service MVSDB2
Enter the 'ADD'-command to add an attribute or
perform one of the actions below on a specific attribute
o (S)elect    o (C)hange    o (D)elele    o (?)Help

Name                                     Value
-----
ServiceDebugLogLevel                     1
ServiceDebugLogPath                      /tmp
ServiceEventTraceSize                    1000000
***** Bottom of data *****

COMMAND ==>                                SCROLL > PAGE

```

NOTES:

- Your screen may not be able to display all attributes at once. Press F7 and F8 to scroll up and down the attribute list.
- To display help about an attribute, type ? beside the attribute; then, press ENTER.

- 3 Type **C** beside the **ServiceDebugLogLevel** attribute; then, press **ENTER**. The **Attribute Display** window appears.

```

DataDirect SequeLink Manager for z/OS
Row 1 to 7 of 7

ServiceDebugLogLevel
Bitmask currently in effect:

Use (S) or (/) to select bits to set.

Bit description
-----
/ Fatal
Errors
Warnings
Informational
Debug
SSP Packet Log
SSP Requests
COMMAND ==>          SCROLL > PAGE

```

- 4 Type **/** beside one or multiple log options; then, press **ENTER**. You are returned to the **AttributeList** panel, and the attribute value, if valid, is changed.
 - 5 Press **F3** to return to the server management tree.
- The change will take effect for all subsequent connections.

Changing the Debug Log Level for Active Services and Sessions



You can change the debug log level for active services and sessions when a monitoring profile is enabled:

- **If you change the debug log level for an active service**, the change becomes effective immediately, but reverts to its original setting when the service is next restarted.
- **If you change the debug log level for an active session**, the change becomes effective immediately, but expires when the session ends.

Changing the Debug Log Level for an Active Service

When a monitoring profile is enabled, you can change the debug log level for an active service. The change is effective immediately, but reverts to its original setting when the service is next restarted.

Changing the Debug Log Level for an Active Service Using the SequeLink® Manager Snap-in



- 1 Using the SequeLink Manager Snap-in, right-click the service for which you want to change the debug log level, and select **Properties**.
- 2 Click the **Debug Log Level** tab, and change the debug log level by selecting one or multiple check boxes.

For more information about using the SequeLink Manager Snap-in, refer to the *SequeLink Administrator's Guide*.

Changing the Debug Log Level for An Active Service Using the SequeLink® Manager Command-Line Tool

Use the SequeLink Manager command `ServiceActiveDebugLogLevel`, which has the format:

```
{ServiceActiveDebugLogLevel | sadll} service_name
[ [{dis | disable}]
[{enall | enableall}]
[{en | enable}]
[{ferr | fatalerror}={off | on}] |
[{err | errors=off | on}] |
[{war | warnings}={off | on}] |
[{info | informationals}={off | on}] |
[{debug | debugging}={off | on}] |
[{sspp | ssppackets}={off | on}] |
[{sspr | ssprequests}={off | on}] | ... ]
```

where `service_name` is the active service for which you want to display or change debug log levels. Service names can be obtained using the `ServiceList | sl` command.

The following example turns on debug messages and turns off error messages in the debug log for the SLOracle10 data access service:

```
sadll SLOracle10 debug=on err=off
```

For more information about using the SequeLink Manager Command-Line Tool, refer to the *SequeLink Administrator's Guide*.

Changing the Debug Log Level for an Active Session

When a monitoring profile is enabled, you can change the debug log level for an active session. The change is effective immediately, but expires when the session ends.

Changing the Debug Log Level for an Active Session Using the SequeLink® Manager Snap-in



- 1 Using the SequeLink Manager Snap-in, select the service that owns the session for which you want to change the debug log level.
- 2 Select the **Monitor** node.
- 3 Select the **Active Sessions** node.
- 4 Right-click the session for which you want to change the debug log level, and select **Properties**.
- 5 Click the **Debug Log Level** tab, and change the debug trace level by selecting one or multiple check boxes.

For more information about using the SequeLink Manager Snap-in, refer to the *SequeLink Administrator's Guide*.

Changing the Debug Log Level for an Active Session Using the SequeLink® Manager Command-Line Tool



Use the SequeLink Manager command `ServiceDebugLogLevel`, which has the format:

```
{SessionDebugLogLevel | sesdll} service_name
[ [{dis | disable}]
[{enall | enableall}]
[{en | enable}]
[{ferr | fatalerror}={off | on}] |
[{err | errors}={off | on}] |
[{war | warnings}={off | on}] |
[{info | informationals}={off | on}] |
[{debug | debugging}={off | on}] |
[{sspp | ssppackets}={off | on}] |
[{sspr | ssprequests}={off | on}] | ... ]
```

where `service_name` is the service to which the session belongs. Service names can be obtained using the `ServiceList | sl` command.

Example A: The following example displays the current settings of the debug log for session 5 of the SLOracle10 data access service:

```
sesdll SLOracle10 5
```

Example B: The following example turns on debug messages and turns off error messages in the debug log for session 5 of the SLOracle10 data access service:

```
sesdll SLOracle10 5 debug=on err=off
```

NOTE: The `SessionDebugLogLevel` command is not applicable to SequeLink services on UNIX or z/OS.

For more information about using the SequeLink Manager Command-Line Tool, refer to the *SequeLink Administrator's Guide*.

Changing the Service Connection Model

When you use the `ServiceConnectionModel` attribute to change the connection model for a service, the SequeLink service sometimes reports multiple internal errors. When you examine the SequeLink packet log, you see the following messages:

```
Wed May 16 10:39:45 2007:Internal error, error detected in the event
processor.
Wed May 16 10:39:45 2007:SequeLink Common
Library.SWANDM_Entity_FindFirstKeyValue.3820().21.The specified attribute
does not exist.
Wed May 16 10:39:45 2007:SequeLink Common
Library.SWANDM_Entity_FindFirstKeyValue.3820().21.The specified attribute
does not exist.
...
Wed May 16 10:39:45 2007:Internal error, error detected in the event
processor.
Wed May 16 10:39:45 2007:Internal error, error detected in the event
processor.
...
```

To avoid internal errors when changing the connection model, perform the following steps:

- 1 Make sure the services have the `ServiceConnectionModel` attribute set to the value you want.
- 2 Delete both the Monitoring profile and Event trace profile of the services that have changed.
- 3 Create new Monitoring and Event trace profiles.
- 4 Stop all SequeLink services.

- 5 Stop the Agent.
- 6 Restart the Agent.
- 7 Restart all SequeLink services.

Defining a Server ODBC Trace for the Backend Driver

DataDirect Technologies technical support may ask you to provide the Server ODBC trace for the backend driver.

To define the log path for all ODBC calls executed by the SequeLink service, set the service attribute for your SequeLink Server, listed in [Table 2-1](#), to a valid path for a log file.

Refer to the *SequeLink Administrator’s Guide* for a description about the service attributes.

Table 2-1. Defining a Server Trace for the Backend Driver

SequeLink Server	Service Attribute
DB2 UDB on Linux, UNIX, and Windows	DataSourceDB2LogPath
Microsoft SQL Server	DataSourceMSSLogPath
JDBC Socket	DataSourceSOCJDBCLogPath
ODBC Socket	DataSourceSOCODBCLogPath
Sybase	DataSourceSybLogPath

Troubleshooting Your Database

This section provides troubleshooting information specific to the following SequeLink Servers:

- [“Connecting with SequeLink® Server for ODBC Socket” on page 61](#)
- [“Connecting with SequeLink® Server for JDBC Socket” on page 69](#)
- [“Connecting with SequeLink® Server for DB2 on z/OS” on page 80](#)

Connecting with SequeLink® Server for ODBC Socket

The SequeLink Server for ODBC Socket is a service that provides data access to any database that is accessible through an ODBC 2.0- or 3.0-compliant driver. Because SequeLink accesses the database by using the driver manager and the ODBC driver, this makes SequeLink Server for ODBC Socket highly dependant on the quality and behavior of the ODBC driver through which it connects. Because most drivers have their own specific behaviors, and the ODBC specification leaves room for individual interpretation, using a specific driver with SequeLink can show unexpected behavior.

This section summarizes the results that DataDirect Technologies found when testing connections with SequeLink Server for ODBC Socket to ODBC drivers. This section also describes how to determine which component is causing the problems that can occur when you are using SequeLink Server for ODBC Socket.

Using SequeLink® Server for ODBC Socket

- 1 Configure an ODBC system data source for an ODBC 2.0 or higher driver (refer to the documentation for the driver for instructions on configuring and testing the connection to the data store).
- 2 If the driver did not come with a Driver Manager, install a Driver Manager (refer to the *SequeLink Installation Guide* for a description of the required Driver Manager).
- 3 Install the SequeLink Client.



- 4 On Windows: Install SequeLink Server for ODBC Socket. When prompted, supply the connection string for the data source that you created in [Step 1](#). The connection string must have the format: `DSN=odbc_system_data_source`.



On UNIX and Linux: Install SequeLink Server for ODBC Socket. When prompted, supply the connection string for the data source that you created in [Step 1](#) and the name of the library that contains the driver. Depending on the ODBC driver used, you might be prompted to set additional environment variables. For more information, refer to the *SequeLink Installation Guide*.

- 5 Test your SequeLink environment by establishing a connection between the SequeLink Client and the SequeLink Server.

If you installed the ODBC Client or JDBC Client, you are ready to use the SequeLink Server for ODBC Socket.

If you installed ADO Client, continue to [Step 6](#).

- 6 Define values for the `DataSourceProviderTypesFile` and `DataSourceProviderTypesSection` service attributes. Refer to the *SequeLink Installation Guide* for more information.

Using the ODBC Socket Service with DataDirect Connect® for ODBC Drivers

If you are using the SequeLink Server for ODBC Socket service with a DataDirect Connect *for* ODBC driver, your application can experience problems when it re-binds parameters with a different scale, precision, or sqltype. The following is an example of an error message that is generated when this situation occurs:

```
[DataDirect][ODBC Oracle driver]Data type for parameter 2
has changed since first SQLExecute call.
```

To avoid this problem, you can activate a workaround in the DataDirect Connect *for* ODBC driver. For more information about workarounds for the DataDirect Connect *for* ODBC driver, refer to the DataDirect *Connect for ODBC Reference* and README file.

NOTE: The SequeLink *for* ODBC Socket Server incurs a performance penalty when setting this workaround, so use this workaround only for those applications that need it.

The workaround can be activated using either of the following methods:

- By changing the data source definition
- By changing the value of the SequeLink DataSourceSOCODBCConnStr service attribute

Changing the Data Source Definition

When you enable the workaround in the data source definition, all connections that use the data source have the workaround activated, even if the connection request does not come from SequeLink Server for ODBC Socket. For more information about using ODBC connection strings in the data source definition, refer to the *SequeLink Developer's Reference*.



On UNIX: Edit your ODBC.INI or ODBC64.INI file to add the following key and value to the ODBC Data source section:

```
WorkArounds=536870912
```



On Windows: Edit the ODBC.INI section of your registry to add the following key and value to the ODBC Data source section:

```
WorkArounds=536870912
```

Changing the SequeLink Connection String

SequeLink Server for ODBC Socket uses a connection string to initiate a connection to an ODBC driver. You can change this connection string in the DataSourceSOCODBCConnStr service attribute, using the appropriate SequeLink administration tool for your platform. (For information about service attributes and SequeLink administration tools, refer to the *SequeLink Administrator's Guide*.)

The following is an example of a connection string that enables the workaround for a specific data source:

```
DSN='Employees'; WorkArounds=536870912
```

In this example, only the SequeLink connections that specify the data source `Employees` have the workaround activated. By using multiple SequeLink data sources, you can control which SequeLink connections use the workaround.

Using the ODBC Socket Service with a Third-Party Driver

SequeLink Server for ODBC Socket requires a properly configured third-party ODBC driver. The ODBC driver must work correctly with the DataDirect Technologies ODBC Driver Manager and implement the ODBC functions listed in [Table 2-2](#).

Table 2-2. Required ODBC Function Support for the Third-Party ODBC Driver

SQLAllocHandle	SQLFetch	SQLParamData
SQLBindCol	SQLFetchScroll (optional)	SQLPrepare
SQLBindParameter	SQLForeignKeys	SQLPrimaryKeys
SQLBulkOperations	SQLFreeHandle	SQLProcedureColumns
SQLCancel	SQLFreeStmt	SQLProcedures
SQLColAttribute	SQLGetConnectAttr	SQLPutData
SQLColumnPrivileges	SQLGetData	SQLRowCount
SQLColumns	SQLGetDiagRec	SQLSetConnectAttr
SQLDescribeParam (optional)	SQLGetFunctions	SQLSetEnvAttr
SQLDisconnect	SQLGetInfo	SQLSetStmtAttr
SQLDriverConnect	SQLGetTypeInfo	SQLSpecialColumns
SQLEndTran	SQLMoreResults	SQLStatistics
SQLExecDirect	SQLNumParams	SQLTablePrivileges
SQLExecute	SQLNumResultCols	SQLTables

Using the ODBC Socket Service with IBM DB2 Driver

When you use SequeLink Server for ODBC Socket with the IBM DB2 driver, you must specify the name of the database that will be accessed through the connection. The name of the database is passed using the DBALIAS keyword.

To connect successfully to a DB2 database using SequeLink Server for ODBC Socket, you must specify a data source name and a database in the DataSourceSOCODBCConnStr service attribute, as shown in the following example:

```
DSN='Employees';DBALIAS='HumanResources'
```

Only one database can be specified for each SequeLink data source. To access multiple databases, you must create one SequeLink data source for each database.

Analyzing Problems in the Service for ODBC Socket

This section explains how to investigate problems or unexpected behavior when using SequeLink Server for ODBC Socket.

It is important to realize that the problem or unexpected behavior could be caused by either SequeLink Server for ODBC Socket or a third-party ODBC driver. Identifying which component is generating the problem is key to solving it.

Identifying Connection Problems

It is important to know the connection string used on a SQLDriverConnect call by SequeLink to initiate the connection to the ODBC driver. When experiencing problems with establishing a connection, examine the connection string configured in DatasourceSOCODBCConnStr service attribute and check whether it is a valid connection string. Refer to the *SequeLink Administrator's Guide* for information about the DatasourceSOCODBCConnStr service attribute.

Testing the ODBC Driver

You can test the backend ODBC driver with the ivcheckodbc utility that is packaged with SequeLink Server for ODBC Socket. The utility is located in the installation directory:

- Windows: `<install_dir>/tools/ivcheckodbc.bat`
- UNIX and Linux: `<install_dir>/tools/ivcheckodbc.sh`

This script exports the environment variables needed for searching the shared libraries. On UNIX or Linux, the environment variable name depends on the UNIX system, for example, LD_LIBRARY_PATH on Solaris, and ODBCINI, which specifies the path of the UNIX ODBC configuration file.

If the script runs successfully, you can use the information that is returned to configure your SequeLink Server for ODBC Socket.

Refer to the *SequeLink Administrator's Guide* for more information on using the `ivcheckodbc` utility with SequeLink Server for ODBC Socket.

On Windows, you can test this connection string using ODBCtest (see [“Troubleshooting the ODBC Client” on page 19](#) for information about ODBCtest). Once you have validated the connection string, SequeLink Server for ODBC Socket should be able to use it to connect successfully to the database.

Identifying the Source of the Problem

To check which component is the source of the problem:

- **Use the ODBC driver directly.** Use the connection string configured in the `DataSourceSOCODBCConnStr` service attribute to initiate a direct connection to the ODBC driver. You can use ODBCtest on Windows or example on UNIX or Linux to run the same operations that gave you the problem.
- **Use a different ODBC driver to see if the same error occurs.** Try using another ODBC driver with SequeLink Server for ODBC Socket and see whether the problem still occurs.
- **Use ODBC Tracing to investigate problems.** SequeLink Server for ODBC Socket complies with the ODBC specification. This means that you can use standard tools, such as ODBC Tracing, to analyze and investigate problems or unexpected behavior. See [“Enabling ODBC Tracing on the ODBC Client” on page 20](#) for information about enabling tracing for the driver.

ODBC tracing for the SequeLink backend ODBC driver can be enabled with the `DataSourceMSSODBCLogPath` attribute. For more information, refer to the *SequeLink Administrator's Guide*.

Using ODBC Tracing for the Backend ODBC Driver

ODBC tracing allows you to trace calls to ODBC drivers and create a log of the traces. Creating a trace log is particularly useful when you are troubleshooting an issue.

To define the log path for all ODBC calls executed by the SequeLink service, set the DataSourceSOCODBCLogPath service attribute. Refer to [“DataSourceSOCODBCLogPath,”](#) in the *SequeLink Administrator’s Guide*.

Reporting a Problem

DataDirect Technologies technical support may ask you to provide a debug log file. SequeLink Server uses the following types of debug log files:

- **Session debug log file** contains information related to all server processing in the context of a client session. See [“SequeLink® Server Session Debug Log File” on page 44](#) for more information.
- **Service debug log file** contains information related to service-related processing—any kind of processing that occurs *outside* the context of a client session. See [“SequeLink® Service Debug Log File” on page 46](#) for more information.
- **Server ODBC trace of the backend driver.** See [“Defining a Server ODBC Trace for the Backend Driver” on page 60](#) for more information.

Connecting with SequeLink® Server for JDBC Socket

Using SequeLink Server for JDBC Socket and a JDBC driver on the server, you can access any databases that are accessible through a JDBC 2.0- or 3.0-compliant driver. Because SequeLink accesses the database by using the JDBC driver, this makes SequeLink Server for JDBC Socket highly dependant on the quality and behavior of the JDBC driver through which it connects.

This section describes how to determine which component is causing the problems that can occur when you are using SequeLink Server for JDBC Socket.

Using SequeLink® Server for JDBC Socket

- 1 On the SequeLink Server, create a JDBC Socket service. Create a SequeLink Server-side data source which specifies the driver name and the connection URL of the backend JDBC driver.

NOTE: When you install SequeLink Server for JDBC Socket, this configuration is done automatically.

- 2 Install the SequeLink Client.
- 3 Install SequeLink Server for JDBC Socket.

- 4 Modify the SequeLink service environment variables. The following table shows examples of environment variable values:

Environment Variable	Description
<LIBPATH> where <LIBPATH> is: LIBPATH on AIX and z/OS USS LD_LIBRARY_PATH on Solaris and Linux SHLIB_PATH on HP-UX PATH on Windows	Shared library path for the ODBC-to-JDBC bridge and the Java Virtual Machine For example: PATH=D:\Programs\java\j2sdk1.4.2_05\jre\bin\server;D:\Programs\java\j2sdk1.4.2_05\jre\bin;
CLASSPATH	Classpath containing all JDBC drivers that need to be accessed by the SequeLink Server for JDBC Socket and the classes for the SequeLink for JDBC Socket service For example: CLASSPATH= D:\Programs\DataDirect\slserver60\dev\; D:\Programs\3party\jdbcdriver\driver.jar
ISLVINI	Directory for the license ini file (UNIX only; does not apply on z/OS UNIX System Services) For example: ISLVINI=/usr/sl60/server/ipe
ODBCINI	File with the ODBC configuration information for the ODBC-to-JDBC bridge For example: ODBCINI=/usr/sl60/server/bin/odbc/odbc.ini
SL_JAVA_OPTIONS	Options to influence the Java Virtual Machine used by the backend JDBC driver For example: SL_JAVA_OPTIONS=Xms32m-Xmx64m-Ccomp-verbose

- 5 Restart the SequeLink server.
- 6 Modify the SequeLink server data source attributes:
 - DataSourceSOCJDBCConnectionURL. Specify the connection URL.
 - DataSourceSOCJDBCDriverClassName. Specify the driver class name.
 - DataSourceSOCJDBCPropertiesName. Specify the database properties name.

Refer to the *SequeLink Administrator's Guide* for information about using service attributes.

- 7 On the SequeLink Client, create a SequeLink data source.
 - When connecting through the JDBC, .NET, or ODBC Client, no additional configuration tasks are needed.
 - If you are connecting to SequeLink Server for JDBC Socket through an ADO Client, you must perform additional configuration tasks, as described in the section, "Completing the ODBC Socket Installation for SequeLink for ADO" in the *SequeLink Installation Guide*. These steps are the same for SequeLink Server for JDBC Socket as they are for the ODBC Socket.

Diagnosing Problems With Backend DataDirect Spy™ Logs

DataDirect Spy is a development software component that allows you to track JDBC calls.

DataDirect Spy is a software component for tracking JDBC calls at runtime. It passes calls issued by an application to an underlying JDBC driver and logs detailed information about those calls.

DataDirect Spy provides the following advantages:

- Logging is JDBC 3.0-compliant, including support for the JDBC 2.0 Optional Package.
- Logging is consistent, regardless of the JDBC driver used.
- All parameters and function results for JDBC calls can be logged.
- Logging can be enabled without changing the application.
- DataDirect Spy can only be used with the SequeLink *for* JDBC Driver and the DataDirect Connect® *for* JDBC drivers.

When you enable DataDirect Spy for a connection, you can customize DataDirect Spy logging for your needs by setting one or multiple options for DataDirect Spy. For example, you may want to direct logging to a local file on your machine.

To set up a DataDirect Spy log with the SequeLink Server for JDBC Socket, add the key-value pair `spy_log=Spy log specification` to the `DataSourceSOCJDBCConnectionURL` to include the DataDirect Spy driver as follows:

```
DataSourceSOCJDBCConnectionURL=DataSourceSOCJDBCConURL;spy_log=(file)filename
```

For example:

```
DataSourceConnectionURL=
jdbc:dd-crossaccess30:EXIMS:tcp/10.30.14.109/9001:CODEPAGE=USS};
spy_log=(file)/tmp/spy.log
```


Other DataDirect Spy options can be specified by adding key-value pairs in which the original Spy-option name is prefixed with `spy_`. For example:

```
DataSourceConnectionURL=
jdbc:dd-crossaccess30:EXIMS:tcp/10.30.14.109/9001:CODEPAGE=USS;
spy_log= (file)/tmp/spy.log;spy_timestamp=yes
```

Using the JDBC Socket Service with the Apache Derby Driver

When you use SequeLink Server for JDBC Socket with the Apache Derby driver, you must specify the classpath and required options for the Apache Derby driver in the SequeLink Service Environment variables. For example:

```
CLASSPATH=C:\Program Files\IBM\Derby\lib\db2jcc.jar;C:\Program
Files\DataDirect\slserver60\bin\classes
SL_JAVA_OPTIONS=-Dderby.system.home=C:\derby\dbsales
```

In the data source settings, specify the classpath, the connection URL, the driver name, and the database properties name that will be accessed through the connection.

```
DataSourceSOCJDBCConnectionURL "jdbc:dd-derby10:dbsales;"
DataSourceSOCJDBCDriverClassName = com.ddtek.jdbc.derby10.DerbyDriver
DataSourceSOCJBCDbPropertiesName = derby
```

Save your settings and stop the server. Then, restart the server.

Analyzing JDBC Socket Service Problems

This section explains how to investigate problems or unexpected behavior when using SequeLink Server for JDBC Socket.

Remember that the problem or unexpected behavior could be caused by either SequeLink Server for JDBC Socket or a third-party JDBC driver. Identifying which component is generating the problem is key to solving it.

Identifying Connection Problems

It is important to know the connection information used on a call by SequeLink to initiate the connection to the JDBC driver. When experiencing problems with establishing a connection, examine the values of the following service attributes:

- **DatasourceSOCJDBCConnectionURL.** Check the connection URL.
- **DataSourceSOCJBCDriverClassName.** Check the Driver Class Name.
- **DataSourceSOCJBCDbPropertiesName.** Check the properties name.

In addition, examine the values defined for the LIBPATH and CLASSPATH environment variables.

Once you have validated the connection URL and service attributes, SequeLink Server for JDBC Socket should be able to use it to connect successfully to the database.

Identifying the Source of the Problem

To check which component is the source of the problem:

- **Use the JDBC driver directly.** Use the connection URL configured in the DataSourceSOCJDBCConnectionURL service attribute to initiate a direct connection to the JDBC driver.
- **Use a different JDBC driver to see if the same error occurs.** Try using another JDBC driver with SequeLink Server for JDBC Socket and see whether the problem still occurs.
- **Use JDBC Tracing with DataDirect Spy to investigate problems.** SequeLink Server for JDBC Socket comes with the DataDirect Spy tool. You can use this tool to analyze and investigate problems or unexpected behavior. See [“DataDirect Spy™” on page 30](#) for more information.

Checking the Third-Party Driver Environment

The SequeLink administrator can check the third-party JDBC driver environment that will be used behind the SequeLink Server for JDBC Socket using the `ivcheckjdbcdriver` utility.

The `ivcheckjdbcdriver` utility is included in the installation package:

- **Windows:** The bat script `ivcheckjdbcdriver.bat` is located in the directory where the installer resides.
- **UNIX:** After the untar of the install package, the shell script `ivcheckjdbcdriver.sh` is located in the directory where the installer resides.

Use this utility before configuring the SequeLink Server for JDBC Socket. You must enter the following configuration information:

- The JRE installation directory
- The JDBC Driver classpath
- The driver classname
- The connection URL of your backend JDBC driver

When the `ivcheckjdbcdriver` script has verified these settings and successfully made a connection, use these settings for the configuration of your SequeLink Server for JDBC Socket. Read the note for specific driver issues.



Example on UNIX:

```
# ./ivcheckjdbcdriver.sh
```

Enter the full path of the directory where the Java Runtime Environment (JRE) is installed

```
/usr/java/jdk1.5.0_02/jre
```

your JRE installation directory '/usr/java/jdk1.5.0_02/jre' is validated.

Enter the CLASSPATH for the back-end JDBC drivers you want to use

```
/sqlnkdev/releases/ext_remote/JDBCDriversForSocket/07/Drivers.jar
```

```

Enter the driver classname : com.ddtek.jdbc.sequelink.SequeLinkDriver
Enter the connection url : jdbc:sequelink://prodsales:15233;serverDataSource=
salesdb
Enter the user name : sales1
Enter the password : *****

```

Driver class was found

```

The following drivers are loaded:
com.ddtek.jdbc.sequelink.SequeLinkDriver

```

connected

```

DatabaseMetaData.getUserName() = sales1
DatabaseMetaData.getDriverVersion() = 6.0.0056
DatabaseMetaData.getDatabaseProductName() = DB2/NT
Connection.getCatalog() = null

```

Successfully verified:

```

Driver classname: com.ddtek.jdbc.sequelink.SequeLinkDriver
Connection url: jdbc:sequelink://prodsales:15233;serverDataSource=salesdb
JRE installation directory : /usr/java/jdk1.5.0_02/jre
JDBC Driver CLASSPATH      :
/sqlnkdev/releases/ext_remote/JDBCDriversForSocket/07/Drivers.jar
=====

```

Important note:

```

=====
This utility has checked your third-party JDBC driver. For some drivers,
SequeLink provides a wrapper driver with its own Driver name and Connection
url. This wrapper driver fixes incorrect JDBC behavior, provides workarounds
for driver deficiencies and optimizes code paths.
For the following third-party drivers we strongly advise using these
wrappers:

```

```

-----
WebSphere Information Integrator Classic Federation for z/OS
(also known as CrossAccess or DB2 II Classic Federation)
-----

```

```

Driver name: com.ddtek.jdbc.crossaccess30.CrossAccessDriver
Connection url: jdbc:dd-crossaccess30:<datasource>:tcp/<host>/<port>

```

```
-----
Apache Derby 10
(also known as Cloudscape)
-----
```

```
Driver name: com.ddtek.jdbc.derby10.DerbyDriver
Connection url: jdbc:dd-derby10
```

end of note

Example on z/OS USS

```
# ./ivcheckjdbcdriver.sh
```

Enter the full path of the directory where the Java Runtime Environment(JRE) is installed

```
/usr/lpp/java14/J1.4
```

your JRE installation directory '/usr/lpp/java14/J1.4' is validated.

Enter the CLASSPATH for the back-end JDBC drivers you want to use

```
/sqlnkdev/releases/ext/JDBCDriversForSocket/07/Drivers.jar
```

Enter the driver classname : com.cac.jdbc.Driver

Enter the connection url : jdbc:cac:EXIMS:tcp/10.30.14.109/9001:CODEPAGE=USS

Enter the user name : sales1

Enter the password : *****

Driver class was found

The following drivers are loaded:

```
com.cac.jdbc.Driver
```

connected

```
DatabaseMetaData.getUserName() = sales1
```

```
DatabaseMetaData.getDriverVersion() = 2.2
```

```
DatabaseMetaData.getDatabaseProductName() = XDI Databases
```

```
Connection.getCatalog() = null
```

Succesfully verified:

```
Driver classname: com.cac.jdbc.Driver
```

```
Connection url: jdbc:cac:EXIMS:tcp/10.30.14.109/9001:CODEPAGE=USS
```

```
JRE installation directory : /usr/lpp/java14/J1.4
JDBC Driver CLASSPATH      :
/sqlnkdev/releases/ext/JDBCDriversForSocket/07/Drivers.jar
```

```
=====
Important note:
```

```
=====
This utility has checked your third-party JDBC driver. For some drivers,
SequeLink provides a wrapper driver with it's own Driver name and Connection
url. This wrapper driver fixes incorrect JDBC behavior, provides workarounds
for driver deficiencies and optimizes code paths.
For the following third-party drivers we strongly advise to use these
wrappers:
```

```
-----
WebSphere Information Integrator Classic Federation for z/OS
(also known as CrossAccess or DB2 II Classic Federation)
```

```
-----
Driver name: com.ddtek.jdbc.crossaccess30.CrossAccessDriver
Connection url:
jdbc:dd-crossaccess30:<datasource>:tcp/<host>/<port>:CODEPAGE=USS
```

```
-----
Apache Derby 10
(also known as Cloudscape)
```

```
-----
Driver name: com.ddtek.jdbc.derby10.DerbyDriver
Connection url: jdbc:dd-derby10
end of note
```

Checking the Third-Party JDBC Driver

If configuration problems occur, the SequeLink administrator can use the `ivcheckjdbcdriver` utility, as described in [“Checking the Third-Party Driver Environment” on page 75](#). This utility checks the third-party JDBC driver as if it had been called from the SequeLink Server for JDBC Socket.

To use the `ivcheckjdbc` utility to test the Driver classname and the Connection URL that you want to use, do the following:

- 1 Set the path environment variable for your specific platform.
- 2 Set the classpath environment variable.
- 3 Run the script. When prompted, enter the Driver classname and the Connection URL.

If this script runs successfully, you can use the returned Driver classname and the Connection URL for configuring your Sequelink Server for JDBC Socket.

Example:

```
#./ivcheckjdbc.sh
```

```
Enter the driver classname : com.ddtek.jdbc.sequelink.SequeLinkDriver
Enter the connection url : jdbc:sequelink://prodsales:15033;serverDataSource=
sales;databaseName=salesdb
Enter the user name : sales1
Enter the password : *****
```

```
Driver class was found
```

```
The following drivers are loaded:
com.ddtek.jdbc.sequelink.SequeLinkDriver
```

```
connected
```

```
DatabaseMetaData.getUserName() = sales1
DatabaseMetaData.getDriverVersion() = 6.0.0057
DatabaseMetaData.getDatabaseProductName() = DB2/NT
Connection.getCatalog() = null
```

```
Succesfully verified:
```

```
Driver classname: com.ddtek.jdbc.sequelink.SequeLinkDriver
Connection url: jdbc:sequelink://prodsales:15033;serverDataSource=
sales;databaseName=salesdb
```

Reporting a Problem

DataDirect Technologies technical support may ask you to provide a debug log file. SequeLink Server uses the following types of debug log files:

- **Session debug log file** contains information related to all server processing in the context of a client session. See [“SequeLink® Server Session Debug Log File” on page 44](#) for more information.
- **Service debug log file** contains information related to service-related processing—any kind of processing that occurs *outside* the context of a client session. See [“SequeLink® Service Debug Log File” on page 46](#) for more information.
- **Server ODBC trace of the backend ODBC-to-JDBC bridge.** See [“Defining a Server ODBC Trace for the Backend Driver” on page 60](#) for more information.
- DataDirect Spy logs of the backend JDBC driver.

Connecting with SequeLink® Server for DB2 on z/OS

This section provides specific information for troubleshooting problems with connections with SequeLink Server for DB2.

Releasing Locks Held by Disassociated DB2 Threads

Errors can occur when a transaction branch becomes disassociated from the thread of control. This can cause problems with locks that are held by disassociated DB2 threads.

An XA transaction branch starts with `xa_start()` to register a new transaction branch with the resource manager, and ends with

`xa_end` when the application completes a portion of its work, either partially or in its entirety. When `xa_end()` is successfully returned, the calling thread of control is no longer actively associated with the branch, but the branch still exists. The transaction manager then calls `xa_prepare()` to request a resource manager to prepare the work performed in that transaction branch for commitment.

During the time between the `xa_end()` and the `xa_prepare()`, the transaction branch, represented by an RRS context, is no longer associated with the thread of control. This disassociated RRS context can hold resources in the resource manager on behalf of the transaction branch. The unit of recovery state for this transaction branch is called "InFlight".

After `xa_prepare` is successfully returned, the transaction branch, represented by an RRS context, is disassociated from the thread of control. This disassociated RRS context can hold resources in the resource manager on behalf of the transaction branch. The unit of recovery state for this transaction branch is called "InDoubt".

The application calls:

- `xa_commit()` to direct the resource manager to commit the transaction branch. The resource manager applies any changes (commits) it has made to shared resources and releases any resources held on behalf of the branch.
- `xa_rollback()` to direct the resource manager to roll back a branch. The resource manager cancels any changes (rolls back) that it applied to shared resources, and releases any resources it held.

Disassociated RRS contexts can be rolled back or committed using the XA RELEASE operator command. For information on using SequeLink Operator Commands, refer to the *SequeLink Administrator's Guide*.

Disassociated RRS contexts can also be rolled back or committed by using RRS panels.

Log Messages on z/OS

Some log messages are platform-specific, such as the log messages for DB2 UDB on z/OS. This type of message is generated by a Service Task, and begins with a service name and, in some cases, a thread ID. The message continues with a specific error code and message. See [Chapter 5 “Error Messages” on page 101](#) for the details about the error code.

The following examples show the general format of this type of log message:

Tnnnnnnn—ServiceName@Hostname>, ErrorCode=<xxxx>, ErrorMessage=<ttttttttt>.

Severity: The severity depends on the situation.

Explanation: The explanation of the failure depends on the exact nature of the failure.

System action: The system action depends on the exact nature of the failure.

User response: The user response depends on the exact nature of the failure.

<service name>@<hostname>, ErrorCode=<xxxx>, ErrorMessage=<text>.

Severity: The severity depends on the situation.

Explanation: This is a general error message.

System action: The operation fails.

User response: The user response depends on the exact nature of the failure.

Reporting a Problem

DataDirect Technologies technical support may ask you to provide a debug log file. SequeLink Server uses the following types of debug log files:

- **Session debug log file** contains information related to all server processing in the context of a client session. See [“SequeLink® Server Session Debug Log File” on page 44](#), for more information.
- **Service debug log file** contains information related to service-related processing—any kind of processing that occurs *outside* the context of a client session. See [“SequeLink® Service Debug Log File” on page 46](#) for more information.
- **Server ODBC trace of the backend driver.** See [“Defining a Server ODBC Trace for the Backend Driver” on page 60](#) for more information.

3 Troubleshooting TCP/IP Connection Problems

Establishing a TCP/IP connection between a SequeLink Client and a SequeLink service consists of the following steps.

- 1 A low-level TCP/IP connection is made from a SequeLink Client to a SequeLink Server that is listening on the specified TCP/IP port. See the following section [“Establishing a TCP/IP Connection”](#) for more information.
- 2 When this low-level TCP/IP connection has been established, the SequeLink Client exchanges operational parameters, or a handshake, with the SequeLink service. See [“Connection Handshaking” on page 87](#) for more information.

This chapter describes situations that may cause TCP/IP connections between a SequeLink Client and a SequeLink service to fail. See [Chapter 5 “Error Messages” on page 101](#) for information about the error codes referenced.

Establishing a TCP/IP Connection

If you are experiencing problems when a TCP/IP connection is made to a SequeLink Server, follow these recommendations:

- If the server host is specified by a symbolic host name instead of an IP formatted address, make sure that the host name can be mapped to an IP address. Error 2469 indicates that the specified server could not map the server host name to an IP address.

Other TCP/IP applications, such as ping, telnet, ftp, or traceroute, should return similar errors.

- Confirm that it is possible to make a TCP/IP connection with the specified server host using other TCP/IP applications, such as ping, telnet, ftp, or traceroute, if the requested service is available on that host. If other TCP/IP applications can connect to the server host, look for the following problems in SequeLink:
 - An invalid IP address has been specified.
 - An invalid host name has been specified, even if the host name is mapped to a valid IP address.
 - The server host may not be operational.
 - The server host could not be reached from the client machine because of a routing problem.
- If a time limit is set on the connection, check whether a timeout occurred. Error 2320 is returned when TCP/IP cannot connect to the server host within the specified time. Increase the time interval and try again to connect.
- If the port is specified by a name instead of a number, check whether the name can be mapped to a port number. Error 2470 is returned if the specified name cannot be mapped to a port number. Check the TCP/IP services configuration file.
- Verify that a SequeLink service is listening on the server host at the specified port. Use the `netstat -a` command on the host to obtain a list of TCP ports that are in the listening state.
- Check for congestion problems on the server. Error 2306 or Error 2308 is returned if TCP/IP can reach the server and a service is listening on the server host at the specified port, but too many TCP/IP connection attempts are being made simultaneously for the server to handle.

Connection Handshaking

If you are experiencing problems during handshaking after the low-level TCP/IP connection has been made to a SequeLink Server, follow these recommendations:

- You may have specified a TCP/IP port that is not used by a SequeLink service.
 - If the specified port is serviced by a SequeLink Server of an earlier, incompatible version (SequeLink 4.x), the following errors can occur:
 - Error 2200. The client did not receive a reply from the server within the specified time frame. This error occurs only if a connection timeout is specified. See error message [2200](#) for more details.
 - Error 2300. The server closed the transport connection. See error message [2300](#) for more details.
 - If the specified port is serviced by a server that is not a SequeLink server, the following errors can occur:
 - Error 2200. The client did not receive a reply from the server within the specified time frame. This error occurs only if a connection timeout is specified. See error message [2200](#) for more details.
 - Error 2300. The server closed the transport connection. See error message [2300](#) for more details.
 - Error 2310. The server went down while trying to process the handshake request. The connection was closed. See error message [2310](#) for more details.
 - Error 2315. The server received the handshake request and returned a non-IIOP reply that the client could not understand. See error message [2315](#) for more details.

- You may be connecting with a previous, incompatible version of the SequeLink Client (SequeLink 4.x) to a SequeLink 6.0 Server:
 - The client receives an error message that informs you that the server has closed the connection during the initial handshake.
 - If the specified port is serviced by a SequeLink 6.0 Server, the following errors can occur:
 - Error 2200. The client did not receive a reply from the server within the specified time frame. This error occurs only if a connection timeout is specified. See error message [2200](#) for more details.
 - Error 2312. A connection was established with the server, but no data was received on the server within the keep alive period. Increase the keep alive setting on the server. See error message [2312](#) for more details.

Part 2: Error Codes and Messages

This part contains the following chapters:

- [Chapter 4 “Overview of Error Codes and Messages” on page 91](#) provides general information about SequeLink’s error handling strategy and describes the types of errors that can occur when using SequeLink.
- [Chapter 5 “Error Messages” on page 101](#) lists error codes that may be generated.

4 Overview of Error Codes and Messages

This chapter provides general information about SequeLink's error handling strategy and describes the types of errors that can occur when using SequeLink.

Each generated error message includes a description of the most probable cause of the error, prefixed by the name of the component that returned the error.

For information about the error formats and the types of errors that can occur when using SequeLink:

- See ["SequeLink® ODBC Driver" on page 91](#)
- See ["SequeLink® ADO Data Provider" on page 94](#)
- See ["SequeLink® JDBC Driver" on page 96](#)
- See ["SequeLink® .NET Data Provider" on page 98](#)

SequeLink® ODBC Driver

The following types of errors can occur when you are using the SequeLink Client *for* ODBC:

- SequeLink ODBC driver errors
- SequeLink Client errors
- SequeLink Server errors
- Database errors

SequeLink® ODBC Driver Errors

An error generated by the SequeLink ODBC driver has the following format:

```
[DataDirect] [ODBC SequeLink driver] message
```

For example:

```
[DataDirect] [ODBC SequeLink driver] Invalid precision  
specified.
```

The native error code is always zero (0).

If you receive this type of error, check the last ODBC call your application made. Contact your ODBC application vendor, or refer to the ODBC documentation available from Microsoft. The [ODBC Programmer's Reference](#) is available on the Microsoft Web site. For information on later versions of ODBC, refer to the documentation included in the ODBC SDK.

SequeLink® Client Errors

An error generated by the SequeLink Client *for* ODBC has the following format:

```
[DataDirect] [ODBC SequeLink driver] [SequeLink Client]  
message
```

For example:

```
[DataDirect] [ODBC SequeLink driver] [SequeLink Client] The  
specified transliteration module is not found.
```

Use the native error code to look up details about the possible cause of the error. See [Chapter 5 “Error Messages” on page 101](#) for a list of all error codes and messages.

SequeLink® Server Errors

An error generated by SequeLink Server has the following format:

```
[DataDirect] [ODBC SequeLink driver] [SequeLink Server]  
message
```

For example:

```
[DataDirect] [ODBC SequeLink driver] [SequeLink Server]  
Only Select statements are allowed in this read-only  
connection.
```

Use the native error code to look up details about the possible cause of the error. See [Chapter 5 “Error Messages” on page 101](#) for a list of all error codes and messages.

Database Errors

An error generated by the database has the following format:

```
[DataDirect] [ODBC SequeLink driver] [...] message
```

For example:

```
[DataDirect] [ODBC SequeLink driver] [Oracle]  
ORA-00942:table or view does not exist.
```

Use the native error code to look up details about the possible cause of the error. For these details, refer to your database documentation.

SequeLink® ADO Data Provider

The following types of errors can occur when you are using the SequeLink Client *for* ADO:

- SequeLink ADO provider errors
- SequeLink Client errors
- SequeLink Server errors
- Database errors

SequeLink® ADO Data Provider Errors

An error generated by the SequeLink ADO data provider has the following format:

```
[DataDirect] [SequeLink ADO provider] message
```

For example:

```
[DataDirect] [SequeLink ADO provider] Invalid precision  
specified.
```

The native error code is always zero (0).

If you receive this type of error, check the last ADO call your application made. Contact your ADO or OLE DB application vendor, or refer to the ADO and OLE DB documentation available from Microsoft.

SequeLink® Client Errors

An error generated by the SequeLink Client *for* ADO has the following format:

```
[DataDirect] [SequeLink ADO provider] [SequeLink Client]  
message
```

For example:

```
[DataDirect] [SequeLink ADO provider] [SequeLink Client]  
Memory allocation error occurred.
```

Use the native error code to look up details about the possible cause of the error. See [Chapter 5 “Error Messages” on page 101](#) for a list of all error codes and messages.

SequeLink® Server Errors

An error generated by SequeLink Server has the following format:

```
[DataDirect] [SequeLink ADO provider] [SequeLink Server]  
message
```

For example:

```
[DataDirect] [SequeLink ADO provider] [SequeLink Server]  
Only Select statements are allowed in this read-only  
connection.
```

Use the native error code to look up details about the possible cause of the error. See [Chapter 5 “Error Messages” on page 101](#) For a list of all error codes and messages.

Database Errors

An error generated by the database has the following format:

```
[DataDirect] [SequeLink ADO provider] [...] message
```

For example:

```
[DataDirect] [SequeLink ADO provider] [Oracle]  
ORA-00942:table or view does not exist.
```

Use the native error code to look up details about the possible cause of the error. For these details, refer to your database documentation.

SequeLink® JDBC Driver

The SequeLink JDBC driver reports errors to the calling application by returning `SQLExceptions`. Errors can be generated by the following components:

- SequeLink JDBC driver
- SequeLink Server
- Database

SequeLink® JDBC Driver Errors

An error generated by the SequeLink JDBC driver has the following format:

```
[DataDirect] [SequeLink JDBC Driver] message
```

For example:

```
[DataDirect] [SequeLink JDBC Driver] Timeout expired.
```


Use the native error code to look up details about the possible cause of the error. See [Chapter 5 “Error Messages” on page 101](#) for a list of all error codes and messages. Sometimes, you may need to check the last JDBC call your application made and refer to the JDBC specification for recommended action.

SequeLink® Server Errors

An error generated by SequeLink Server has the following format:

```
[DataDirect] [SequeLink JDBC Driver] [SequeLink Server]
message
```

For example:

```
[DataDirect] [SequeLink JDBC Driver] [SequeLink Server]
Only Select statements are allowed in this read-only
connection.
```

Use the native error code to look up details about the possible cause of the error. See [Chapter 5 “Error Messages” on page 101](#) for a list of all error codes and messages.

Database Errors

An error generated by the database has the following format:

```
[DataDirect] [SequeLink JDBC Driver] [...] message
```

For example:

```
[DataDirect] [SequeLink JDBC Driver] [Oracle]
ORA-00942:table or view does not exist.
```

Use the native error code to look up details about the possible cause of the error. For these details, refer to your database documentation.

SequeLink® .NET Data Provider

The following types of errors can occur when you are using the SequeLink Client *for* .NET:

- SequeLink Client errors
- SequeLink Server errors
- Database errors

SequeLink® Client Errors

Errors generated by the .NET Client have different formats, depending on the cause and source of the problem. Formats include:

```
[SequeLink nnnn] Memory allocation error occurred.
```

```
Invalid parameter type.
```

If a native error code is displayed, you can look up details about the possible cause of the error. See [Chapter 5 “Error Messages” on page 101](#) for a list of all SequeLink error codes and messages.

SequeLink® Server Errors

An error generated by SequeLink Server has the following format:

```
DDTek.SequeLink.SequeLinkException:[SequeLink Server]  
message
```

For example:

```
DDTek.SequeLink.SequeLinkException:[SequeLink Server]  
Required user name is missing.
```

Use the native error code to look up details about the possible cause of the error. See [Chapter 5 “Error Messages” on page 101](#) for a list of all error codes and messages.

Database Errors

An error generated by the database has the following format:

```
DDTek.SequeLink.SequeLinkException:[...] message
```

For example:

```
DDTek.SequeLink.SequeLinkException:[Oracle] ORA-00942:table  
or view does not exist.
```

Use the native error code to look up details about the possible cause of the error. For these details, refer to your database documentation.

5 Error Messages

This chapter lists in numerical order error messages you may receive while using SequeLink. Each error message is followed by a description of the error and recommended actions, if applicable.

351	Error detected while processing an administration request.
<i>Cause</i>	An administration request could not be processed by the server.
<i>Action</i>	Preceding or subsequent messages contain more detailed information.
352	Error detected while processing an administration request.
<i>Cause</i>	An administration request could not be processed by the server.
<i>Action</i>	Preceding or subsequent messages contain more detailed information.
353	Memory allocation failed while processing an administration request.
<i>Cause</i>	A request to the operating system to allocate memory for the SequeLink Server failed.
<i>Action</i>	Free memory resources. If the problem persists, contact DataDirect Technologies technical support.
354	An invalid argument is passed to an administration function.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
360	The requested node cannot be found in the monitor tree.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

361	Duplicate object identifier in the monitor tree. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
362	Could not delete the given node because it owns items that have not been deleted. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
370	The specified entity type does not exist. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
371	The specified attribute does not exist. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
372	The specified entity instance could not be found. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
373	The specified attributes do not match. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
374	The specified attribute ID is not valid. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
375	The specified entity type is not valid. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
376	The specified entity type is read-only. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.

377	The specified configuration file could not be opened.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
378	The syntax of the configuration file is incorrect.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
379	An unexpected duplicate entity was detected.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
380	The required primary key attributes were not provided.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
381	The provided attribute is a primary key attribute.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
382	The provided attribute already exists.
<i>Cause</i>	An attempt was made to add an attribute that already exists.
<i>Action</i>	This error only occurs when multiple SequeLink administrators attempt to add the same attribute to the configuration at the same time. Using the SequeLink Manager, reconnect to the SequeLink Agent service to refresh the SequeLink Manager view of the configuration file. Then, execute the administration task again.
383	The configuration file was changed by someone else.
<i>Cause</i>	The configuration file has been modified by another administrator.
<i>Action</i>	Reload the configuration file and make the changes again.
390	Received a request to stop listening, ignoring other events on the queue.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

391	<p>The semaphore operation could not be completed within the timeout period specified.</p> <p><i>Cause</i> An internal error occurred.</p> <p><i>Action</i> Contact DataDirect Technologies technical support.</p>
392	<p>Request to send an event failed because there is no listener active on the event queue.</p> <p><i>Cause</i> An internal error occurred.</p> <p><i>Action</i> Contact DataDirect Technologies technical support.</p>
393	<p>Request to send an event failed because the event queue is full.</p> <p><i>Cause</i> The service could not send the events to the Event Processor because the event queue was full.</p> <p><i>Action</i> Increase the value for both or either of the “ServiceEvQShmQSize” and “ServiceEvQShmQMaxResend” service attributes. Refer to the <i>SequeLink Administrator’s Guide</i> for information about service attributes.</p>
394	<p>Request to send an event failed because the event size exceeds the maximum event size.</p> <p><i>Cause</i> The service could not send the event to the Event Processor because the event queue was too small to hold all the attributes of the event.</p> <p><i>Action</i> Increase the value for the “ServiceEvQShmQSize” service attribute. Refer to the <i>SequeLink Administrator’s Guide</i> for information about service attributes.</p>
395	<p>Request to create an IPC object failed.</p> <p><i>Cause</i> An internal error occurred.</p> <p><i>Action</i> Contact DataDirect Technologies technical support.</p>
396	<p>The parameters needed to create an IPC key could not be found in the configuration file.</p> <p><i>Cause</i> An internal error occurred.</p> <p><i>Action</i> Contact DataDirect Technologies technical support.</p>
397	<p>A call to ftok failed. Check if the file xxx exists and is readable.</p> <p><i>Cause</i> An internal error occurred.</p> <p><i>Action</i> Contact DataDirect Technologies technical support.</p>

398	Request to create or attach to shared memory (key=xxxx) failed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
399	Request to create a semaphore (key=xxxx) failed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
400	Request to create a message queue (key=xxxx) failed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
401	Failed to terminate the event queue cache because it is not empty.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
410	The specified parameter (xxxx) is invalid.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
411	The attribute xxx is not found in the attribute list of the event that is being processed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
412	The specified attribute (ID=xxxx) has an incorrect type.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
413	Failed to evaluate the profile filter expression for event with ID=xxxx.
<i>Cause</i>	The specified profile filter is not valid.
<i>Action</i>	Correct the syntax of the profile filter.
414	Profile filter evaluation failed because the expressions have incompatible types.
<i>Cause</i>	The specified profile filter is not valid.
<i>Action</i>	Correct the syntax of the profile filter.

415	Failed to parse the expression because of a syntax error at position xxxx.
<i>Cause</i>	The specified profile filter is not valid.
<i>Action</i>	Correct the syntax of the profile filter.
416	Failed to parse the profile filter expression.
<i>Cause</i>	The specified profile filter is not valid.
<i>Action</i>	Correct the syntax of the profile filter.
417	The provided monitor path (xxxx) is invalid.
<i>Cause</i>	The specified profile filter is not valid.
<i>Action</i>	Correct the syntax of the profile filter.
418	The specified action (xxxx) is not a valid event profile action.
<i>Cause</i>	The specified profile filter is not valid.
<i>Action</i>	Correct the syntax of the profile filter.
419	An invalid parameter value (xxxx) was specified.
<i>Cause</i>	The specified profile filter is not valid.
<i>Action</i>	Correct the syntax of the profile filter.
420	The specified event profile action (xxxx) failed to parse.
<i>Cause</i>	The specified profile filter is not valid.
<i>Action</i>	Correct the syntax of the profile filter.
421	Failed to load profile with ID=xxxx.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
430	Failed to open event trace file because the file version was not recognized.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

431	Failed to resize the event trace file.
<i>Cause</i>	An attempt to resize the event trace file failed, probably because SequeLink Server was restarted with a new value for the <i>"ServiceEventTraceSize"</i> service attribute that may be too large.
<i>Action</i>	Make sure that there is enough disk space available for the event trace file, which can be found at the location specified by the <i>"ServiceEventTraceLocation"</i> service attribute.
432	The request could not be completed because the event trace is in an error state.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
433	Failed to open the event trace file.
<i>Cause</i>	The event trace file could not be opened during service startup because the SequeLink service was not stopped properly, for example, because the server machine failed or the SequeLink service was terminated with an operating system command while it was processing events.
<i>Action</i>	Delete the event trace file. Then, re-start the service.
434	Failed to open the event trace file because event tracing was not stopped cleanly.
<i>Cause</i>	The event trace file has been left in an inconsistent state and can no longer be used.
<i>Action</i>	Delete the event trace file. Before deleting, make sure SequeLink services are stopped using the SequeLink Manager.
435	The event trace file is corrupt.
<i>Cause</i>	An inconsistency was detected within the event trace file.
<i>Action</i>	Delete the event trace file. If the problem persists, contact DataDirect Technologies technical support.
436	Failed to open file to export.
<i>Cause</i>	The specified export file cannot be opened.
<i>Action</i>	Verify the reason reported by the operating system.

437	Failed to close file to export.
<i>Cause</i>	An error was encountered when closing the specified export file.
<i>Action</i>	The contents of the specified export file may be corrupted; use another export file.
1000	System Exception: {0}.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Check the system exception {0} for more information. If necessary, contact DataDirect Technologies technical support.
1001	No more data available to read.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
1002	End of stream was detected on a read.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
1003	Error opening/loading com.ddtek.util.transliteration.properties.
<i>Cause</i>	An unexpected error occurred while accessing the transliteration properties file.
<i>Action</i>	Contact DataDirect Technologies technical support.
1004	Resource com.ddtek.util.transliteration.properties is corrupt.
<i>Cause</i>	An unexpected error occurred while accessing the transliteration properties file.
<i>Action</i>	Contact DataDirect Technologies technical support.
1005	Transliteration table {0} not found.
<i>Cause</i>	The SequeLink Server uses a Code page that is currently not supported by the SequeLink Client.
<i>Action</i>	Contact DataDirect Technologies technical support.
1006	Transliteration class {0} not found.
<i>Cause</i>	The SequeLink Server uses a Code page that is currently not supported by the SequeLink Client.
<i>Action</i>	Contact DataDirect Technologies technical support.

1007	Unsupported VM encoding {0}.
<i>Cause</i>	The SequeLink Server uses a Code page that is currently not supported by the SequeLink Client.
<i>Action</i>	Contact DataDirect Technologies technical support.
1008	Transliteration table {0} is corrupt.
<i>Cause</i>	An unexpected error occurred while accessing the transliteration table.
<i>Action</i>	Contact DataDirect Technologies technical support.
1009	Transliteration failed.
<i>Cause</i>	An unexpected error occurred while transliterating the String.
<i>Action</i>	Contact DataDirect Technologies technical support.
1010	Invalid transliteration class {0}.
<i>Cause</i>	An unexpected error occurred while accessing the transliteration table.
<i>Action</i>	Contact DataDirect Technologies technical support.
1011	Character set {0} not found in com.ddtek.util.transliteration.properties.
<i>Cause</i>	The SequeLink Server uses a Code page that is currently not supported by the SequeLink Client.
<i>Action</i>	Contact DataDirect Technologies technical support.
1012	IO Error creating temp file: {0}
<i>Cause</i>	An unexpected error occurred while creating a temporary file.
<i>Action</i>	Check the IO-exception {0} for more information. If necessary, contact DataDirect Technologies technical support.
1013	IO Error writing temp file: {0}
<i>Cause</i>	An unexpected error occurred while writing a temporary file.
<i>Action</i>	Check the IO-exception {0} for more information. If necessary, contact DataDirect Technologies technical support.

1014	IO Error reading temp file: {0}
<i>Cause</i>	An unexpected error occurred while reading a temporary file.
<i>Action</i>	Check the IO-exception {0} for more information. If necessary, contact DataDirect Technologies technical support.
1015	IO Error reading temp file: {0}
<i>Cause</i>	An unexpected error occurred while reading a temporary file.
<i>Action</i>	Check the IO-exception {0} for more information. If necessary, contact DataDirect Technologies technical support.
1016	Error fetching data from temp buffer
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
1017	The object is closed
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
1018	{0}
<i>Cause</i>	An unexpected error occurred. At runtime, an error message from the JDK will be displayed.
<i>Action</i>	Contact DataDirect Technologies technical support.
1019	Error attempting to backup position in data stream
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
1020	Error establishing socket. {0}
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
1021	Error establishing socket. Unknown host: {0}
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

1201	JDBC driver error: execute() returned true, but getResultSet() returned null.
<i>Cause</i>	A JDBC driver error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support or the technical support of the JDBC driver vendor.
1202	java.sql.ResultSetMetaData.isNullable(int column) returns invalid value.
<i>Cause</i>	A JDBC driver error occurred. The driver returned a value not defined in the JDBC specification.
<i>Action</i>	Contact DataDirect Technologies technical support or the technical support of the JDBC driver vendor.
1203	java.sql.ResultSetMetaData.isNullable(int param) returns invalid value.
<i>Cause</i>	A JDBC driver error occurred. The driver returned a value not defined in the JDBC specification.
<i>Action</i>	Contact DataDirect Technologies technical support or the technical support of the JDBC driver vendor.
1204	Java Virtual Machine initialization failed.
<i>Cause</i>	The DataDirect 32-BIT ODBC2JDBC driver could not initialize the Java Virtual Machine.
<i>Action</i>	Contact DataDirect Technologies technical support.
1205	JNI function AttachCurrentThread() failed.
<i>Cause</i>	The DataDirect 32-BIT ODBC2JDBC driver could not attach the current thread to a Java Native Interface (JNI) thread context.
<i>Action</i>	Contact DataDirect Technologies technical support.
1206	An exception occurred in the JDBC driver, but the ODBC2JDBC driver could not retrieve the exception from the JVM.
<i>Cause</i>	A Java Virtual Machine error occurred. An exception was thrown by the Java Virtual Machine, but the JNI failed to retrieve it.
<i>Action</i>	If you consider the error fatal, contact DataDirect Technologies technical support.
1207	Unsupported SQL type.
<i>Cause</i>	A JDBC driver error occurred. The driver returned a value not defined in the JDBC specification.
<i>Action</i>	Contact DataDirect Technologies technical support or the technical support of the JDBC driver vendor.

1208	Statement is not a stored procedure, but output parameters are bound.
<i>Cause</i>	An application logic error is the most likely cause.
<i>Action</i>	Modify the application. Do not bind output parameters with simple Select, Insert, Delete, or Update statements.
1209	Statement is in an inconsistent state.
<i>Cause</i>	An application logic error is the most likely cause, and earlier errors reported by the DataDirect 32-BIT ODBC2JDBC driver were ignored.
<i>Action</i>	Check the logic of your application and respond properly to earlier reported errors.
1210	DatabaseProperties not found, defaults will be used.
<i>Cause</i>	The application specified "DatabaseProperties=xxx" in the connection URL; however, the corresponding properties file XXX.PROPERTIES could not be loaded.
<i>Action</i>	Ensure the properties file XXX.PROPERTIES referred by "DatabaseProperties=xxx" is installed.
2200	Network problem, local timeout during session setup, connection closed.
<i>Cause</i>	The session connection handshake could not be completed within the time limit set.
<i>Action</i>	Make sure that you are connecting to a SequeLink 5.x Server or higher. If the problem persists, increase the connection timeout value.
2201	Network problem, remote timeout during session setup, connection closed.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2202	Network resource problem, session aborted due to local buffer allocation failure, connection closed.
<i>Cause</i>	The SequeLink Client could not allocate internal buffers to read the reply sent from the SequeLink Server. The session was aborted and the connection was closed.
<i>Action</i>	Free memory resources. If the problem persists, contact DataDirect Technologies technical support.

2203	Network resource problem, session aborted due to remote buffer allocation failure, connection closed.
<i>Cause</i>	The SequeLink Server could not allocate internal buffers to read the request coming from the SequeLink Client. The session was aborted and the connection was closed.
<i>Action</i>	Free memory resources. If the problem persists, contact DataDirect Technologies technical support.
2204	Internal network error, session aborted due to local session protocol error, connection closed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2205	Internal network error, session aborted due to remote session protocol error, connection closed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2206	Network problem, cancel not allowed.
<i>Cause</i>	The cancel feature was disabled by the SequeLink service.
<i>Action</i>	If needed, the cancel feature can be enabled by setting the service attribute <code>ServiceCancelEnabled=TRUE</code> . For information about the "ServiceCancelEnabled" service attribute, refer to the <i>SequeLink Administrator's Guide</i> .
2207	Internal network error, session aborted due to session protocol data unit format error, connection closed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2208	Internal network error, session aborted, connection closed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2209	Network problem, no pending request to cancel.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

2211	Network problem, cancel not possible because session is killed.
<i>Cause</i>	The cancel operation failed because the session was killed on the SequeLink Server. The connection was closed.
<i>Action</i>	Contact DataDirect Technologies technical support.
2213	Internal network error, connection closed because session key not found in remote session list.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2215	Network problem, cancel failed because all transport channels in use on remote session.
<i>Cause</i>	The cancel operation failed because the previous cancel request did not release all its resources on the SequeLink Server.
<i>Action</i>	Contact DataDirect Technologies technical support.
2217	Network problem, session aborted due to internal error in remote procedure call, connection closed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2219	Network problem, invalid IIOp object key, connection closed.
<i>Cause</i>	The SequeLink service the SequeLink Client is connected to did not accept the IIOp object key sent.
<i>Action</i>	Contact DataDirect Technologies technical support.
2221	Network problem, invalid IIOp operation target, connection closed.
<i>Cause</i>	The SequeLink service the SequeLink Client is connected to did not accept the IIOp operation target sent.
<i>Action</i>	Contact DataDirect Technologies technical support.
2223	Internal network error, session aborted due to remote procedure call failure, connection closed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

2249	Internal network error.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2251	Connection closed due to session kill.
<i>Cause</i>	The session was killed on the SequeLink Server. The connection was closed.
<i>Action</i>	None.
2252	Connection closed due to service shutdown.
<i>Cause</i>	The session was killed on the SequeLink Server because the SequeLink service was shutting down.
<i>Action</i>	None.
2253	Connection closed, non SequeLink IIOP user exception received.
<i>Cause</i>	An IIOP user exception reply was received from a server that was not a SequeLink Server. The session was aborted, and the connection was closed.
<i>Action</i>	Contact DataDirect Technologies technical support.
2254	Connection closed, non SequeLink IIOP system exception received.
<i>Cause</i>	An IIOP system exception reply was received from a server that was not a SequeLink Server. The session was aborted, and the connection was closed.
<i>Action</i>	Contact DataDirect Technologies technical support.
2255	Connection closed, non SequeLink IIOP message format error received.
<i>Cause</i>	An IIOP message format error was received from a server that was not a SequeLink Server. The session was aborted, and the connection was closed.
<i>Action</i>	Make sure the client application is connecting to a SequeLink Server. If the problem persists, contact DataDirect Technologies technical support.

2300	Network problem, connection unexpectedly closed by peer.
<i>Cause</i>	The server closed the transport connection. If logging was enabled, the message <code>give up waiting for incomplete record will be</code> recorded in the service debug log file. This error can occur when the server does not recognize the handshake request.
<i>Action</i>	Make sure the client application is connecting to a SequeLink Server. If the problem persists, contact DataDirect Technologies technical support.
2302	TCP/IP error, the remote host cannot be reached from this host at this time.
<i>Cause</i>	TCP/IP cannot establish a connection with the SequeLink Server host because no route to the SequeLink Server was found.
<i>Action</i>	Make sure that: <ul style="list-style-type: none"> ■ The network configuration is correct ■ A network route to the SequeLink Server is available ■ The SequeLink Server is active Try another TCP/IP network application to verify whether the server is reachable.
2303	TCP/IP error, the network is not reachable from this host.
<i>Cause</i>	TCP/IP cannot establish a connection with the SequeLink Server host because no route can be found to the network on which the host resides.
<i>Action</i>	Make sure that: <ul style="list-style-type: none"> ■ The network configuration is correct ■ A network route to the SequeLink Server is available ■ The SequeLink Server is active Try another TCP/IP network application to verify whether the server is reachable.
2304	TCP/IP error, network subsystem down.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2305	TCP/IP resource problem.
<i>Cause</i>	A network operation failed because TCP/IP had insufficient resources.
<i>Action</i>	Check for heavy traffic conditions on the server.

2306	TCP/IP error, connection refused.
<i>Cause</i>	There was no process waiting for connections on the SequeLink Server host at the specified port or the SequeLink Server was experiencing too many simultaneous connection attempts.
<i>Action</i>	Contact DataDirect Technologies technical support.
2307	TCP/IP error, the specified address is already in use.
<i>Cause</i>	TCP/IP resource problem. A connection failed because all ports were being used.
<i>Action</i>	Re-attempt the connection when more network resources are available.
2308	TCP/IP error, connection timed out.
<i>Cause</i>	The connection has been closed because no response was received. The network may have gone down without notice, the client/server host was unreachable, or the SequeLink Server was experiencing too many simultaneous connection attempts.
<i>Action</i>	Check for heavy traffic conditions on the server.
2309	Network problem, could not load transport manager.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2310	TCP/IP error, connection reset by peer.
<i>Cause</i>	The connection was closed by the peer. When the specified port is serviced by a non-SequeLink Server, this warning message can occur if the server goes down while trying to process a handshake request.
<i>Action</i>	Check the server logs. If the failure was caused by the SequeLink Server stopping unexpectedly, contact DataDirect Technologies technical support.
2311	TCP/IP network error, connection closed.
<i>Cause</i>	An unexpected TCP/IP error occurred. The connection was closed.
<i>Action</i>	Contact DataDirect Technologies technical support.

2312	Network problem, connection closed due to idle event on transport endpoint not linked to session.
<i>Cause</i>	A connection was established with the SequeLink Server, but no data was received by the SequeLink Server within the keep alive time frame. The connection was closed.
<i>Action</i>	Increase the keep alive setting on the server.
2313	Network resource problem, connection closed due to buffer allocation problem.
<i>Cause</i>	A request to the operating system to allocate memory failed.
<i>Action</i>	Free memory resources. If the problem persists, contact DataDirect Technologies technical support.
2314	Internal network problem, connection closed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2315	Network problem, unknown session conversation protocol.
<i>Cause</i>	An attempt was made to connect to a SequeLink Server with an incompatible version of SequeLink.
<i>Action</i>	Check the version of the SequeLink Server to make sure it is compatible with the current version of the installed SequeLink software. If the problem persists, contact DataDirect Technologies technical support.
2318	Network problem, connection time out.
<i>Cause</i>	The TCP/IP connection could not be established within the set time limit.
<i>Action</i>	Increase the time interval and try again to connect.
2320	Network problem, connection time out.
<i>Cause</i>	The TCP/IP connection to the server host could not be established within the set time limit.
<i>Action</i>	Increase the time interval and try again to connect.

2321	Network problem, listener could not be started because port is already in use.
<i>Cause</i>	The port specified for the SequeLink service was being used by another application.
<i>Action</i>	Stop the application that is using the port or reconfigure the SequeLink service to use another port.
2402	Session refused, service is shutting down, connection closed.
<i>Cause</i>	The requested session was not accepted because the service was shutting down.
<i>Action</i>	None.
2403	Network resource problem, session refused, connection closed.
<i>Cause</i>	The SequeLink Server failed to allocate a network resource.
<i>Action</i>	Check for heavy traffic conditions on the server.
2404	Session refused by service, connection closed.
<i>Cause</i>	The server process was unable to accept the connection request.
<i>Action</i>	Check the service debug log file or event trace file for details.
2405	Network resource problem, session refused, connection closed.
<i>Cause</i>	The SequeLink Server failed to allocate a network resource.
<i>Action</i>	Check for heavy traffic conditions on the server.
2406	Session refused, service process could not be spawned, connection closed.
<i>Cause</i>	The service process launch failed.
<i>Action</i>	Check the service debug log file or the system log facility for the specific problem.
2450	Invalid host, no leading blanks allowed.
<i>Cause</i>	The specified host name starts with a blank character. Blank characters, including leading or trailing blanks, are not allowed in the host name.
<i>Action</i>	Specify the correct host name, making sure not to include a blank character at the beginning of the name.

2451	Invalid port, no trailing blanks allowed.
<i>Cause</i>	The specified port ends with a blank character. Blank characters, including leading or trailing blanks, are not allowed in the port.
<i>Action</i>	Specify the correct port, making sure not to include any trailing blank characters.
2452	Invalid host or port, no blanks allowed.
<i>Cause</i>	The specified host or port contained a blank character. Blank characters, including leading or trailing blanks, are not allowed in the host name or port.
<i>Action</i>	Specify the correct host name or port, making sure it does not contain any blank characters.
2453	Invalid port, number out of range.
<i>Cause</i>	The specified port number exceeds the maximum value of 32768.
<i>Action</i>	Specify the correct port using a valid port value.
2454	Internal network error during parsing host and port.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2455	Internal network error, missing separator.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2456	Invalid host or number, ':' character not allowed.
<i>Cause</i>	The host name or number included a colon (:).
<i>Action</i>	Specify the correct host name or number without a colon.
2457	Invalid host, ':' character not allowed.
<i>Cause</i>	The host name included a colon (:).
<i>Action</i>	Specify the correct host name without a colon.
2458	Invalid port, ':' character not allowed.
<i>Cause</i>	The port included a colon (:).
<i>Action</i>	Specify the correct port without a colon.

2459	Internal network error during parsing host and port.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2460	Internal network error during parsing host and port.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2461	Invalid port, numerical value < 0 is not allowed.
<i>Cause</i>	An invalid port number was specified.
<i>Action</i>	Specify the correct port using a valid value.
2462	Invalid port, numerical equal to 0 is not allowed.
<i>Cause</i>	An invalid port number was specified.
<i>Action</i>	Specify the correct port using a valid value.
2463	Host name or service name too long.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2464	Internal network error during parsing host and port.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2465	Internal network error during parsing host and port.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
2466	Network resource problem, memory allocation failure during parsing host and port.
<i>Cause</i>	A system resource was not allocated while parsing the value provided for the host or port.
<i>Action</i>	Free memory resources. If the problem persists, contact DataDirect Technologies technical support.

2467	Internal network error during parsing host and port. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
2468	Internal network error, no host and port specified. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
2469	Network problem, host resolution failure. <i>Cause</i> The specified server host name could not be resolved to a valid IP address. <i>Action</i> Map the server host name to a valid IP address.
2470	Network problem, port resolution failure. <i>Cause</i> The service name could not be resolved to a port number. <i>Action</i> Check the TCP/IP services configuration file.
3001	Internal error, memory allocation failed. <i>Cause</i> Memory allocation error. <i>Action</i> Free memory resources. If the problem persists, contact DataDirect Technologies technical support.
3002	Internal error, corrupt context. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3003	Internal error, invalid request received from the client application. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3004	Internal error, an unexpected exception was detected. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.

3005	Internal error, a fatal server error was detected. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3006	Internal error, a fatal error was detected during event processing. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3007	Internal error, an invalid argument was specified. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3008	OSLogon authentication mechanism requires root privilege. <i>Cause</i> An attempt was made to authenticate a connection to a UNIX SequeLink Server using the OSLogon mechanism, but the UNIX SequeLink Server is not running as root. <i>Action</i> Make sure that the UNIX SequeLink Server is running as root.
3009	Authentication failed. <i>Cause</i> The " ServiceDetailedOSLogonErrors " service attribute is set to FALSE and the OSLogon authentication process detected an error. <i>Action</i> Correct the authentication information, typically the user name or password. If the problem persists, contact your system administrator to find out why the specified user is not allowed access to the server.
3010	Could not create a log file in ServiceDebugLogPath. <i>Cause</i> A session Debug Log File could not be created. <i>Action</i> Verify that the UNIX System Services HFS directory specified in the " ServiceDebugLogPath " service attribute exists, and the Userid of the Server has authorization to create a file in this directory. Refer to the <i>SequeLink Administrator's Guide</i> for information about service attributes. In addition, check whether the file system is full.
3011	Unable to find the specified session in the list of active sessions while processing the kill session request. <i>Cause</i> The service received a session ID of a non-existing session. <i>Action</i> None.

3012	Configuration file was changed by someone else.
<i>Cause</i>	The configuration file has been modified by another administrator.
<i>Action</i>	Reload the configuration file and make the changes again.
3013	The value for maximum number of threads (maxv) exceeds the OS defined limit (maxosv), maximum threads downgrading to OS limit.
<i>Cause</i>	The value of the ServiceMaxThreads service attribute is higher than the operating system allows. The service will only use the number of threads allowed by the operating system.
<i>Action</i>	Correct the value of the "ServiceMaxThreads" service attribute.
3014	The value for minimum number of threads (maxv) exceeds the value for maximum number of threads (minv), downgrading min to max value.
<i>Cause</i>	The value of the ServiceMinThreads service attribute is higher than the value of the ServiceMaxThreads service attribute. The service will use the value of the ServiceMaxThreads service attribute as the value for the minimum number of threads.
<i>Action</i>	Correct the value of the "ServiceMinThreads" service attribute. Refer to the <i>SequeLink Administrator's Guide</i> for information about service variables.
3016	Unable to configure enough threads (6) for the thread pool.
<i>Cause</i>	The value of the ServiceMinThreads service attribute is not a valid value. The service will not start.
<i>Action</i>	Make sure that the value of the "ServiceMinThreads" service attribute is at least 6. Refer to the <i>SequeLink Administrator's Guide</i> for information about service variables.
3017	Error writing to trace file.
<i>Cause</i>	No data can be written to the session debug log file, probably because the file system is full.
<i>Action</i>	Remove old files on the full file system.
3021	Internal error, unable to load the server configuration file.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

3025	Internal error, unable to locate settings for service xxxx in the server configuration file (xxxx).
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3043	Internal error, event trace information is not available from a service with a process based connection model.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3044	The configured debug log path for the service is not valid.
<i>Cause</i>	The directory specified by the "ServiceDebugLogPath" service attribute is not accessible.
<i>Action</i>	Make sure the specified directory exists and is accessible.
3045	The server listener component ran out of network resources.
<i>Cause</i>	The SequeLink Server was unable to accept a new connection request because of insufficient network resources. The SequeLink Server will wait 1 second before accepting new SequeLink Client connections.
<i>Action</i>	Re-attempt the connection.
3046	Internal error, unable to access the monitor tree.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3047	Invalid table type filter is configured.
<i>Cause</i>	The value set for the DataSourceTableTypeFilterList service attribute is not valid.
<i>Action</i>	Specify a valid value for the "DataSourceTableTypeFilterList" service attribute. For information about valid values for SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .

3048	Internal error, failed to initialize the event trace component.
<i>Cause</i>	The service failed to start because the event trace component did not initialize correctly.
<i>Action</i>	<p>Make sure that:</p> <ul style="list-style-type: none"> ■ The event trace file is not being used by another application ■ The directory specified by the "ServiceEventTraceLocation" service attribute exists and is accessible ■ There is enough disk space <p>If the problem persists, contact DataDirect Technologies technical support.</p>
3049	Only select statements are allowed in this read-only connection.
<i>Cause</i>	The value for the DataSourceReadOnly service attribute was set to "select", and the application tried to execute a statement that was not a Select statement.
<i>Action</i>	Change your application, or change the "DataSourceReadOnly" service attribute to accept statements other than Select statements.
3050	Internal error, an invalid action parameter was detected while processing a monitor request.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3051	Due to a fatal error condition with the DBMS session, no new request can be processed.
<i>Cause</i>	A serious error has previously occurred within the DBMS session.
<i>Action</i>	The client application must disconnect.
3052	Maximum cputime limit has been exceeded.
<i>Cause</i>	The session has exceeded its maximum CPU time, no more request are allowed.
<i>Action</i>	The client application must disconnect.

3053	Only select and batch statements are allowed in this read-only connection.
<i>Cause</i>	The DataSourceReadOnly service attribute was set to “select and batches”, and the application tried to execute a statement that was not a Select statement or a Batch statement.
<i>Action</i>	Change your application, or change the “DataSourceReadOnly” service attribute. For information about valid values for SequeLink service attributes, refer to the <i>SequeLink Administrator’s Guide</i> .
3054	Found syntax error(s) within the DataSourceSessionToken attribute.
<i>Cause</i>	Syntax error in DataSourceSessionToken attribute.
<i>Action</i>	Verify that the “DataSourceSessionToken” attribute contains valid placeholders.
3055	Found syntax error(s) within the DataSourceAutoApplId attribute.
<i>Cause</i>	Syntax error in one of the DataSourceAutoApplId attribute entries.
<i>Action</i>	Verify that the syntax of the “DataSourceAutoApplId” attribute is correct. It must contain exactly 40 hexadecimal digits.
3056	A batch cannot contain SQL statements that return a result set.
<i>Cause</i>	A batch cannot contain SQL statements that return a result set.
<i>Action</i>	Check your JDBC application. Make sure that only row count generating statements are used in a batch.
3057	Internal error, the monitor request could not be processed because a required action parameter was not provided.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3058	Internal error, error detected in the event processor.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3059	The specified data source is not defined.
<i>Cause</i>	The specified server data source is not a valid data source for the specified SequeLink service.
<i>Action</i>	Specify a valid server data source for the SequeLink service.

3060	Internal error, the specified authentication mechanism is not accepted.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3061	Authorization failure.
<i>Cause</i>	The <i>"ServiceAuthMethods"</i> or <i>"ServiceAdminAuthMethods"</i> service attributes (in combination with the <i>"ServiceUser"</i> or <i>"ServiceAdministrator"</i> attributes, respectively) do not allow the user to perform the requested action.
<i>Action</i>	Contact your SequeLink administrator for details.
3062	Internal error, unknown provide ID.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3063	Maximum number of shared counter instances reached.
<i>Cause</i>	SequeLink was unable to export monitoring data for a new session to the Windows performance monitor because the shared counter memory was full. The size of the shared counter memory is configured by the <i>ServiceEvQShmMonitorSize</i> service attribute.
<i>Action</i>	Increase the shared counter memory by changing the <i>"ServiceEvQShmMonitorSize"</i> service attribute. For information about valid values for SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .
3064	Internal error, an invalid monitor object was specified while processing an event.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3065	Save operation not allowed, file allocation status or file organization incorrect.
<i>Cause</i>	A remote SequeLink Agent tried to save changes, and the SequeLink Server was started with a SWANDD Data Definition that specified an incorrect file allocation status or file organization.
<i>Action</i>	Correct the SWANDM Data Definition in the server JCL (use DISP=OLD). Verify that the SequeLink configuration file has a sequential file organization. Then, restart the SequeLink Server.

3066	Configuration file is in use by another connection, please retry.
<i>Cause</i>	An attempt to update the SequeLink configuration file was refused because another SequeLink Manager application has locked the SequeLink configuration file.
<i>Action</i>	Wait for the other SequeLink Manager application to release the lock on the SequeLink configuration file. Then, re-attempt the SequeLink Manager operation.
3067	The user password was changed successfully.
<i>Cause</i>	An informational message was generated when the server password of the user was successfully changed.
<i>Action</i>	None.
3068	The application specified an invalid application identifier.
<i>Cause</i>	The application ID specified by the application is not recognized by the SequeLink service.
<i>Action</i>	Make sure that the application is specifying the correct application ID, or change the DataSourceAutoApplId service attribute of the SequeLink service to accept the application ID. For information about application IDs or changing SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .
3069	The application failed to specify a valid application identifier.
<i>Cause</i>	Because the application did not provide a valid application ID, client requests will be refused.
<i>Action</i>	Make sure that the application is specifying the correct application ID, or change the "DataSourceApplID" service attribute of the SequeLink service to accept the application ID. For information about application IDs or changing SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .
3070	License verification failed.
<i>Cause</i>	The SequeLink Server could not locate the required license to execute the client request. The request is refused.
<i>Action</i>	Make sure a valid SequeLink license is registered. If the problem persists, contact DataDirect Technologies technical support.

3071	Maximum number of sessions reached.
<i>Cause</i>	The number of active sessions is exceeding the value of the configuration parameter. Incoming client connection requests are denied.
<i>Action</i>	None.
3078	Internal error, invalid search argument type specified.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3079	Cannot initialize the ICU translator.
<i>Cause</i>	The ICU translator could not be initialized because one of the codepages is not supported by the ICU.
<i>Action</i>	Use an ICU supported codepage. If the problem persists, contact DataDirect Technologies technical support.
3080	Service configuration error, the ServiceCodepage configuration setting has an incorrect value.
<i>Cause</i>	The current ServiceCodePage setting is not allowed.
<i>Action</i>	Change the setting of the "ServiceCodePage" service attribute. If the problem persists, contact DataDirect Technologies technical support.
3081	Accessing a SequeLink service configured with ServiceCodepage = Database requires SequeLink client version 5.4 or higher.
<i>Cause</i>	The connection is using an unsupported version of the SequeLink Client.
<i>Action</i>	Upgrade the SequeLink Client to Version 5.4 or higher. If the problem persists, contact DataDirect Technologies technical support.
3082	Access to datasource is disabled.
<i>Cause</i>	Access to the data source is rejected as specified in DataSourceEnableAccess. Refer to the <i>SequeLink Administrator's Guide</i> for more information on the DataSourceEnableAccess service attribute.
<i>Action</i>	If access is needed, contact your SequeLink administrator to change the "DataSourceEnableAccess" setting.

3084	This system includes a licensed version of DataDirect SequeLink which may run on systems that include up to XX processors. The current system is configured with YY processors. Please contact DataDirect within the next 15 days to upgrade the license.
<i>Cause</i>	The number of processors detected on the current system has been changed.
<i>Action</i>	Contact DataDirect Technologies within the next 15 days to upgrade the license.
3085	The SequeLink features that you've licensed are running in evaluation mode and will expire.
<i>Cause</i>	Some client components are running in evaluation mode and will expire.
<i>Action</i>	Contact DataDirect Technologies to obtain a permanent license.
3101	Error detected while processing an administration request.
<i>Cause</i>	The administration request could not be processed by the SequeLink Server.
<i>Action</i>	Preceding or subsequent messages contain more detailed information.
3102	An invalid argument was detected while processing an administration request.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3103	Unexpected error detected while processing an administration request.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3104	The requested administration function is not implemented on this platform.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3105	Memory allocation failed while processing an administration request.
<i>Cause</i>	A request to the operating system to allocate memory for the SequeLink Server failed.
<i>Action</i>	Free memory resources. If the problem persists, contact DataDirect Technologies technical support.

3106	A collection library function failed while processing an administration request. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3107	An operation on the server configuration file failed. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3108	An operation on the NT registry failed. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3110	Failed to open the server configuration file for reading. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3111	Failed to open the server configuration file for writing. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3112	Failed to open the server configuration file because its syntax is incorrect. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3113	Failed to open the server configuration file because the file does not exist. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3114	Failed to save the server configuration file. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3115	Failed to save the server configuration file because the file backup failed. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.

3116	Failed to attach to the event queue.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3117	Failed to send event to event queue.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3118	Failed to access the event queue.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3119	Failed to send an event because a wait operation timed out.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3120	Failed to process the administration request because the specified handle has not been opened.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3122	Failed to process the administration request because the version of the configuration file is not supported by this version of SequeLink.
<i>Cause</i>	An attempt was detected to open a SequeLink configuration file with a SequeLink version that is incompatible with the current version of the installed SequeLink software.
<i>Action</i>	Use a compatible version of the installed SequeLink software to open the SequeLink configuration file.
3130	Failed to process to remote administration request.
<i>Cause</i>	The administration request could not be processed by the server.
<i>Action</i>	Preceding or subsequent messages contain more detailed information.
3131	The requested entity was not found in the server configuration file.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

3132	The requested attribute was not found in the server configuration file.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3133	The specified attribute ID is not valid.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3134	An unexpected duplicate entity was detected.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3137	[swadm] Failed to open the Service Control Manager.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3138	Failed to open the specified OS service.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3139	Failed to create the specified OS service.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3140	Failed to delete the specified OS service.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3141	Failed to unregister the OS service because it is not stopped.
<i>Cause</i>	An attempt to delete or unregister a service that is still active was detected.
<i>Action</i>	If the SequeLink Manager lists the SequeLink service as inactive, the SequeLink service may be in the process of stopping. Wait for the SequeLink service to stop completely and retry.

3142	Failed to register the specified OS service because the service already exists.
<i>Cause</i>	An attempt was made to register a SequeLink service with a name that was already used by another operating system service.
<i>Action</i>	Make sure the name you choose for your SequeLink service is not being used by another operating system service.
3143	The required primary key attributes were not provided.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3144	Requested operation on the specified OS service failed because a wait operation timed out.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3145	The TCP port for the service could not be registered because it is registered for another network service.
<i>Cause</i>	The SequeLink service is configured to use a TCP/IP port that is registered for another network service on the machine. If the other service is active, it will not be possible to start the SequeLink service.
<i>Action</i>	If you are confident that the network service for which the port was registered will never be active at the same time as the SequeLink service you created, you can continue. If unsure, change the TCP/IP port for the SequeLink service.
3146	The TCP port for the service could not be registered/unregistered because the services file could not be opened.
<i>Cause</i>	The %SystemRoot%\system32\drivers\etc\services file (Windows) or the /etc/services file (UNIX) could not be opened.
<i>Action</i>	Contact your system administrator. If the problem persists, contact DataDirect Technologies technical support.
3147	The TCP port for the service could not be registered/unregistered because the services file could not be accessed.
<i>Cause</i>	A file input/output error was detected while accessing the services file (%SystemRoot%\system32\drivers\etc\services on Windows, or /etc/services on UNIX).
<i>Action</i>	Contact your system administrator. If the problem persists, contact DataDirect Technologies technical support.

3148	Failed to unregister the OS service because it is not a SequeLink Service.
<i>Cause</i>	An attempt to unregister a SequeLink service failed because the SequeLink service name was being used by another operating system service.
<i>Action</i>	Make sure that the name you choose for your SequeLink service is not being used by another operating system service.
3149	The configuration file was changed by someone else.
<i>Cause</i>	The configuration file has been modified by another administrator.
<i>Action</i>	Reload the configuration file and make the changes again.
3150	Failed to process the remote management request.
<i>Cause</i>	The management request could not be processed by the server.
<i>Action</i>	Preceding or subsequent messages contain more detailed information.
3151	Failed to start the specified SequeLink service.
<i>Cause</i>	The SequeLink service did not start.
<i>Action</i>	Examine the service debug log file or service event trace file for more information.
3152	Failed to stop the specified SequeLink service.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3153	Failed to obtain the status of the specified OS Service.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3154	Failed to start the specified service because it is already running.
<i>Cause</i>	An attempt to start a SequeLink service that is already running was detected.
<i>Action</i>	If the SequeLink Manager lists the SequeLink service as inactive, the SequeLink service may be in the process of stopping. Wait for the SequeLink service to stop completely and then retry.

3155	Failed to process the administration request because the required service executable is not found. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3156	Failed to open the Service. The SequeLink Administrator has not enough privileges to start/stop a service. <i>Cause</i> The operating system requires processes that must have administrator privileges for opening the service controller. <i>Action</i> Ask your security administrator to grant sufficient privileges.
3160	Failed to process remote monitoring request. <i>Cause</i> The monitoring request could not be processed by the server. <i>Action</i> Preceding or subsequent messages contain more detailed information.
3161	Failed to process the monitor request because a required counter could not be found in the monitor. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3170	Failed to process the remote query event trace request. <i>Cause</i> The event trace request could not be processed by the server. <i>Action</i> Preceding or subsequent messages contain more detailed information.
3171	Failed to process the query event trace request because the specified handle has not been opened. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3172	Failed to open the event trace. <i>Cause</i> The SequeLink Server was unable to open the event trace file. <i>Action</i> Make sure that the " ServiceEventTraceLocation " service attribute contains a valid event trace file location and that it is accessible. If the problem persists, contact DataDirect Technologies technical support.

3180	Failed to process the profile generator request because the required object could not be found in the profile. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3181	Failed to process the profile generator request because a duplicate object was found in the profile. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3186	Failed to open the Service Control Manager. The SequeLink Administrator has not enough privileges to create/delete a service. <i>Cause</i> The operating system requires processes that must have administrator privileges for starting and deleting services. <i>Action</i> Ask your security administrator to grant sufficient privileges.
3201	Unable to retrieve error message from backend ODBC driver. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3202	Unable to retrieve warning message from backend ODBC driver. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3203	Required user name is missing. <i>Cause</i> The SequeLink service has been configured to require a database user name, but the SequeLink Client did not provide a database user name. <i>Action</i> Make sure that all required connection attributes are specified.
3204	Select statement not allowed in batch processing. <i>Cause</i> A Select statement was detected in a batch of statements. <i>Action</i> Change your application so that Select statements are not included in the batch.

3208	Unable to retrieve the code page from IBM/DB2 UDB.
<i>Cause</i>	The SequeLink server could not retrieve the code page from IBM/DB2 UDB during the connection setup.
<i>Action</i>	Set the " ServiceDebugLogLevel " to debug. Make a new connection and look for the message in the session log file: SWANDB_SPEC_GetDBCodePageSettings : cannot retrieve the DB2 codepage settings (sqlcode=xxx). Contact DataDirect Technologies technical support and provide the codepage setting information.
3209	A connection to a SequeLink service with enhanced code page support can only be established when ServiceCodepage is set to "Database".
<i>Cause</i>	A connection to a SequeLink service with enhanced code page support was executed when the ServiceCodePage service attribute was set to Default or OS.
<i>Action</i>	Check the SequeLink configuration and verify that the " ServiceCodePage " service attribute is set to Database for the service to which you want to connect. If the problem persists, contact DataDirect Technologies technical support.
3210	A connection to a SequeLink service without enhanced code page support can only be established when ServiceCodePage is set to "Default" or "OS".
<i>Cause</i>	A connection to a SequeLink service with enhanced code page support was executed and the ServiceCodePage service attribute is set to Database.
<i>Action</i>	Check the SequeLink configuration and verify that the " ServiceCodePage " service attribute for the service to which you want to connect is set to Default or OS. If the problem persists, contact DataDirect Technologies technical support.
3211	A connection to a SequeLink service, set up with ServiceCodepage = Database, requires at least SequeLink 5.4 client or higher for ODBC, JDBC or ADO.NET.
<i>Cause</i>	A connection to a SequeLink service with enhanced code page support was executed using an unsupported version of the SequeLink Client. The ServiceCodePage=Database setting is supported on SequeLink Clients version 5.4 or higher.
<i>Action</i>	Check the version of the SequeLink ODBC, JDBC, or .NET Client.

3213	CLOB data type in UTF8 is not supported in SequeLink for DB2 UDB.
<i>Cause</i>	DB2 UDB Unicode databases store character-based Large Objects (CLOB) data in UTF-8. SequeLink for DB2 UDB does not support this multi-byte character data type.
<i>Action</i>	Check your application. Remove the references to UTF-8-based CLOB columns or change the references to UCS-2-based DBCLOB columns.
3215	The environment variable LIBPATH has not been set correctly. The JVM cannot be started.
<i>Cause</i>	LIBPATH does not contain the value for the library with the Java Virtual Machine DLL or shared library.
<i>Action</i>	Check LIBPATH to see if it contains the value for the library.
3216	The Java Virtual Machine is started.
<i>Cause</i>	This is an informational message.
<i>Action</i>	None.
3301	Optional feature not implemented.
<i>Cause</i>	A request to change to another catalog was refused. You cannot change to another catalog.
<i>Action</i>	Do not try to change to another catalog.
3302	Unsupported transaction level.
<i>Cause</i>	A request to change to an unsupported transaction level was refused.
<i>Action</i>	Use a supported transaction level.
3303	An invalid Oracle parameter kind is encountered.
<i>Cause</i>	Oracle returned a stored procedure parameter type that is not documented.
<i>Action</i>	Contact DataDirect Technologies technical support.
3304	An incorrect number of parameter markers is encountered in the statement.
<i>Cause</i>	A stored procedure was executed, but the number of parameters did not correspond with the stored procedure definition.
<i>Action</i>	Change the stored procedure statement that executes the stored procedure in your application.

3305	SequeLink does not support CLOB/BLOB parameters as stored procedure parameters.
<i>Cause</i>	A stored procedure was executed, but a CLOB/BLOB parameter was detected.
<i>Action</i>	Change the stored procedure in your application.
3306	Internal error. An invalid OCI handle was passed to the database.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3307	Unexpected XA error.
<i>Cause</i>	An Oracle-specific XA (distributed transaction) call failed.
<i>Action</i>	Contact DataDirect Technologies technical support.
3308	The specified object does not exist.
<i>Cause</i>	A stored procedure was executed for which no definition was found.
<i>Action</i>	Make sure that the stored procedure you execute exists in the database and that you have the privileges to execute the stored procedure.
3309	A filter value is too long.
<i>Cause</i>	The DataSourceSchemaFilterList or DataSourceTableTypeFilterList service attribute contains a value that is too long.
<i>Action</i>	Correct the " DataSourceSchemaFilterList " or " DataSourceTableTypeFilterList " service attribute value.
3310	An Oracle procedure was created with compilation errors.
<i>Cause</i>	An error was detected in the syntax of the statement that created the stored procedure.
<i>Action</i>	Correct the syntax of the statement that created the stored procedure.
3311	A data dictionary statement was called with an invalid parameter value.
<i>Cause</i>	A data dictionary statement (for example, SQLSpecialColumns) was called, but at least one of the parameters had a value that was not valid.
<i>Action</i>	Contact DataDirect Technologies technical support.

3312	SequeLink does not support this data type for stored procedure parameters. <i>Cause</i> A stored procedure was executed, and a data type that SequeLink does not support for stored procedures was detected. <i>Action</i> Change the statement that executes the stored procedure in your application.
3313	Internal error. The specified data source is not found in the SequeLink configuration file. <i>Cause</i> The specified server data source could not be found in the SequeLink configuration file. <i>Action</i> Contact DataDirect Technologies technical support.
3314	Select statement not allowed in batch processing. <i>Cause</i> You cannot execute a Select statement in a batch of statements. <i>Action</i> Change your application so that Select statements are not included in the batch.
3315	A required Oracle user name is missing. <i>Cause</i> The SequeLink service is configured to require a database user name, but a database user name was not provided by the SequeLink Client. <i>Action</i> Specify the database user name when you attempt to connect.
3316	An invalid Oracle SID is specified in the SequeLink configuration file. <i>Cause</i> The SequeLink configuration file specified an invalid Oracle SID. <i>Action</i> Specify an existing, valid Oracle SID.
3317	Internal error. An unsupported action is encountered in a fetch callback routine. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3318	An Oracle DATE value can only be converted to a SequeLink timestamp value. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3319	A SequeLink timestamp value can only be converted to an Oracle DATE value. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.

3320	An Oracle NUMBER value can only be converted to a SequeLink decimal value. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3321	A SequeLink decimal value can only be converted to an Oracle NUMBER value. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3322	A backslash is not a valid value for a searchable input parameter of a data dictionary statement. <i>Cause</i> A searchable input parameter of a data dictionary statement (for example, SQLTables) has a backslash character (\) value that is not followed by another character. <i>Action</i> Change the data dictionary statement in your application to use a valid value for a searchable input parameter.
3323	The precision of a decimal input parameter is out of range. <i>Cause</i> The SequeLink Client sent a decimal input value with a precision that is larger than the maximum allowed Oracle precision. <i>Action</i> Change your application.
3324	The impersonation of the SequeLink Server for Oracle failed. <i>Cause</i> The SequeLink Server is configured in OS integrated mode (DataSourceLogonMethod=OSIntegrated), but the impersonation of the SequeLink Server failed. <i>Action</i> Contact DataDirect Technologies technical support.
3326	Invalid querytimeout value. <i>Cause</i> Only positive values are allowed as querytimeout. <i>Action</i> Specify a valid querytimeout value.
3327	Internal error. An invalid SequeLink decimal parameter value encountered. <i>Cause</i> The SequeLink Client sent a decimal value that is not recognized by the SequeLink Server. <i>Action</i> Contact DataDirect Technologies technical support.

3328	Oracle TIMESTAMP WITH TIME ZONE is not supported by this SequeLink configuration.
<i>Cause</i>	By default, SequeLink does not support the Oracle type Timestamp With Time Zone because there is no corresponding ODBC/JDBC/ADO type to represent this data.
<i>Action</i>	SequeLink implements a workaround to support Timestamp With Time Zone. See the description of " DataSourceORAMapTSWTZ " in the <i>SequeLink Administrator's Guide</i> .
3330	The Oracle datatype XMLTYPE is not supported. Please convert the XMLTYPE to a string or clob.
<i>Cause</i>	SequeLink does not support the Oracle data type XMLTYPE.
<i>Action</i>	Use the Oracle DBMS packages to convert the XMLTYPE to a string or CLOB.
3331	The resultset contains an unsupported Oracle datatype.
<i>Cause</i>	The resultset contains an unsupported data type, resulting in unsupported behavior.
<i>Action</i>	Check the Oracle data types in your resultset. Refer to the <i>SequeLink Developer's Reference</i> for the Oracle data types that SequeLink supports.
3333	Unsupported behavior for this SequeLink Server version.
<i>Cause</i>	Searching a CLOB with a CLOB locator as search argument is not supported.
<i>Action</i>	None.
3401	The database does not support catalogs.
<i>Cause</i>	An attempt was made to use a catalog, but the database does not support catalogs.
<i>Action</i>	Do not try to use a catalog.
3402	The database does not support the change of isolation level.
<i>Cause</i>	An attempt was detected to change the transaction isolation level, but the database does not support changing the isolation level.
<i>Action</i>	Do not try to change the transaction isolation level.

3403	Schema/Owner is not supported in stored procedure calls, SQLProcedures, or SQLProcedureColumns.
<i>Cause</i>	Because DB2 stored procedures do not have schemas, you cannot specify a schema name in procedure-related data dictionary statements.
<i>Action</i>	Change the stored procedures in your application.
3404	Invalid stored procedure name or not authorized to invoke this procedure.
<i>Cause</i>	Either an invalid stored procedure name was specified or you do not have sufficient privileges to invoke the stored procedure.
<i>Action</i>	Make sure that you execute a stored procedure that exists in the database and that you have sufficient privileges to execute it.
3405	No default parameters are allowed in a stored procedure call.
<i>Cause</i>	Default parameters were used when invoking a stored procedure.
<i>Action</i>	Do not use the default parameters when invoking a stored procedure.
3406	Number of parameters mismatch for stored procedure.
<i>Cause</i>	A stored procedure was executed, and the number of parameters did not correspond with the stored procedure definition.
<i>Action</i>	Change the number of parameters specified in your application.
3407	Literals are not supported as stored procedure parameters.
<i>Cause</i>	Literals are used for stored procedure parameters.
<i>Action</i>	Change the stored procedure in your application so that it does not use literals.
3408	Stored procedures can no longer be executed because a SET CURRENT SQLID occurred.
<i>Cause</i>	After issuing a SET CURRENT SQLID, it is no longer possible to execute stored procedures.
<i>Action</i>	Change your application.

3409	The kind (in, out or in/out) of a stored procedure parameter as specified by the SequeLink Client does not match with the stored procedure definition. <i>Cause</i> An invalid type of a stored procedure parameter was specified. <i>Action</i> Change the type of the stored procedure parameter specified in your application.
3410	The stored procedure cannot handle NULL values. <i>Cause</i> A NULL value was specified for a stored procedure parameter. <i>Action</i> Change the value for the stored procedure parameter specified in your application.
3411	Thread to DB2 could not be opened. Either a resource is unavailable or the requested resource (plan) is not known to DB2. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3412	Info about DB2 connection could not be retrieved. <i>Cause</i> The SequeLink Server attempted to retrieve DB2-specific information. <i>Action</i> Check your service debug log file for details about this error.
3413	More result sets have to be returned than defined. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3414	Parameter list contains invalid data type. <i>Cause</i> The parameter list of a stored procedure contains an invalid or unsupported data type. <i>Action</i> Change the stored procedure in your application.
3415	Conversion of a floating point number to a SequeLink decimal has failed. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.

3416	Some bind variables have not been defined.
<i>Cause</i>	Some required parameter markers have not been defined by the application.
<i>Action</i>	Correct your application.
3417	Invalid data type conversion requested.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3418	UIDMap associated with the service not found.
<i>Cause</i>	The specified UID Map could not be located.
<i>Action</i>	Make sure that the name of the UID Map you specify in the MVSServiceUIDMap service attribute is correct. For more information about valid values for SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .
3419	Access denied, user cannot be found in UIDMap.
<i>Cause</i>	The specified user was not found in the UID Map.
<i>Action</i>	Make sure that you have correctly defined the specified user in the UID Map. Also, make sure that you have specified the correct UID Map in the MVSServiceUIDMap service attribute. For more information about valid values for SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .
3420	Select statement not allowed in batch processing.
<i>Cause</i>	You cannot execute a Select statement in a batch of statements.
<i>Action</i>	Change your application so that Select statements are not included in the batch.
3421	The maximum number of concurrent SQL statements is reached.
<i>Cause</i>	Too many statements are open at the same time.
<i>Action</i>	Close some statements before attempting to open a new statement.
3422	Invalid value specified for scope.
<i>Cause</i>	The value for the scope input parameter of SQLSpecialColumns or GetBestRowIdentifier is not valid.
<i>Action</i>	Contact DataDirect Technologies technical support.

3423	Schema name specified too long.
<i>Cause</i>	The schema name parameter of a data dictionary statement was too long.
<i>Action</i>	Change the schema name in your application.
3424	Table name specified too long.
<i>Cause</i>	The table name parameter of a data dictionary statement was too long.
<i>Action</i>	Change the table name parameter in your application.
3425	Filter value specified too long.
<i>Cause</i>	The filter value parameter of a data dictionary statement was too long.
<i>Action</i>	Change the filter value in your application.
3426	Column value specified too long.
<i>Cause</i>	The value of a column you specified was too long.
<i>Action</i>	Change the column value in your application.
3427	No row for parameter in SYSIBM.SYSPARMS.
<i>Cause</i>	SYSIBM.SYSPARMS contains a row for each parameter of a stored procedure. SequeLink could not find a row for at least one of the parameters.
<i>Action</i>	Check your procedure definition. Re-issue the call procedure. If the problem persists, contact DataDirect Technologies technical support.
3428	Procedurename specified too long.
<i>Cause</i>	The length of the unqualified name of a stored procedure cannot exceed 18 characters.
<i>Action</i>	Correct the name of the stored procedure and re-issue the catalog statement.
3429	Procedure parameter name specified too long.
<i>Cause</i>	The length of the name of a stored procedure parameter cannot exceed 18 characters.
<i>Action</i>	Correct the name of the stored procedure parameter and re-issue the catalog statement.

3430	A valid database context could not be found.
<i>Cause</i>	A valid database context could not be found.
<i>Action</i>	Contact DataDirect Technologies technical support.
3431	A database context could not be created.
<i>Cause</i>	A database context could not be created.
<i>Action</i>	A VAID050E message is generated and written to the service debug log. Contact your system administrator.
3432	The database context could not be added to the context pool.
<i>Cause</i>	The database context could not be added to the context pool, because no virtual storage could be obtained.
<i>Action</i>	None.
3433	The database context could not be switched.
<i>Cause</i>	The database context could not be switched.
<i>Action</i>	A VAID050E message is generated and written to the service debug log. Contact your system administrator.
3434	Invalid literal.
<i>Cause</i>	A literal in the stored procedure is invalid.
<i>Action</i>	Make sure that the character literals are enclosed in quotes and that numeric literals have a valid value.
3435	Literal cannot be an output parameter.
<i>Cause</i>	A literal cannot be used as an output parameter.
<i>Action</i>	Use a bind variable for the output parameter and re-issue the call procedure.
3436	Datatype not supported for literals.
<i>Cause</i>	An unsupported data type was used for a literal. The stored procedure could not be executed.
<i>Action</i>	Use a bind variable for the literal and re-issue the call procedure.

3437	Literals and bind variables cannot be mixed.
<i>Cause</i>	A combination of literals and bind variables cannot be used when calling a stored procedure.
<i>Action</i>	Make sure that you use only literals or only bind variables when calling a stored procedure.
3438	The maximum size of a large object output parameter is exceeded.
<i>Cause</i>	A stored procedure was called that returns a LOB output parameter that exceeds the value set by the DataSourceDB2MaxLobSize service attribute for this data source. The data is not returned.
<i>Action</i>	Increase the value of the DataSourceDB2MaxLobSize service attribute or return a smaller LOB output parameter in the stored procedure.
3439	The requested DB2 subsystem is not active.
<i>Cause</i>	The requested DB2 subsystem is not active.
<i>Action</i>	Contact your system administrator to start the DB2 subsystem.
3440	A required service/data source attribute is not found; contact your system administrator.
<i>Cause</i>	A required service or data source attribute could not be found in the configuration file.
<i>Action</i>	A message that identifies the missing attribute is generated and sent to the service debug log. Contact your system administrator.
3441	No Uidmap associated with service, anonymous logon denied.
<i>Cause</i>	The service is not configured correctly. A UIDMap is required to allow anonymous logon, but no UIDMap is associated with the service.
<i>Action</i>	Create a UIDMap and add the MVSServiceUIDMap service attribute to the service.
3442	Uidmap does not contain wildchar entry, anonymous logon denied.
<i>Cause</i>	The UIDMap associated with the service does not contain a wild character entry (*).
<i>Action</i>	Add a wild character entry (*) to the UIDMap associated with the service.

3443	Cannot logon to the database.
<i>Cause</i>	The logon to DB2 failed.
<i>Action</i>	See accompanying messages and the Server VAILOG for the DB2 reason code.
3444	The maximum number of database Threads is reached.
<i>Cause</i>	The Service is exceeding the value set for the ServiceDB2MaxThread service attribute.
<i>Action</i>	Increase the value of the ServiceDB2MaxThread service attribute.
3445	Virtual storage limits exceeded.
<i>Cause</i>	Insufficient storage was available at the server. No more DB2 connections could be accepted.
<i>Action</i>	Try the connection again.
3446	DataSourceTransactionIsolation attribute has an unsupported value.
<i>Cause</i>	The DataSourceTransactionIsolation service attribute is missing.
<i>Action</i>	Ask the administrator to add the "DataSourceTransactionIsolation" service attribute.
3447	Abend occurred due to an internal error in IBM DATABASE 2 (DB2) processing.
<i>Cause</i>	DB2 had been abended and trapped within the session.
<i>Action</i>	Ask the system operator to look for message VAI046 in VAILOG.
3448	This functionality is not supported for this database version.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
3449	Maximum cputime limit has been exceeded, DB2 thread aborted.
<i>Cause</i>	The session has exceed its maximum CPU time as set by the DataSourceMaxCpuTime attribute.
<i>Action</i>	None.

3451	No Mappinglist defined in Uidmap, anonymous logon denied.
<i>Cause</i>	There is no entry in Uidmap containing a wild card that represents any user: <i>*=mapped_user</i> . This entry is used to map anyone to this mapped user for authorization in DB2.
<i>Action</i>	Add an entry for any user in the UID map.
3452	User has no authority to access the requested data source.
<i>Cause</i>	The resource-based authorization has been set up so that you do not have the required authority to access the requested data source.
<i>Action</i>	Contact your SequeLink administrator.
3453	The mapped user failed authentication.
<i>Cause</i>	The mapped user is not defined in your Security Manager or does not have the required privileges to authenticate.
<i>Action</i>	Contact your SequeLink administrator.
3454	The SQL statement length exceeds the value specified in MvsDataSourceMaxStmtLength.
<i>Cause</i>	The SQL statement length exceeds the maximum length defined in the SequeLink configuration of your data source.
<i>Action</i>	Contact your SequeLink administrator.
3501	Unsupported transaction isolation level.
<i>Cause</i>	An attempt was detected to change the transaction isolation level to an isolation level that is unsupported by Informix.
<i>Action</i>	Use a transaction isolation level that is supported by the Informix database.
3502	Internal error. Failed to translate the user specified statement to an Informix-specific format.
<i>Cause</i>	The SequeLink Server SQL Parser could not parse the SQL statement.
<i>Action</i>	Correct the syntax error in the SQL statement that you are trying to prepare or execute.
3503	An Informix DECIMAL value can only be converted to a SequeLink decimal value.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

3504	A SequeLink decimal value can only be converted to an Informix NUMBER value. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3505	Internal error. An unsupported action is encountered in a fetch callback routine. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3506	Numeric value truncated. <i>Cause</i> The precision or scale of a numeric value is larger than Informix expects. <i>Action</i> Make sure the numeric value that you send to Informix corresponds to the columns definition.
3507	An Informix timestamp value can only be converted to a SequeLink timestamp value. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3508	A SequeLink timestamp value can only be converted to an equivalent Informix timestamp value. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3509	Output and Input-Output variables not supported. <i>Cause</i> An attempt was detected to bind Output or Input/Output variables, which are not supported by Informix. <i>Action</i> SequeLink returns Informix return parameters as result sets. Fetch the result sets.
3510	Data source not found. <i>Cause</i> An invalid server data source was specified at connection time. <i>Action</i> Make sure the server data source you want to connect to exists, or use the default server data source.

3511	Get diagnostics failed.
<i>Cause</i>	SequeLink could not obtain the error message text from Informix.
<i>Action</i>	Contact DataDirect Technologies technical support.
3512	Insertion of Smart BLOB failed.
<i>Cause</i>	SequeLink could not insert a smart BLOB (data type BLOB or CLOB).
<i>Action</i>	Make sure that a default sbspace has been created in Informix. Refer to the Informix documentation for information about onconfig.
3513	Set catalog name not supported.
<i>Cause</i>	The application tried to switch the current database during the connection. This is not supported by Informix.
<i>Action</i>	Specify your database at connection time. Do not change databases after connection.
3514	Invalid environment variables during establishing connection to database.
<i>Cause</i>	Either or both of the environment variables INFORMIXDIR or INFORMIXSERVER are not specified correctly in the DataSourceINInformixDir and DataSourceINInformixServer service attributes.
<i>Action</i>	Specify either or both of the INFORMIXDIR or INFORMIXSERVER environment variables in the "DataSourceINInformixDir" and "DataSourceINInformixServer" service attributes.
3515	Database name not specified.
<i>Cause</i>	A connection was attempted without specifying a valid database name.
<i>Action</i>	Check the connection settings and make sure a valid database name is passed to the server.
3516	Stat, ClsDb, Commit, Rollback functions not allowed for execution.
<i>Cause</i>	An attempt was made to execute the native Informix transaction functions.
<i>Action</i>	Use only the SequeLink Client's transaction functions for transaction handling.

3517	Prepared statement is not described by Informix. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3518	Informix function failed while reading smart LOB data. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
3519	Select statements cannot be executed via NImmediate. <i>Cause</i> An attempt was made to execute statements that generate result sets in a batch of JDBC statements. <i>Action</i> Make sure that every statement in a statement batch is a DDL or a statement that generates RowCounts.
4301	Operation Failed. <i>Cause</i> Never generated. <i>Action</i> None.
4302	Error configuring the JDBC DataSource <i>Cause</i> The logWriter writer could not be set because the DataDirect Spy jar file was not on the class path. <i>Action</i> Verify that the spy.jar file is on the class path.
4303	JDBC DataSource not defined. <i>Cause</i> The SequeLink Client for JDBC DataSource object used by the resource adapter was not initialized correctly. <i>Action</i> Contact DataDirect Technologies technical support. The subclasses of JCAManagedConnectionFactory should ensure that a SequeLink Client for JDBC DataSource object is passed to the JCAManagedConnectionFactory constructor. It is an internal resource adapter error if it does not.
4304	The physical connection is invalid. <i>Cause</i> An operation was attempted on a ManagedConnection that has been closed. <i>Action</i> Try the connection using an open ManagedConnection. Do not use a ManagedConnection that has been closed.

4305	Reauthorization of JDBC Connections is not allowed.
<i>Cause</i>	An attempt was made to reuse a ManagedConnection with a user ID and password that is different from the user ID and password used to create the ManagedConnection.
<i>Action</i>	Verify that the user ID and password supplied to the getConnection(String userId, String password) method of a particular ConnectionFactory instance is the same for each invocation.
4306	The supplied connection handle is invalid.
<i>Cause</i>	An attempt was made to associate a ManagedConnection with a connection handle that is not an instance of JCAConnection.
<i>Action</i>	The Connection object passed to ManagedConnection.associateConnection must be an instance of a JCAConnection object.
4307	Error fetching local transaction object.
<i>Cause</i>	Never generated.
<i>Action</i>	None.
4308	Error fetching meta data from resource.
<i>Cause</i>	An error was generated while fetching information needed for the ManagedConnectionMetaData from the JDBC connection used by the resource adapter.
<i>Action</i>	The exception generated by the JDBC connection is chained to this exception. Use the method ResourceException.getLinkedException to retrieve the exception chained to this exception. The message of the chained exception will indicate the cause of the problem.
4309	The object is closed.
<i>Cause</i>	An attempt was made to use a JCAConnection object that has already been closed.
<i>Action</i>	Do not use a JCAConnection object after it has been closed.

4310	The Connection Factory is invalid.
<i>Cause</i>	An attempt was made to use a Connection Factory object that was not initialized correctly.
<i>Action</i>	Contact DataDirect Technologies technical support. A JCAManageConnectionFactory should never create a Connection Factory object that is invalid. It is an internal resource adapter error if it does.
4311	Can not fetch XAResource. Resource adaptor does not support XA Transactions.
<i>Cause</i>	The resource adapter does not support XA Transactions.
<i>Action</i>	Do not use XA Transactions with the resource adapter.
4312	The Managed Connection Factory is invalid.
<i>Cause</i>	A ManagedConnectionFactory was not specified when creating a new ManagedConnection while using the default connection manager included with the resource adapters.
<i>Action</i>	Contact DataDirect Technologies technical support. A JCAConnectionFactory should always specify a valid ManagedConnectionFactory when creating a new ManagedConnection. It is an internal resource adapter error if it does not.
4313	Unsupported Method.
<i>Cause</i>	An attempt to call unlock on a connection handle that does not contain a valid physical connection. A connection handle will not contain a valid physical connection if the connection handle was closed.
<i>Action</i>	Do not call unlock on a connection handle that has been closed.
5001	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5002	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

5003	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5004	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5011	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5012	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5013	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5014	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5015	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5021	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5022	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

5023	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5024	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5031	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5033	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5034	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5043	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5044	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5045	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5046	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

5047	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5052	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5058	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5059	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5060	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5061	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5065	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5067	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5069	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

5070	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5071	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5101	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5102	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5103	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5104	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5105	A memory allocation error occurred.
<i>Cause</i>	SequeLink was unable to allocate the necessary amount of memory.
<i>Action</i>	Increase the available memory for your application.
5106	A memory allocation error occurred.
<i>Cause</i>	SequeLink was unable to allocate the necessary amount of memory.
<i>Action</i>	Increase the available memory for your application.
5107	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

5108	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5109	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5110	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5111	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5112	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5113	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5150	You cannot connect to a server that is not a SequeLink Server.
<i>Cause</i>	An attempt was detected to connect to a server that is not a SequeLink Server.
<i>Action</i>	Make sure that the connection information configured at the SequeLink Client is specified correctly to connect to the SequeLink Server.
5151	A protocol error occurred during the connection setup.
<i>Cause</i>	The SequeLink Client is not compatible with the version of the SequeLink Server to which it is connecting.
<i>Action</i>	Verify that the versions of your SequeLink Client and SequeLink Server are compatible. Contact DataDirect Technologies technical support, if necessary.

5152	You are trying to connect to a server that is not running the correct version of SequeLink Server.
<i>Cause</i>	An attempt was detected to connect to a SequeLink Server running an incompatible version of SequeLink.
<i>Action</i>	Verify that the versions of your SequeLink Client and SequeLink Server are compatible. Contact DataDirect Technologies technical support, if necessary.
5153	The SequeLink Client failed to retrieve the connection parameters from the LDAP server.
<i>Cause</i>	The SequeLink Client failed to retrieve connection information from the LDAP server.
<i>Action</i>	Typically, this error is followed by other errors containing more detailed information. Use these details to troubleshoot the problem.
5154	The TCP/IP host was not specified.
<i>Cause</i>	The TCP/IP host of the SequeLink Server was not specified in the connection information.
<i>Action</i>	Make sure that the connection information configured at the SequeLink Client specifies the TCP/IP host of the SequeLink Server.
5155	The TCP/IP port was not specified.
<i>Cause</i>	The TCP/IP port of the SequeLink Server was not specified in the connection information.
<i>Action</i>	Make sure that the connection information configured at the SequeLink Client specifies the TCP/IP port of the SequeLink Server.
5156	LDAP Distinguished Name is missing.
<i>Cause</i>	The LDAP Distinguished Name that identifies a unique LDAP entry was not specified in the connection information to the LDAP server.
<i>Action</i>	Make sure that the connection information configured at the SequeLink Client specifies the Distinguished Name of the LDAP entry.

5157	The specified LDAP entry didn't specify all required attributes to connect to the SequeLink Server.
<i>Cause</i>	The specified LDAP entry, identified by the Distinguished Name, did not specify all the required attributes to connect to the SequeLink Server.
<i>Action</i>	Check the LDAP entry in the LDAP directory to make sure that the LDAP entry specifies the complete connection information for SequeLink connections. For information about configuring LDAP for SequeLink, refer to the <i>SequeLink Administrator's Guide</i> .
5158	LDAP return code: xxxx (xxxx).
<i>Cause</i>	An LDAP return code was generated by the underlying LDAP implementation. The return code contains parameters that provide more detailed information.
<i>Action</i>	Refer to your LDAP product documentation to reference the return code generated by LDAP.
5159	The initialization of the LDAP client failed. Possible cause: memory allocation failure.
<i>Cause</i>	The initialization of the LDAP client failed. A memory allocation failure may have occurred.
<i>Action</i>	Increase the available memory for your application.
5160	The specified LDAP entry could not be found. Part of the Distinguished Name identifying the entry as "xxxx" was returned.
<i>Cause</i>	The specified LDAP entry, identified by the Distinguished Name, could not be found.
<i>Action</i>	Make sure that you specified a correct LDAP entry Distinguished Name.
5161	Failed to load the LDAP library: xxxx.
<i>Cause</i>	SequeLink Client could not load the specified LDAP shared library.
<i>Action</i>	Check your SequeLink Client installation.
5162	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

5163	LDAP is not supported on this platform.
<i>Cause</i>	The attempted operation is supported only on platforms that support LDAP.
<i>Action</i>	Try the operation on a SequelLink Client running on a platform that supports LDAP.
5164	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5200	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5201	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5202	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5203	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5204	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
5205	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

5206	An internal error occurred. <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
5223	An internal error occurred (SSP_ERR_PROV_INVALIDDIRECTION). <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
5241	An internal error occurred (SSP_ERR_NIMM_INVALIDNUMOFSTMTS). <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
5270	An internal error occurred (SSP_ERR_EXTDEF_INVALIDNUMOFVARS). <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
5290	An internal error occurred (SSP_ERR_FETCH_INVALIDROWCOUNT). <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
5300	Failed to load the transliteration file 'xxxx'. <i>Cause</i> The transliteration file 'xxxx' failed to load. <i>Action</i> Check your SequeLink Client installation.
5301	The transliteration file 'xxxx' is corrupt. <i>Cause</i> The transliteration file 'xxxx' is damaged. <i>Action</i> Check your SequeLink Client installation.
5302	An internal error occurred. <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
5303	Failed to load the transliteration file 'xxxx'. <i>Cause</i> The transliteration file 'xxxx' failed to load. <i>Action</i> Check your SequeLink Client installation.

5304	The transliteration file 'xxxx' is corrupt. <i>Cause</i> The transliteration file 'xxxx' is corrupt. <i>Action</i> Check your SequeLink Client installation.
5305	An internal error occurred. Failed to load XlatTransliterator for ' <i>transliteration table</i> '. <i>Cause</i> The creation of a transliteration table failed. <i>Action</i> Reduce the memory load of the application.
5306	An internal error occurred. Failed to load IcuTransliterator for ' <i>codepage</i> '. <i>Cause</i> The creation of a transliteration code page handled by the ICU failed. <i>Action</i> Check the validity of the indicated code pages or encodings.
5320	An internal error occurred (SSP_ERR_DEFDESC_INVALIDNUM). <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
5321	An internal error occurred (SSP_ERR_DEFDESC_MULTIPLE). <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
5330	An internal error occurred (SSP_ERR_GETDESC_INVALIDIDX). <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
5331	An internal error occurred (SSP_ERR_GETDESC_NODEFDESC). <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
5340	An internal error occurred (SSP_ERR_DOCONNECT_ACTIVE). <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.

5350	An authentication mechanism could not be successfully negotiated.
<i>Cause</i>	The SequeLink Server did not specify an authentication mechanism supported by the SequeLink Client.
<i>Action</i>	Make sure that the SequeLink Server specifies an authentication mechanism supported by the SequeLink Client. Refer to the <i>SequeLink Administrator's Guide</i> for information on configuring authentication.
5501	Memory allocation failure.
<i>Cause</i>	The requested amount of memory could not be allocated.
<i>Action</i>	Free memory resources. If the problem persists, contact DataDirect Technologies technical support.
5502	Failed to initialize SequeLink Manager.
<i>Cause</i>	The SequeLink Manager could not be initialized.
<i>Action</i>	Contact DataDirect Technologies technical support.
5503	Internal SequeLink Manager error detected (I=xxxxd).
<i>Cause</i>	An internal error occurred in the SequeLink Manager.
<i>Action</i>	Contact DataDirect Technologies technical support.
5504	Unknown command <name> entered.
<i>Cause</i>	An incorrect SequeLink Manager command was entered.
<i>Action</i>	Check the SequeLink Manager command help to verify the command.
5505	Specified argument not valid for the given command.
<i>Cause</i>	An incorrect parameter for a SequeLink Manager command was entered.
<i>Action</i>	Check the SequeLink Manager command help to verify the command parameter.
5506	Failed to open file <file name>.
<i>Cause</i>	The specified file could not be opened.
<i>Action</i>	Make sure that the specified file exists. If it does, make sure that you have sufficient privileges to open and read the file.

5507	Argument out of range.
<i>Cause</i>	A parameter for a SequeLink Manager command was too long.
<i>Action</i>	Check the SequeLink Manager command help to verify the command parameter.
5508	Required parameter <i><name></i> for command not specified.
<i>Cause</i>	A required parameter for the SequeLink Manager command was not specified.
<i>Action</i>	Check the SequeLink Manager command help to verify the required parameters for the command.
5509	Command not available for current configuration.
<i>Cause</i>	The SequeLink Manager command entered is not supported for the current configuration.
<i>Action</i>	Check the SequeLink Manager command help to verify the command.
5510	Failed to display help item.
<i>Cause</i>	SequeLink Manager help could not be displayed for the specified command. This is an internal error.
<i>Action</i>	Contact DataDirect Technologies technical support.
5511	No configuration opened.
<i>Cause</i>	A SequeLink Manager command was entered that required an open configuration.
<i>Action</i>	Check the SequeLink Manager command help to verify the command.
5513	Numeric value for parameter required.
<i>Cause</i>	A parameter for the specified SequeLink Manager command required a numeric value.
<i>Action</i>	Check the SequeLink Manager command help to verify the parameters for the command.

5514	An invalid service template ID was specified.
<i>Cause</i>	An invalid SequeLink service template ID was specified.
<i>Action</i>	Make sure that you specify the correct SequeLink service template ID. For more information about template IDs, refer to the <i>SequeLink Administrator's Guide</i> .
5515	Invalid option <name>.
<i>Cause</i>	An invalid option for the specified SequeLink Manager command was supplied.
<i>Action</i>	Check the SequeLink Manager command help to verify the specified command.
5516	Invalid value for option <name>.
<i>Cause</i>	An invalid value for the specified SequeLink Manager command option was supplied.
<i>Action</i>	Check the SequeLink Manager command help to verify the command.
5517	Help topic not found.
<i>Cause</i>	The topic specified with the SequeLink Manager help command could not be found.
<i>Action</i>	Specify help without arguments to see the topics for which help is available.
5518	Invalid attribute index syntax.
<i>Cause</i>	The attribute array index specified with the attribute name has an incorrect syntax. The correct syntax for an attribute array index is, for example, AttributeName[25].
<i>Action</i>	Correct the syntax.
5519	Invalid log level <name>.
<i>Cause</i>	The log level name in a SequeLink Manager command that was entered was invalid.
<i>Action</i>	Check the SequeLink Manager command help to verify log level names.

5520	Invalid log value <name>.
<i>Cause</i>	The value specified with the log level name in a SequeLink Manager command that was entered was invalid.
<i>Action</i>	Check the SequeLink Manager command help to verify log level values.

5522	Invalid numeric value <value>.
<i>Cause</i>	A value was specified in a SequeLink Manager command that could not be converted to a numeric value.
<i>Action</i>	Specify a valid numeric value for the SequeLink Manager command.

5523	AutoSave option is already activated.
<i>Cause</i>	The SequeLink Manager command SaveConfig was issued when the AutoSave setting was activated.
<i>Action</i>	None. This message is informational only.

5524	Quote mismatch.
<i>Cause</i>	Syntax error. No closing quote was typed.
<i>Action</i>	Correct the syntax.

5525	System execution returned a non-zero return code (return code <value>).
<i>Cause</i>	An application or operating system command failed. The operating system command specified with the '!' command returned a non-zero return code.
<i>Action</i>	Refer to the command's documentation, typically the operating system command documentation, for more information.

5526	Failed to open a pipe to <application>.
Cause	A pipe to the specified application could not be opened.
Action	Make sure that MoreExecPath is configured correctly. The following example is for HP-UX. Your path to the more command may be different, depending on the version of Linux or UNIX you are using. <div><div>1</div>Stop your SequeLink services.</div> <div><div>2</div>Add the following lines to your swcla.ini file: [CLA Settings] MoreExePath=/usr/bin/more</div> <div><div>3</div>Restart your SequeLink services.</div>
5527	When handling commands interactive, no output or error file can be specified.
Cause	An output or error file was specified on the command line, but no input file was specified.
Action	Correct the command line by adding the input file option or by removing the output or error file option.
5528	Invalid flag <name>.
Cause	An invalid command-line flag was specified.
Action	Specify a valid command-line flag.
5529	Invalid profile level <name>.
Cause	An invalid profile level in a SequeLink Manager command was specified.
Action	Check the SequeLink Manager command help to verify profile levels.
5530	Invalid name or ID <value> for profile level <name>.
Cause	An invalid profile name or ID for the specified profile level in a SequeLink Manager command was supplied.
Action	Check the SequeLink Manager command help to verify profile levels and their names or IDs.

5531	Too many parameters specified.	
	<i>Cause</i>	Too many arguments were provided with a SequeLink Manager command.
	<i>Action</i>	Make sure that the SequeLink Manager command provides the correct number of parameters.
5532	An attribute index must be specified for this attribute.	
	<i>Cause</i>	When deleting or replacing an array attribute with a SequeLink Manager command, an index must always be specified.
	<i>Action</i>	Make sure that an index is specified and the syntax is correct.
5533	Specified attribute is no array attribute.	
	<i>Cause</i>	An index was provided in a SequeLink Manager command with an attribute that is not an array attribute.
	<i>Action</i>	Make sure that no index is specified and the syntax is correct.
6000	Error loading error messages.	
	<i>Cause</i>	An unexpected error occurred while loading the error messages.
	<i>Action</i>	Contact DataDirect Technologies technical support.
6001	{0}	
	<i>Cause</i>	Generic error occurred. At runtime, an error message from the JDK will be displayed.
	<i>Action</i>	Check the error message {0} for the appropriate action.
6002	Specified parameter values not supported for method: {0}	
	<i>Cause</i>	The parameters specified for method {0} contain invalid values.
	<i>Action</i>	Check your JDBC application.
6003	Unsupported method: {0}	
	<i>Cause</i>	The method {0} is not supported by this version of the JDBC driver.
	<i>Action</i>	Verify the method {0} in your JDBC application.
6004	Invalid operation for the current cursor position.	
	<i>Cause</i>	This method invocation is only valid when the result set has a current row.
	<i>Action</i>	Check your JDBC application.

6005	Invalid column name: {0}
<i>Cause</i>	The specified column {0} was not found. An invalid column name was specified.
<i>Action</i>	Check your JDBC application.
6006	Column index {0} is out of range.
<i>Cause</i>	Your JDBC application specified a column index {0} that is out of bounds.
<i>Action</i>	Check your JDBC application.
6007	ResultSet can not re-read row data for column {0}.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6008	Unsupported data conversion.
<i>Cause</i>	The requested data conversion is not supported by this version of the JDBC driver.
<i>Action</i>	Verify the requested conversion in your JDBC application.
6009	Object has been closed.
<i>Cause</i>	Object is closed. The JDBC application used an illegal method on a closed object.
<i>Action</i>	Correct your JDBC application.
6010	Invalid parameter binding(s).
<i>Cause</i>	The parameter must be registered prior to getXXX().
<i>Action</i>	Correct your JDBC application.
6011	Invalid call Statement method: {0}
<i>Cause</i>	The methods on Statement that have a SQL statement as parameter, like execute(sql) and addBatch(sql), are not supported on PreparedStatement.
<i>Action</i>	Check your JDBC application.
6012	No ResultSet set was produced.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

6013	No rows affected.
<i>Cause</i>	The statement did not generate a row count. <code>executeUpdate()</code> cannot be used on a statement that returns a result set.
<i>Action</i>	Correct your JDBC application.
6014	Invalid operation. Statement not in an executed state.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6017	Unexpected internal error.
<i>Cause</i>	An unexpected internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6018	Invalid SQL specified.
<i>Cause</i>	The specified SQL statement is not valid.
<i>Action</i>	Correct your JDBC application.
6019	Method not valid for read-only ResultSet : {0}
<i>Cause</i>	The method {0} can only be called on an updatable result set.
<i>Action</i>	Correct your JDBC application.
6020	Method not valid for TYPE_FORWARD_ONLY ResultSet : {0}.
<i>Cause</i>	The method {0} can only be called on a scrollable result set.
<i>Action</i>	Correct your JDBC application.
6021	Can't start a cloned connection while in manual transaction mode.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6022	The specified SQL type is not supported by this driver.
<i>Cause</i>	Your application uses a SQL type that is not supported by this driver.
<i>Action</i>	Check your JDBC application.
6023	Cannot obtain a connection to perform the operation.
<i>Cause</i>	The maximum number of statements are in use.
<i>Action</i>	Check your JDBC application.

6024	Value can not be converted to requested type.
<i>Cause</i>	The data type conversion for the specified column failed.
<i>Action</i>	Correct your JDBC application.
6025	Object has been closed.
<i>Cause</i>	Object is closed. The JDBC application used an illegal method on a closed object.
<i>Action</i>	Correct your JDBC application.
6026	Can't start manual transaction mode because there are cloned connections.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6027	Not in local manual transaction mode.
<i>Cause</i>	The application called a method that can only be used in manual transaction mode.
<i>Action</i>	Correct your JDBC application.
6029	Unable to connect. DataSource property {0} must be specified.
<i>Cause</i>	Insufficient information to connect was supplied. Missing parameters are: {0}.
<i>Action</i>	Make sure that you specify all required connection properties. For more information about all possible connection properties, refer to the <i>SequeLink Administrator's Guide</i> .
6030	Unable to connect. Invalid URL.
<i>Cause</i>	Insufficient information to connect was supplied. Missing parameters are: {0}.
<i>Action</i>	Make sure that you specify the connection URL completely. For information about the syntax of the connection URL, refer to the <i>SequeLink Administrator's Guide</i> .
6031	The input stream contained a different number of bytes than specified.
<i>Cause</i>	The application requested more bytes than available in the input stream.
<i>Action</i>	Check your JDBC application.

6032	The hexadecimal string is invalid.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6033	Unable to determine the type of the specified object.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6036	Syntax error at token {0}, line {1} offset {2}.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6037	Unexpected end of escape.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6038	Error setting up static cursor cache.
<i>Cause</i>	An unexpected error occurred while setting up the static cursor cache.
<i>Action</i>	Obtain the next exception for more information. If necessary, contact DataDirect Technologies technical support.
6039	Error writing data to static cursor cache.
<i>Cause</i>	An unexpected error occurred while writing to the static cursor cache set up.
<i>Action</i>	Obtain the next exception for more information. If necessary, contact DataDirect Technologies technical support.
6040	Error reading data from static cursor cache.
<i>Cause</i>	An unexpected error occurred while writing to the static cursor cache set up.
<i>Action</i>	Obtain the next exception for more information. If necessary, contact DataDirect Technologies technical support.

6041	0 is not a valid row parameter value for the <code>ResultSet.Absolute</code> method.
<i>Cause</i>	0 is not a valid value for the row parameter of the method <code>ResultSet.Absolute</code> .
<i>Action</i>	Correct your application.
6042	Invalid call to <code>ResultSet.Relative</code> because there is no current row.
<i>Cause</i>	This method invocation is only valid when the result set has a current row.
<i>Action</i>	Check your JDBC application.
6043	An I/O error while manipulating the sort index.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6044	The evaluation period for this driver has expired. Contact DataDirect Technologies SupportLink to purchase a valid license.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6045	A table name must be supplied.
<i>Cause</i>	The application did not specify a table name for the <code>DatabaseMetaData.getIndexInfo</code> method.
<i>Action</i>	Correct your application.
6046	Scrolling request was downgraded.
<i>Cause</i>	The result set type was downgraded.
<i>Action</i>	Refer to the <i>SequeLink Developer's Reference</i> for information about restrictions on scrollable cursors.
6047	Updateable concurrency not supported, downgraded to readonly concurrency.
<i>Cause</i>	The result set concurrency was downgraded.
<i>Action</i>	Refer to the <i>SequeLink Developer's Reference</i> for information about restrictions on updatable cursors.
6048	Pooled connection reclamation not supported.
<i>Cause</i>	The JDBC driver does not support reclaiming open connections.
<i>Action</i>	Check your JDBC application.

6049	Login has timed out.
	<i>Cause</i> A timeout expired.
	<i>Action</i> Verify that the Sequelink Server is running and that you have specified the correct network address of the host. If your configuration is correct, increase the connection timeout value.
6050	This driver is locked for use with embedded applications.
	<i>Cause</i> An unexpected error occurred.
	<i>Action</i> Contact DataDirect Technologies technical support.
6052	There was an error(s) in processing the batch command. Use getNextException() for details.
	<i>Cause</i> An unexpected error occurred.
	<i>Action</i> Contact DataDirect Technologies technical support.
6053	Statements that produce result sets are not allowed in batch commands.
	<i>Cause</i> An unexpected error occurred.
	<i>Action</i> Contact DataDirect Technologies technical support.
6054	ResultSet is not updateable.
	<i>Cause</i> The application issued a method on a read only result set that can only be called on an updatable result set.
	<i>Action</i> Check your JDBC application.
6055	Can not update, the specified column is not writable.
	<i>Cause</i> The application tried to update a read only column.
	<i>Action</i> Check your JDBC application.
6056	Row update actually caused {0} rows to be updated.
	<i>Cause</i> ResultSet.updateRow updated more than one row.
	<i>Action</i> Make sure that your application selects the primary key of the table.
6057	Row update failed.
	<i>Cause</i> An exception occurred while updating the ResultSet.
	<i>Action</i> Obtain the next exception for more information. If necessary, contact DataDirect Technologies technical support.

6058	Invalid operation while positioned on the insert row. <i>Cause</i> The application called a method {0} that cannot be called while positioned on the insert row. <i>Action</i> Correct your JDBC application.
6059	Row delete actually caused {0} rows to be deleted. <i>Cause</i> ResultSet.deleteRow updated more than one row. <i>Action</i> Make sure that your application selects the primary key of the table.
6060	Row delete failed. <i>Cause</i> An exception occurred while deleting a row from the ResultSet. <i>Action</i> Obtain the next exception for more information. If necessary, contact DataDirect Technologies technical support.
6061	Must be on the insert row to insert. <i>Cause</i> This method invocation is only valid when the cursor is positioned on the insert row. <i>Action</i> Check your JDBC application.
6062	Row insert failed. <i>Cause</i> An exception occurred while inserting a row into the ResultSet. <i>Action</i> Obtain the next exception for more information. If necessary, contact DataDirect Technologies technical support.
6063	Error closing Blob or Clob object. <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
6064	The search pattern specified is too large. <i>Cause</i> The search pattern used is too large. <i>Action</i> Try to reduce the size of the search pattern if possible.
6065	The buffer supplied is too small. <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.

6066	The size of the Blob is too big to be cached.
<i>Cause</i>	The size of the Blob is too large to be cached.
<i>Action</i>	If possible, try to reduce the size of the Blob.
6068	Can't search Blobs larger than 2 GB.
<i>Cause</i>	The size of the Blob is too large to be searched.
<i>Action</i>	If possible, try to reduce the size of the Blob.
6069	One or more arguments supplied to method {0} are invalid.
<i>Cause</i>	The parameters specified for method {0} contain invalid values.
<i>Action</i>	Check your JDBC application.
6070	Invalid character encoding for Clob.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6071	Invalid position. The Clob data uses UCS2 character encoding and current position is odd.
<i>Cause</i>	This Clob data uses UCS-2 character encoding so the position cannot be an odd value.
<i>Action</i>	Check your JDBC application.
6072	Can't set autocommit to true during global transaction.
<i>Cause</i>	You cannot set Autocommit to On for global transactions.
<i>Action</i>	Check your JDBC application.
6073	Can't commit using XAConnection during global transaction.
<i>Cause</i>	You cannot call commit during a global transaction.
<i>Action</i>	Check your JDBC application.
6074	Can't rollback using XAConnection during global transaction.
<i>Cause</i>	You cannot call rollback during a global transaction.
<i>Action</i>	Check your JDBC application.

6076	Cannot insert an empty row into this ResultSet.
<i>Cause</i>	Your database does not support inserting an empty row into a result set.
<i>Action</i>	Check your JDBC application.
6077	The position specified is past the end of the BLOB or CLOB.
<i>Cause</i>	One of the specified parameters contains an invalid value.
<i>Action</i>	Check your JDBC application.
6078	The operation was cancelled at the user's request.
<i>Cause</i>	The user cancelled the execute on another thread.
<i>Action</i>	None.
6079	All of the data supplied could not be written.
<i>Cause</i>	One of the specified parameters contains an invalid value.
<i>Action</i>	Check your JDBC application.
6080	The specified Savepoint does not have a numeric ID.
<i>Cause</i>	This Savepoint does not have a numeric ID.
<i>Action</i>	Check your JDBC application.
6081	The specified Savepoint is un-named.
<i>Cause</i>	This Savepoint does not have a name.
<i>Action</i>	Check your JDBC application.
6082	The specified Savepoint is invalid.
<i>Cause</i>	The application specified an invalid Savepoint.
<i>Action</i>	Check your JDBC application.
6083	Discarded ResultSet during executeUpdate.
<i>Cause</i>	The application used executeUpdate for a SQLStatement that also returns Result Sets.
<i>Action</i>	Check your JDBC application if you really want to discard the result sets. Otherwise, modify your application so that it uses 'execute' instead of 'executeUpdate'.

6084	Discarded rows affected count during executeQuery.
<i>Cause</i>	The application used executeQuery for a SQLStatement that also returns update counts.
<i>Action</i>	Check your JDBC application if you really want to discard the update counts. Otherwise, modify your application so that it uses 'execute' instead of 'executeUpdate'.
6085	Execution timeout expired.
<i>Cause</i>	A timeout expired.
<i>Action</i>	Check the SQL statement used by your application. If it is correct, increase the query timeout value.
6086	Can't set a savepoint during global transaction.
<i>Cause</i>	You cannot set a savepoint during global transactions.
<i>Action</i>	Check your JDBC application.
6087	Can't release a savepoint during global transaction.
<i>Cause</i>	You cannot release a savepoint during global transactions.
<i>Action</i>	Check your JDBC application.
6088	The requested parameter metadata is not available for the current statement.
<i>Cause</i>	The requested parameter metadata is not available.
<i>Action</i>	Check your JDBC application.
6089	On a deleted row. Can not perform operation.
<i>Cause</i>	The method invocation is only valid if not positioned on a deleted row.
<i>Action</i>	Check your JDBC application.
6501	A required input parameter could not be read.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6502	A required output parameter could not be written.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

6503	A parameter was malformed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6504	An unsupported mechanism was requested.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6505	An invalid name was supplied.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6506	A supplied name was of an unsupported type.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6507	Incorrect channel bindings were supplied.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6508	An invalid status code was supplied.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6509	A token had an invalid signature.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6510	No credentials were supplied.
<i>Cause</i>	An error occurred during OSLogon processing because the client application did not provide a user name or password, and the application disabled prompting for this information.
<i>Action</i>	Make sure the connection information provided by the application contains all required attributes.

6511	No context has been established.
	<i>Cause</i> An internal error occurred.
	<i>Action</i> Contact DataDirect Technologies technical support.
6512	A token was invalid.
	<i>Cause</i> An internal error occurred.
	<i>Action</i> Contact DataDirect Technologies technical support.
6513	A credential was invalid.
	<i>Cause</i> An internal error occurred.
	<i>Action</i> Contact DataDirect Technologies technical support.
6514	The referenced credentials have expired.
	<i>Cause</i> An error occurred during authentication processing because the password for the specified user has expired.
	<i>Action</i> Update the password on the server host.
6515	The context has expired.
	<i>Cause</i> An internal error occurred.
	<i>Action</i> Contact DataDirect Technologies technical support.
6516	A generic error occurred. Minor MGS state is xxxx.
	<i>Cause</i> An error occurred during authentication processing. The accompanying error message indicates the exact nature of the problem; for example, "User not found" or "Invalid password provided."
	<i>Message</i> No access to requested information.
	<i>Cause</i> The server process has insufficient privileges or permission for the authenticating operation.
	<i>Action</i> Check the server privileges and permissions. The server must be started with root access on Linux or UNIX, or as a SYSTEM service on Windows.
	<i>Message</i> Attribute not supported on this platform.
	<i>Cause</i> An internal error occurred.
	<i>Action</i> Contact DataDirect Technologies technical support.

<i>Message</i>	Get/set attribute failed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
<i>Message</i>	Problems with user context.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
<i>Message</i>	The name provided is not a properly formed domain name.
<i>Cause</i>	The maximum length allowed for a domain name is 15 characters.
<i>Action</i>	Make sure that the logon information provided by your client application is correct.
<i>Message</i>	The name provided is not a properly formed account name.
<i>Cause</i>	The user name is too long.
<i>Action</i>	Make sure that the logon information provided by your client application is correct.
<i>Message</i>	Invalid password.
<i>Cause</i>	The password is incorrect.
<i>Action</i>	Make sure that the logon information is correct. If the password is case-sensitive, check whether Caps Lock is turned on.
<i>Message</i>	No data to enumerate.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
<i>Message</i>	No authorization.
<i>Cause</i>	The terminal or application Id was not allowed by RACF security system.
<i>Action</i>	Refer to the <i>DataDirect SequeLink Administrator's Guide</i> for information about configuring SequeLink Security for z/OS and activating terminal security.

<i>Message</i>	Account locked or disabled.
<i>Cause</i>	Your account has been locked out or disabled by the security administrator.
<i>Action</i>	Contact your RACF security administrator.
<i>Message</i>	User account locked during this time of the day.
<i>Cause</i>	This user account can be used only during specified times of the day.
<i>Action</i>	Contact your security administrator.
<i>Message</i>	User account expired.
<i>Cause</i>	The user account has been expired.
<i>Action</i>	Contact your security administrator.
<i>Message</i>	User not found.
<i>Cause</i>	Invalid user information was supplied.
<i>Action</i>	Make sure that the logon information provided by your client application is correct.
<i>Message</i>	User not found or invalid password provided.
<i>Cause</i>	An invalid user or password was supplied.
<i>Action</i>	Make sure that the logon information provided by your client application is correct.
<i>Message</i>	User must change password.
<i>Cause</i>	The password must be changed.
<i>Action</i>	Change the password. Contact your security administrator for the security rules that apply to passwords.
<i>Message</i>	Process must have SE_TCB_NAME privilege.
<i>Cause</i>	The SequeLink Server is running on Windows with an account missing the SE_TCB_NAME ("Act As Part of the Operating System") privilege.
<i>Action</i>	Contact your security administrator.
<i>Message</i>	Buffer supplied not large enough.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

<i>Message</i>	New password does not conform to system requirements.
<i>Cause</i>	The new password does not conform to security rules.
<i>Action</i>	Choose another password. Contact your security administrator for the security rules that apply to passwords.
<i>Message</i>	Internal error occurred.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
<i>Message</i>	netapi32.dll not found, or module not supported.
<i>Cause</i>	The required module was not found.
<i>Action</i>	Contact DataDirect Technologies technical support.
<i>Message</i>	User account revoked.
<i>Cause</i>	The user is not allowed to access the system.
<i>Action</i>	Contact your security administrator.
<i>Message</i>	SAFR_TICKETSERV service failure.
<i>Cause</i>	z/OS callable service R_TICKETSERV failed.
<i>Action</i>	Contact your z/OS system administrator to look for message VAIL114E in the server's VAILOG.
<i>Message</i>	SAFR_USERMAP service failure.
<i>Cause</i>	z/OS callable service R_USERMAP failed.
<i>Action</i>	Contact your z/OS system administrator to look for message VAIL114E in the server's VAILOG.
<i>Message</i>	Authorization call failure.
<i>Cause</i>	An authorization call failed with an unexpected error code.
<i>Action</i>	Contact DataDirect Technologies technical support.
<i>Message</i>	Pluggable Authentication Module failure.
<i>Cause</i>	A Pluggable Authentication Module (PAM) error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

	<p>Message SEC_E_TARGET_UNKNOWN : The specified target is unknown or unreachable.</p> <p>Cause The Kerberos service principal was not found in the KDC.</p> <p>Action Verify that the Kerberos service principal used in the server ServiceKerberosPrincipalName attribute exists in the Kerberos database. Refer to the <i>SequeLink Administrator's Guide</i> for information about the "ServiceKerberosPrincipalName" service attribute.</p>
	<p>Message SEC_E_INTERNAL_ERROR : The Local Security Authority cannot be contacted.</p> <p>Cause An error occurred that did not map to an SSPI error code.</p> <p>Action Contact DataDirect Technologies technical support.</p>
	<p>Message SEC_E_NO_AUTHENTICATING_AUTHORITY : No authority could be contacted for authentication.</p> <p>Cause No authority could be contacted for authentication.</p> <p>Action The domain name of the authenticating party could be wrong, the domain could be unreachable, or a trust relationship failure might have occurred.</p>
	<p>Message No principal in keytab matches desired name.</p> <p>Cause The Kerberos service principal used by the server was found in the KDC, but its secret key was not added to the keytab file on the server system.</p> <p>Action The system administrator should export the secret key of the service principal and add this key to the keytab file.</p>
	<p>Message A generic error occurred. Minor MGGS state is xxxx.</p> <p>Cause An error occurred during authentication processing. The accompanying error message indicates the exact nature of the problem.</p> <p>Action Contact DataDirect Technologies technical support.</p>
6517	<p>The quality-of-protection requested could not be provided.</p> <p>Cause An internal error occurred.</p> <p>Action Contact DataDirect Technologies technical support.</p>

6518	The operation is forbidden by local security policy.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6519	The operation or option is unavailable.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6520	The requested credential element already exists.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6521	The provided name was not a mechanism name.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6522	Failed to load MGSS mechanism.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6523	Memory allocation failed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6524	Context call failed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6525	Prompt for authentication information aborted by user.
<i>Cause</i>	An error occurred during authentication processing because the user cancelled from the dialog box prompting for authentication information (user name and user password).
<i>Action</i>	None.

6526	MGSS module version mismatch.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6527	MGSS module returned an unknown major status code.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6801	Name given to entity instance is longer than 8 characters.
<i>Cause</i>	An error occurred during the startup of the SequeLink Server because the service name assigned to a SequeLink service or DB2 Interface was longer than 8 characters.
<i>Action</i>	Make sure that the service name of the SequeLink service or DB2 interface does not exceed 8 characters. Change the configuration of the SequeLink service or DB2 interface, if necessary. Then, restart the SequeLink Server.
6802	No unique agent service found.
<i>Cause</i>	An error occurred during the startup of the SequeLink Server because a SequeLink Agent service was not created for the SequeLink Server or more than one SequeLink Agent service had been created for the SequeLink Server. The SequeLink Server will not start.
<i>Action</i>	Create the missing SequeLink Agent service or delete any duplicate SequeLink Agent services in the SequeLink Server configuration.
6803	Name given to the agent service is longer than 8 characters.
<i>Cause</i>	An error occurred during the startup of the SequeLink Server because the name of a z/OS SequeLink Agent service was longer than 8 characters. The SequeLink Server will not start.
<i>Action</i>	Change the name of the z/OS SequeLink Agent service to be 8 characters or less. Then, restart the SequeLink Server.
6851	Memory allocation failure.
<i>Cause</i>	The requested amount of memory could not be allocated.
<i>Action</i>	Free memory resources. If the problem persists, contact DataDirect Technologies technical support.

6852	Internal SequeLink Administration error detected (I=<number>).
<i>Cause</i>	An internal error occurred in the SequeLink Manager.
<i>Action</i>	Contact DataDirect Technologies technical support.
6853	Failed to access configuration at <string>.
<i>Cause</i>	SequeLink failed to open the SequeLink configuration file because an invalid connection string to a SequeLink Agent was specified or an invalid path to a SequeLink configuration file was specified.
<i>Action</i>	Re-attempt to open the SequeLink configuration with a correct connection string or a correct path.
6854	Failed to cache configuration information.
<i>Cause</i>	An error occurred while caching configuration information from a SequeLink Agent or from a SequeLink configuration file.
<i>Action</i>	Contact DataDirect Technologies technical support.
6855	Invalid attribute ID <id>.
<i>Cause</i>	An invalid service attribute ID was specified.
<i>Action</i>	Specify a valid ID for the service attribute. For more information about specifying SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .
6856	Value for attribute <ID or name> is no numeric value.
<i>Cause</i>	The service attribute value specified requires a numeric value.
<i>Action</i>	Specify a numeric value for the service attribute value. For more information about specifying SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .
6858	Specified value <attribute value> for attribute <name or ID> is not valid. Values between <lower limit> and <upper limit> are valid.
<i>Cause</i>	The specified service attribute value was invalid.
<i>Action</i>	Specify the service attribute value, using a numeric value between <lower limit> and <upper limit>.
6859	Specified value <attribute value> for attribute <ID or name> is not valid.
<i>Cause</i>	The specified service attribute value was invalid.
<i>Action</i>	Specify a valid value for the service attribute.

6861	Invalid values for boolean attribute <ID or name>.
<i>Cause</i>	The specified service attribute value is not a valid boolean value.
<i>Action</i>	Specify a valid value for the service attribute.
6862	Length of string attribute <ID or name> cannot be larger than <length> characters.
<i>Cause</i>	The specified service attribute value cannot exceed the maximum string length allowed.
<i>Action</i>	Specify a valid value for the service attribute.
6863	Attribute type not supported.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
6864	Unable to determine local host name.
<i>Cause</i>	SequeLink was unable to determine the name of the local host.
<i>Action</i>	Contact DataDirect Technologies technical support.
6865	Invalid service name <service name>.
<i>Cause</i>	An invalid SequeLink service name was specified.
<i>Action</i>	Specify a valid SequeLink service name. Remember that service names are case sensitive.
6866	Invalid service template ID.
<i>Cause</i>	An invalid SequeLink service template ID was specified.
<i>Action</i>	Specify a valid SequeLink service template ID. For more information about template IDs, refer to the <i>SequeLink Administrator's Guide</i> .
6867	Only one agent service may be created.
<i>Cause</i>	An attempt was made to create a duplicate SequeLink Agent service.
<i>Action</i>	None.
6868	Service <service name> is still active.
<i>Cause</i>	An attempt was made to delete a SequeLink service that was still running.
<i>Action</i>	Stop the SequeLink service before you delete it.

6869	Failed to check if service <i><service name></i> is still active.
<i>Cause</i>	SequeLink could not check if the SequeLink service was active. The SequeLink service may have been experiencing heavy traffic or may have been in an incorrect state.
<i>Action</i>	Re-check the status of the SequeLink service. If the problem persists, contact DataDirect Technologies technical support.
6870	Attribute <i><ID or name></i> is not valid <i><object></i> attribute.
<i>Cause</i>	The specified attribute is not valid for the SequeLink service or server data source.
<i>Action</i>	Specify a valid attribute for the SequeLink service or server data source. For more information about specifying SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .
6871	Attribute <i><ID or name></i> may be added only once.
<i>Cause</i>	An attempt to add an attribute that already existed in the SequeLink service or server data source configuration was detected.
<i>Action</i>	None.
6872	Attribute <i><ID or name></i> is a primary key.
<i>Cause</i>	The specified attribute is required by the SequeLink service or server data source and cannot be deleted.
<i>Action</i>	None.
6873	Attribute <i><ID or name></i> not found in <i><object></i> .
<i>Cause</i>	The specified attribute cannot be found in the SequeLink service or server data source.
<i>Action</i>	Check your SequeLink service or server data source configuration to verify that the specified attribute exists in the configuration. For more information about specifying SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .
6874	Attribute <i><ID or name></i> must at least exist once in <i><object></i> .
<i>Cause</i>	The specified attribute could not be found in the SequeLink service or server data source.
<i>Action</i>	Check your SequeLink service or server data source configuration to verify that the specified attribute exists in the configuration. For more information about specifying SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .

6875	Function not available for platform configuration.
<i>Cause</i>	The specified administrative function was not supported for the server operating system.
<i>Action</i>	None.
6877	Monitor not available for service <service name>.
<i>Cause</i>	Monitoring has not been enabled for this SequeLink service.
<i>Action</i>	Enable a monitoring profile for the service, and make sure that the service is active. For more information about enabling profiles for a SequeLink service, refer to the <i>SequeLink Administrator's Guide</i> .
6878	Invalid data source name <service name>.
<i>Cause</i>	An invalid server data source name was specified.
<i>Action</i>	Specify a correct server data source name. Server data source names are case-sensitive. For more information about creating server data sources, refer to the <i>SequeLink Administrator's Guide</i> .
6879	Cannot create a data source for an agent service.
<i>Cause</i>	Server data sources cannot be created for SequeLink Agent services.
<i>Action</i>	Make sure that you are trying to create a server data source for a SequeLink data access service.
6880	Only one <object> may exist.
<i>Cause</i>	Only one instance of the object may exist.
<i>Action</i>	Contact DataDirect Technologies technical support.
6881	Invalid <object>.
<i>Cause</i>	An invalid SequeLink service name or server data source name was specified.
<i>Action</i>	Specify a correct SequeLink service name or server data source name.
6882	No <object> exists.
<i>Cause</i>	No instance of the object exists.
<i>Action</i>	Contact DataDirect Technologies technical support.

6883	<i><object></i> already exists.
<i>Cause</i>	The SequeLink service name or the server data source name already exists.
<i>Action</i>	Contact DataDirect Technologies technical support.
6884	<i><object></i> still used by service <i><service name></i> .
<i>Cause</i>	The object is still used by the specified SequeLink service.
<i>Action</i>	Contact DataDirect Technologies technical support.
6885	Cannot delete required attribute <i><ID or name></i> .
<i>Cause</i>	The attribute cannot be deleted because it is required.
<i>Action</i>	Contact DataDirect Technologies technical support.
6886	Unable to determine event trace location for service <i><service name></i> .
<i>Cause</i>	An event trace file for the SequeLink service could not be located. Either SequeLink service information could not be retrieved or the ServiceEventTraceLocation service attribute could not be found in the service information.
<i>Action</i>	Make sure that the SequeLink service is active. If it is, check the "ServiceEventTraceLocation" service attribute to make sure that it is specified correctly. For more information about specifying SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .
6887	Event trace not available for service <i><service name></i> . Check if the service is running and an event trace profile is created.
<i>Cause</i>	Event tracing was not enabled for the specified SequeLink service.
<i>Action</i>	Enable an event tracing profile for the SequeLink service, and make sure that the SequeLink service is running. For more information about enabling profiles for a SequeLink service, refer to the <i>SequeLink Administrator's Guide</i> .
6888	Failed to open event trace file <i><file name></i> .
<i>Cause</i>	The specified event trace file could not be opened.
<i>Action</i>	Make sure that you have sufficient privileges to open and read the file, and make sure that the file is not being used by another SequeLink service.

6890	Invalid array index <i><number></i> for attribute <i><ID or name></i> . <i>Cause</i> An invalid attribute array index was specified. <i>Action</i> Specify a valid array index.
6892	Invalid session ID <i><number></i> . <i>Cause</i> An invalid session ID was specified. <i>Action</i> Specify a correct session ID.
6893	No configuration opened. <i>Cause</i> A SequeLink Manager request was made that required a connection to a SequeLink Agent or a SequeLink configuration file. <i>Action</i> Connect to a SequeLink Agent or open a SequeLink configuration file before making SequeLink Manager requests.
6894	Invalid numeric value <i><value></i> . <i>Cause</i> A value was specified that could not be converted to a numeric value. <i>Action</i> Specify a valid numeric value.
6895	Failed to prompt for user ID and password. <i>Cause</i> The callback function to prompt for a user ID and password failed. <i>Action</i> Contact DataDirect Technologies technical support.
6896	Invalid attribute name <i><name></i> . <i>Cause</i> An invalid attribute name was specified. <i>Action</i> Specify a valid attribute. For more information about specifying SequeLink service attributes, refer to the <i>SequeLink Administrator's Guide</i> .
6897	No agent service found in <i><file name></i> . <i>Cause</i> A SequeLink Agent service was not defined in the specified SequeLink configuration file. <i>Action</i> Create a SequeLink Agent service. For information about creating SequeLink services, refer to the <i>SequeLink Administrator's Guide</i> .

6898	Unable to locate local SequeLink server configuration file.
<i>Cause</i>	A local SequeLink configuration file could not be located.
<i>Action</i>	Make sure that you have specified the local configuration file correctly.
6899	SequeLink Administration library has not been initialized.
<i>Cause</i>	A call to the SequeLink Manager library was made before calling SLMAM_Init.
<i>Action</i>	Contact DataDirect Technologies technical support.
6900	Service <service name> already exists.
<i>Cause</i>	A SequeLink service with the same service name already exists.
<i>Action</i>	Specify a unique service name for the SequeLink service.
6901	Invalid token in service name.
<i>Cause</i>	The specified service name contains a token that is not allowed.
<i>Action</i>	Choose another name for your SequeLink service.
6902	Service <service name> is already started.
<i>Cause</i>	An attempt was made to start a SequeLink service that was already started.
<i>Action</i>	None.
6903	Service <service name> is not active.
<i>Cause</i>	The specified SequeLink service is not active.
<i>Action</i>	None.
6904	No monitor profile available for service <service name>.
<i>Cause</i>	The specified SequeLink service does not have monitoring enabled.
<i>Action</i>	Enable a monitoring profile for the SequeLink service. For more information about enabling monitoring profiles, refer to the <i>SequeLink Administrator's Guide</i> .
6905	A monitor profile already exists for service <service name>.
<i>Cause</i>	The specified SequeLink service already has monitoring enabled.
<i>Action</i>	None.

6906	No event log profile available for service <service name>.
<i>Cause</i>	The specified SequeLink service does not have event tracing enabled.
<i>Action</i>	Enable an event tracing profile for the SequeLink service. For more information about enabling profiles for SequeLink services, refer to the <i>SequeLink Administrator's Guide</i> .
6911	The default data source for service <service name> may not be destroyed.
<i>Cause</i>	An attempt to delete the default server data source was detected. The default server data source for the specified SequeLink service cannot be deleted.
<i>Action</i>	None.
6912	Unable to find a default data source for service <service name>.
<i>Cause</i>	The default server data source for the specified SequeLink service could not be found.
<i>Action</i>	Contact DataDirect Technologies technical support.
6913	Session monitoring has not been enabled for service <service name>.
<i>Cause</i>	The monitoring profile enabled for the specified SequeLink service does not provide session or statement counters.
<i>Action</i>	Enable a monitoring profile for the SequeLink service that uses session or statement counters. For more information about enabling profiles for SequeLink services, refer to the <i>SequeLink Administrator's Guide</i> .
6914	Failed to start service <service name>.
<i>Cause</i>	The specified SequeLink service could not be started.
<i>Action</i>	Details about the failure are logged in the service debug log file, the event trace file, or the system logging facility. Examine these details to troubleshoot the problem.
7361	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7362	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

7363	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7364	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7365	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7366	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7367	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7368	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7369	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7370	An internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7391	Driver cannot perform requested operation: {0}.
<i>Cause</i>	The method {0} is not supported by this version of the JDBC driver.
<i>Action</i>	Verify the method {0} in your JDBC application.

7392	Object is closed. The JDBC application used an illegal method on a closed object. <i>Cause</i> Object is closed. The JDBC application used an illegal method on a closed object. <i>Action</i> Correct your JDBC application.
7393	The value specified for parameter '{0}' is invalid. <i>Cause</i> The value specified for parameter '{0}' is invalid. <i>Action</i> Verify the value of the parameter '{0}' in your JDBC application.
7394	The method call '{0}' is not supported on a forward-only result set. The JDBC application used an illegal method on a forward-only result set. <i>Cause</i> The method '{0}' is not supported on a forward-only result set. The JDBC application used an illegal method on a forward-only result set. <i>Action</i> Correct your JDBC application.
7395	Timeout expired. <i>Cause</i> A timeout expired. <i>Action</i> Verify that the SequeLink Server is running and that you have specified the correct network address of the host. If your configuration is correct, increase the connection timeout value.
7396	The specified URL is not accepted: {0}. <i>Cause</i> The specified URL is not accepted: {0}. <i>Action</i> Verify the specified connection URL.
7397	Insufficient information to connect. Missing parameters are: {0}. <i>Cause</i> Insufficient information to connect was supplied. Missing parameters are: {0}. <i>Action</i> Make sure that you specify the connection URL completely. For information about the syntax of the connection URL, refer to the <i>SequeLink Administrator's Guide</i> .
7398	An internal error occurred. <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.

7399	Method {0} cannot be called when a result set is open. The JDBC application used an illegal method on a Statement, which has an open result set. <i>Cause</i> Method {0} cannot be called when a result set is open. The JDBC application used an illegal method on a Statement, which has an open result set. <i>Action</i> Correct your JDBC application.
7400	Error occurred while reading properties file. <i>Cause</i> An error occurred while reading the properties file. <i>Action</i> Contact DataDirect Technologies technical support.
7401	Insufficient information to log on to the database. Missing parameters are: {0}. <i>Cause</i> Insufficient information was provided to log on to the database. Missing parameters are indicated by {0}. <i>Action</i> Re-attempt the connection, making sure that you specify the connection URL completely.
7402	Unexpected error occurred during timed connection startup. <i>Cause</i> An unexpected error occurred during timed connection startup. <i>Action</i> Obtain the next exception for more information. If necessary, contact DataDirect Technologies technical support.
7403	Statement did not generate a row count. executeUpdate() cannot be used on a statement that returns a result set. <i>Cause</i> The statement did not generate a row count. executeUpdate() cannot be used on a statement that returns a result set. <i>Action</i> Correct your JDBC application.
7404	Statement did not generate a result set. executeQuery() cannot be used on a statement that does not return a result set. <i>Cause</i> The statement did not generate a result set. executeQuery() cannot be used on a statement that does not return a result set. <i>Action</i> Correct your JDBC application.

7405	Conversion not supported: {0}() for SQL data type {1}. The specified method is illegal for a column of the specified SQL data type. <i>Cause</i> The specified method is invalid for a column of the specified SQL data type. <i>Action</i> Correct your JDBC application.
7406	Conversion of value '{0}' at column '{1}' failed. The data type conversion for the specified column failed. <i>Cause</i> The data type conversion for the specified column failed. <i>Action</i> Correct your JDBC application.
7407	An unsupported SQL data type has been specified: {0}. The specified SQL data type is invalid. <i>Cause</i> The specified SQL data type is invalid. <i>Action</i> Correct your JDBC application.
7408	Invalid use of null string. <i>Cause</i> A null string is incorrectly used as a parameter or a method of DatabaseMetaData. <i>Action</i> Correct your JDBC application.
7409	An internal error occurred. <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
7410	An internal error occurred. <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
7411	An internal error occurred. <i>Cause</i> An unexpected error occurred. <i>Action</i> Contact DataDirect Technologies technical support.

7412	Use register OutParameter (int, int, int) for SQL data type {0}. The method registerOutParameter (int, int) is not supported for DECIMAL data. <i>Cause</i> The method registerOutParameter (int, int) is not supported for DECIMAL data. <i>Action</i> Correct your JDBC application.
7413	No output parameter is registered at parameter index {0}. registerOutParameter must be called prior to getXXX() on a CallableStatement. <i>Cause</i> registerOutParameter must be called prior to getXXX() on a CallableStatement. <i>Action</i> Correct your JDBC application.
7414	Conversion not supported: {0}() used for SQL data type {1} at parameter index {2}. The specified method is illegal for a column of the specified SQL data type. <i>Cause</i> The specified method is invalid for a column of the specified SQL data type. <i>Action</i> Correct your JDBC application.
7415	Illegal method call on a PreparedStatement. The methods on Statement that have a SQL statement as parameter, like execute(sql) and addBatch(sql), are not supported on PreparedStatements. <i>Cause</i> The methods on Statement that have a SQL statement as parameter, like execute(sql) and addBatch(sql), are not supported on PreparedStatements. <i>Action</i> Check your JDBC application.
7416	The number of input parameters is different from the previous parameter set. <i>Cause</i> The number of input parameters is different from the previous parameter set. <i>Action</i> Check your JDBC application.
7417	Output parameters with batch updates are not supported. <i>Cause</i> You cannot use output parameters with batch updates. <i>Action</i> Check your JDBC application.

7418	An object of the unsupported class {0} has been specified. The JDBC application specified an object of the unsupported class as parameter for PreparedStatement.setObject(). <i>Cause</i> The JDBC application specified an object of the unsupported class as parameter for PreparedStatement.setObject(). <i>Action</i> Check your JDBC application.
7419	The number of bytes in a unicode stream cannot be an odd value. <i>Cause</i> The number of bytes in a Unicode stream cannot be an odd value. <i>Action</i> Check your JDBC application.
7420	Some parameters are not defined. The application did not call a setXXX() method for each parameter in the SQL statement. <i>Cause</i> Some parameters are not defined. The application did not call a setXXX() method for each parameter in the SQL statement. <i>Action</i> Check your JDBC application for undefined parameters.
7421	Illegal method call. There is no current row. This method invocation is only valid when the result set has a current row. <i>Cause</i> This method invocation is only valid when the result set has a current row. <i>Action</i> Check your JDBC application.
7422	Positioned updates are not supported. <i>Cause</i> Positional updates are not supported by this version of the JDBC driver. <i>Action</i> Check your JDBC application.
7423	The column '{0}' is not found. An invalid column name has been specified. <i>Cause</i> The specified column was not found. An invalid column name was specified. <i>Action</i> Check your JDBC application.
7424	The method {0}() does not apply to columns of type {1}. <i>Cause</i> The specified method does not apply to this type of column. <i>Action</i> Check your JDBC application.

7425	A batch cannot contain SQL statements that return a result set.
<i>Cause</i>	A batch cannot contain SQL statements that return a result set.
<i>Action</i>	Check your JDBC application. Make sure that only row count generating statements are used in a batch.
7426	Driver does not support batches containing stream variables.
<i>Cause</i>	The JDBC driver does not support large objects in batches.
<i>Action</i>	Check your JDBC application.
7427	Handshake failure: You are trying to connect to a server that is not a SequeLink Server.
<i>Cause</i>	An attempt was made to connect to a server that is not a SequeLink Server.
<i>Action</i>	Make sure that the connection information configured at the SequeLink Client is specified correctly to connect to the SequeLink Server.
7428	Handshake failure: You are trying to connect to a server that is not a SequeLink Server.
<i>Cause</i>	The SequeLink Client is incompatible with the version of the SequeLink Server to which it tried to connect.
<i>Action</i>	Verify that the versions of your SequeLink Client and SequeLink Server are compatible. Contact DataDirect Technologies technical support, if necessary.
7429	Handshake failure: A protocol error occurred during the connection setup.
<i>Cause</i>	An attempt was detected to connect to a SequeLink Server running an incompatible version of SequeLink.
<i>Action</i>	Verify that the versions of your SequeLink Client and SequeLink Server are compatible. Contact DataDirect Technologies technical support, if necessary.
7430	Driver does not support: different parameter target types. The JDBC driver does not allow you to change the type of parameters, once they are registered.
<i>Cause</i>	The JDBC driver does not allow you to change the type of parameters once they are registered.
<i>Action</i>	Check your JDBC application. Possibly, add a call to clearParameters().

7431	Column index out of bounds. The column index your JDBC application specified is out of bounds. <i>Cause</i> Your JDBC application specified a column index that is out of bounds. <i>Action</i> Check your JDBC application.
7432	Internal error: Invalid state of statement context '{0}'. <i>Cause</i> The state of statement context '{0}' was invalid. <i>Action</i> Contact DataDirect Technologies technical support.
7433	Conversion not supported: setObject() with object type {0} used for SQL data type {1} at parameter index {2}. <i>Cause</i> This type of conversion not supported. <i>Action</i> Check your JDBC application.
7434	An authentication mechanism could not be successfully negotiated. <i>Cause</i> The SequeLink Server did not specify an authentication mechanism supported by the SequeLink Client. <i>Action</i> Make sure that the SequeLink Server specifies an authentication mechanism supported by the SequeLink Client. Refer to the <i>SequeLink Administrator's Guide</i> for information about setting authentication.
7435	Unable to resolve transliteration: {0}. The JDBC driver does not support the transliteration used by your server. <i>Cause</i> The JDBC driver does not support the transliteration used by your server. <i>Action</i> Contact DataDirect Technologies technical support.
7436	Error occurred while processing transliteration table: {0}. <i>Cause</i> An error occurred while processing a transliteration table. <i>Action</i> Contact DataDirect Technologies technical support.
7437	Transliteration table corrupt: {0}. <i>Cause</i> A transliteration table was corrupted. <i>Action</i> Contact DataDirect Technologies technical support.

7438	NumberFormatException during setObject() with object type {0} used for SQL data type {1} at parameter index {2}.
<i>Cause</i>	A NumberFormatException occurred during setObject() with object type {0} used for SQL data type {1} at parameter index {2}.
<i>Action</i>	The subsequent exception will give you more information. Check your JDBC application.
7439	XA-Open failed with return code {0}.
<i>Cause</i>	XA-Open failed with the specified return code.
<i>Action</i>	Refer to the X/Open XA Specification for more information about the return code.
7440	XA-Close failed with return code {0}.
<i>Cause</i>	XA-Close failed with the specified return code.
<i>Action</i>	Refer to the X/Open XA Specification for more information about the return code.
7441	An error occurred while processing the cache of the insensitive scrollable resultset.
<i>Cause</i>	An error occurred while processing the cache of the insensitive scrollable result set.
<i>Action</i>	Contact DataDirect Technologies technical support.
7442	FetchSize must be less than maxRowSize.
<i>Cause</i>	FetchSize must be less than maxRowSize.
<i>Action</i>	Check your JDBC application.
7443	Method {0} cannot be called when the statement is executed.
<i>Cause</i>	The JDBC driver cannot change the setmaxFieldSize when the statement is already executed.
<i>Action</i>	Check your JDBC application.
7444	Value of setMaxFieldSize exceeds maximum limit.
<i>Cause</i>	The value of setMaxFieldSize exceeded the maximum limit. To avoid excessive memory use, the JDBC driver limits the maximum value of setMaxFieldSize.
<i>Action</i>	If you require higher values, contact DataDirect Technologies technical support.

7445	Internal error occurred.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7446	Error occurred while processing transliteration table: {0}.
<i>Cause</i>	An error occurred while processing a transliteration table.
<i>Action</i>	Contact DataDirect Technologies technical support.
7447	An unsupported transliteration type has been specified: {0}.
<i>Cause</i>	An unsupported transliteration type has been specified.
<i>Action</i>	Contact DataDirect Technologies technical support.
7448	You are attempting to use this DataDirect Technologies software from an application that is not licensed to use it.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7449	Server asked for unknown encryption.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7450	No initialization vector was sent when one was expected.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7451	Initialization vector has wrong size ({0} bytes). Expected {1} bytes.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7452	Error occurred during transliteration.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

7481	Result set type is changed from '{0}' to '{1}'. This is a SQL Warning.
<i>Cause</i>	The result set type is changed from '{0}' to '{1}'. This is a SQL Warning.
<i>Action</i>	Refer to the <i>SequeLink Developer's Reference</i> for information about restrictions on scrollable cursors.
7482	Result set concurrency is changed from '{0}' to '{1}'. This is a SQL Warning.
<i>Cause</i>	Result set concurrency is changed from '{0}' to '{1}'. This is a SQL Warning.
<i>Action</i>	Refer to the <i>SequeLink Developer's Reference</i> for information about restrictions on scrollable cursors.
7483	Finalization thread could not be started. This is a SQL Warning. The JDBC driver is unable to "finalize" Connection and Statement objects during garbage collection.
<i>Cause</i>	Finalization thread could not be started. The JDBC driver is unable to finalize Connection and Statement objects during garbage collection.
<i>Action</i>	Make sure that your application explicitly closes the Connection and Statement objects.
7491	Object is closed.
<i>Cause</i>	The object is closed.
<i>Action</i>	Check your JDBC application.
7492	Cannot set autocommit to 'on' for global transaction.
<i>Cause</i>	You cannot set Autocommit to "on" for global transactions.
<i>Action</i>	Check your JDBC application.
7493	Cannot commit for global transaction.
<i>Cause</i>	Global transaction could not be committed.
<i>Action</i>	Check your JDBC application.
7494	Cannot rollback for global transaction.
<i>Cause</i>	Global transaction could not be rolled back.
<i>Action</i>	Check your JDBC application.

7495	Reclaim of open connection is not supported.
<i>Cause</i>	The JDBC driver does not support the reclaim of open connections.
<i>Action</i>	Check your JDBC application.
7720	[SSL]Illegal port number specified.
<i>Cause</i>	An invalid port number was specified for the Port parameter in the proxy server configuration file.
<i>Action</i>	Check the Port parameter in the proxy server configuration file.
7721	[SSL]Illegal value for maximum number of connections.
<i>Cause</i>	An invalid value for the MaxConnections parameter in the proxy server configuration file was specified.
<i>Action</i>	Check the MaxConnections parameter in the proxy server configuration file.
7722	[SSL]Illegal value for Packet size.
<i>Cause</i>	An invalid value for the InitialPacketSize parameter in the proxy server configuration file was specified.
<i>Action</i>	Check the InitialPacketSize parameter in the proxy server configuration file.
7723	[SSL]Illegal transfer mode specified.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7724	[SSL]Illegal log level specified.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7725	[SSL]Illegal "sta16timeout" value specified.
<i>Cause</i>	An illegal value for the CloseWaitTime parameter in the proxy server configuration file was specified
<i>Action</i>	Check the CloseWaitTime parameter in the proxy server configuration file.

7726	[SSL]Internal error: proxy server state error.
<i>Cause</i>	An unexpected error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7727	[SSL]Cannot create server listener on given port.
<i>Cause</i>	The proxy server was unable to create a TCP/IP socket to listen for incoming connections. The proxy server may already be running or an incorrect port number was specified.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the detailed exceptions. ■ Check the Port parameter in the proxy server configuration file. ■ Check the AdminPort parameter in the proxy server configuration file. ■ Make sure that the proxy server is not already running at the host.
7728	[SSL]Illegal server port number specified.
<i>Cause</i>	An invalid port number was specified for the ServerPort parameter in the proxy server configuration file.
<i>Action</i>	Check the ServerPort parameter in the proxy server configuration file.
7729	[SSL]Configuration file not found.
<i>Cause</i>	The specified proxy server configuration file was not found in the current directory. The proxy server configuration file is formed by adding the extensions .cfg to the proxy server name. The name of the proxy server can be specified using the last command-line parameter of the SequeLink Manager command used to start the proxy server.
<i>Action</i>	Verify that the proxy server configuration file has the extension .cfg in its name and exists in the current directory.
7730	[SSL]Cannot read configuration file.
<i>Cause</i>	The specified configuration file is not readable.
<i>Action</i>	Check the privileges of the specified configuration file.

7731	[SSL]Cannot create file inputstream.
<i>Cause</i>	Internal error. An IOException occurred while trying to read from the proxy server configuration file.
<i>Action</i>	Check the console of the proxy server machine for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7732	[SSL]Cannot read key/value pairs from stream into properties object.
<i>Cause</i>	Internal error. An IOException occurred when trying to interpret the proxy server configuration file as a properties object.
<i>Action</i>	Check the console of the proxy server machine for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7733	[SSL]Non-numerical value for port specified.
<i>Cause</i>	A non-numeric value is specified for the Port parameter in the proxy server configuration file.
<i>Action</i>	Check the Port parameter in the proxy server configuration file.
7734	[SSL]Non-numerical value for server port specified.
<i>Cause</i>	The proxy server configuration file specified an invalid value for the ServerPort parameter.
<i>Action</i>	Check the ServerPort parameter in the proxy server configuration file.
7735	[SSL]Non-numerical value for maximum number of connections specified.
<i>Cause</i>	The proxy server configuration file specified an invalid value for the MaxConnections parameter.
<i>Action</i>	Check the MaxConnections parameter in the proxy server configuration file.
7736	[SSL]Non-numerical value for maximum packet size specified.
<i>Cause</i>	The proxy server configuration file specified an invalid value for the InitialPacketSize parameter.
<i>Action</i>	Check the InitialPacketSize parameter in the proxy server configuration file.

7737	[SSL]Illegal value for LogLevel specified.	
	<i>Cause</i>	The proxy server configuration file specified an invalid value for the LogLevel parameter.
	<i>Action</i>	Check the LogLevel parameter in the proxy server configuration file.
7738	[SSL]Illegal value for TransferMode specified.	
	<i>Cause</i>	The proxy server configuration file specified an invalid value for the TransferMode parameter.
	<i>Action</i>	Check the TransferMode parameter in the proxy server configuration file.
7739	[SSL]Illegal administration port number specified.	
	<i>Cause</i>	The proxy server configuration file specified an illegal port number for the AdminPort parameter.
	<i>Action</i>	Check the AdminPort parameter in the proxy server configuration file.
7740	[SSL]Non-numerical value for administration port specified.	
	<i>Cause</i>	The proxy server configuration file specified a non-numeric value for the AdminPort parameter.
	<i>Action</i>	Check the AdminPort parameter in the proxy server configuration file.
7741	[SSL]Non-numerical value for backlog specified.	
	<i>Cause</i>	The proxy server configuration file specified a non-numeric value for the BackLog parameter.
	<i>Action</i>	Check the BackLog parameter in the proxy server configuration file.
7742	[SSL]Illegal backlog value specified.	
	<i>Cause</i>	An illegal value for the BackLog parameter is specified in the proxy server configuration file.
	<i>Action</i>	Check the BackLog parameter in the proxy server configuration file.

7743	[SSL]Use different port number for administration port.
<i>Cause</i>	An attempt was made to use the same port number for the proxy server port (Port parameter) used for listening to incoming requests and the SequeLink Proxy Server administration port (AdminPort parameter).
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the Port parameter in the proxy server configuration file. ■ Check the AdminPort parameter in the SequeLink Proxy Server configuration file.
7744	[SSL]Fatal error occurred while receiving accept.
<i>Cause</i>	Internal error. An error occurred when accepting an incoming connection request.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7745	[SSL]Host name not found or empty in configuration file.
<i>Cause</i>	A server that is not a SequeLink Server has been specified using the proxy server Host parameter.
<i>Action</i>	Check the Host parameter in the SequeLink Proxy Server configuration file. Make sure that it specifies a SequeLink Server.
7746	[SSL]Non-numerical value for close wait time specified.
<i>Cause</i>	The proxy server configuration file specified a non-numeric value for the CloseWaitTime parameter.
<i>Action</i>	Check the CloseWaitTime parameter in the SequeLink Proxy Server configuration file.
7747	[SSL]Network read error in client read message length operation.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file name for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7748	[SSL]Network read error in client read message operation.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.

7749	[SSL]End of input in client read message length operation.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the Sequelink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7750	[SSL]End of input in client read message operation.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the Sequelink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7751	[SSL]Network write error in client write operation.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the Sequelink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7752	[SSL]Client message decoding failed.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the Sequelink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7753	[SSL]Invalid client connection.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the Sequelink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7754	[SSL]Closing client connection failed.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the Sequelink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.

7755	[SSL]Internal error in client read message operation.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7756	[SSL]Network write error in client write SSL/TLS Alert message.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7757	[SSL]Network read error in server read message length operation.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7758	[SSL]Network read error in server read message operation.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7759	[SSL]Network read error in server read message length operation.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7760	[SSL]End of input in server read message operation.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.

7761	[SSL]Network write error in server write operation.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7762	[SSL]Server message decoding failed.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7763	[SSL]Invalid server connection.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7764	[SSL]Connection to server failed.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7765	[SSL]Closing server connection failed.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7766	[SSL]Internal error in server read message operation.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.

7767	[SSL]Network write error in server write SSL/TLS Alert message.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7768	[SSL]Cannot add connection object to connection list.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7769	[SSL]Graceful disconnection failed.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7770	[SSL]Data transfer between client and server already active.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7771	[SSL]State error.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7772	[SSL]Internal error: no data to process.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.

7773	[SSL]Could not allocate memory for send/receive buffer.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7774	[SSL]Could not start new thread.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7775	[SSL]Maximum number of simultaneous connections reached. Cannot add connection to connection list.
<i>Cause</i>	The maximum number of connections specified by the MaxConnections parameter in the SequeLink Proxy Server configuration file has been reached.
<i>Action</i>	Check the MaxConnections parameter in the SequeLink Proxy Server configuration file. Increase the value of this parameter, if necessary.
7776	[SSL]Cannot create a connection list with a negative or zero number of maximum connections.
<i>Cause</i>	An illegal value is specified for the MaxConnections parameter in the proxy server configuration file.
<i>Action</i>	Check the MaxConnections parameter in the SequeLink Proxy Server configuration file.
7777	[SSL]Internal error: connection list state error.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7778	[SSL]Could not start new thread.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the SequeLink Proxy Server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.

7779	[SSL]Cannot create a dictionary for log file.
<i>Cause</i>	The directory specified by the LogDir parameter in the proxy server configuration file does not exist. An error occurred in an attempt to create the missing directory.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the LogDir parameter in the SequeLink Proxy Server configuration file. ■ Verify that the required file privileges are set. ■ If the previous actions do not resolve the problem, try to create the logging directory explicitly.
7780	[SSL]Cannot access log file.
<i>Cause</i>	The proxy server log file already exists and an error occurred when trying to read from or write to this file.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the console of the SequeLink Proxy Server machine for more detailed error messages. ■ Verify that the required file privileges are set. ■ Make sure that no other process is using the log file.
7781	[SSL]Seek in log file failed.
<i>Cause</i>	An internal error occurred when processing an existing log file.
<i>Action</i>	<ul style="list-style-type: none"> ■ Verify that the required file privileges are set. ■ Make sure that no other process is using the log file. ■ If the previous actions do not resolve the problem, contact DataDirect Technologies technical support.
7782	[SSL]Get file descriptor failed.
<i>Cause</i>	An internal error occurred when processing an existing log file.
<i>Action</i>	<ul style="list-style-type: none"> ■ Verify that the required file permission are set. ■ Make sure that no other process is using the file. ■ If the previous actions do not resolve the problem, contact DataDirect Technologies technical support.
7783	[SSL]Cannot create file outputstream.
<i>Cause</i>	An error occurred when trying to write to the proxy server log file.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the proxy server console for more detailed error messages. ■ Verify that the required file permissions are set.

7784	[SSL]Cannot create endpoint for proxy server administration.
<i>Cause</i>	The Proxy server was unable to create the TCP/IP socket to listen for incoming administration requests. The proxy server may already be running or an invalid TCP/IP port may have been specified.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the detailed exceptions. ■ Check the AdminPort parameter in the proxy server configuration file. ■ Make sure that a proxy server is not already running at the host.
7785	[SSL]Unknown operation requested by system administrator.
<i>Cause</i>	A non-fatal internal error occurred.
<i>Action</i>	Check the proxy server log file for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7786	[SSL]Could not connect to proxy server: check if the proxy server was started.
<i>Cause</i>	An attempt was made to stop a proxy server, but a proxy server was not found. The proxy server may already be stopped.
<i>Action</i>	Make sure the proxy server is started before stopping it.
7787	[SSL]Cannot create data output stream over socket.
<i>Cause</i>	An internal error occurred when trying to stop a running proxy server.
<i>Action</i>	Check the console of the proxy server machine for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7788	[SSL]Write to data output stream failed.
<i>Cause</i>	An internal error occurred when trying to stop a running SequeLink Proxy Server.
<i>Action</i>	Check the console of the SequeLink Proxy Server machine for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7789	[SSL]Write to data output stream failed.
<i>Cause</i>	An internal error occurred when trying to stop a running SequeLink Proxy Server.
<i>Action</i>	Check the console of the SequeLink Proxy Server machine for more detailed error messages. If necessary, contact DataDirect Technologies technical support.

7790	[SSL]Write to data output stream failed.
<i>Cause</i>	An internal error occurred when trying to stop a running SequeLink Proxy Server.
<i>Action</i>	Check the console of the SequeLink Proxy Server machine for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7791	[SSL]Unable to close end point.
<i>Cause</i>	An internal error occurred when trying to stop a running SequeLink Proxy Server.
<i>Action</i>	Check the console of the SequeLink Proxy Server machine for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7792	[SSL]Non-numerical value for port specified.
<i>Cause</i>	A non-numeric value was specified for the AdminPort parameter in the SequeLink Proxy Server configuration file. The AdminPort parameter must have a numeric value.
<i>Action</i>	Check the AdminPort parameter in the SequeLink Proxy Server configuration file.
7793	[SSL]Unknown local host.
<i>Cause</i>	An internal error occurred when trying to stop a running SequeLink Proxy Server.
<i>Action</i>	Contact DataDirect Technologies technical support.
7794	[SSL]Supply name of proxyserver.
<i>Cause</i>	Internal error. No name is specified when starting a SequeLink Proxy Server.
<i>Action</i>	Contact DataDirect Technologies technical support.
7795	[SSL]Cannot create data input stream over socket.
<i>Cause</i>	An internal error occurred when trying to stop a running SequeLink Proxy Server.
<i>Action</i>	Check the console of the SequeLink Proxy Server machine for more detailed error messages. If necessary, contact DataDirect Technologies technical support.

7796	[SSL]Network read error in read message length.
<i>Cause</i>	An internal error occurred when trying to stop a running SequeLink Proxy Server.
<i>Action</i>	Check the console of the SequeLink Proxy Server machine for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7797	[SSL]Network read error in read message length.
<i>Cause</i>	An internal error occurred when trying to stop a running SequeLink Proxy Server.
<i>Action</i>	Check the console of the SequeLink Proxy Server machine for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7798	[SSL]Internal error: IOException in read token operation.
<i>Cause</i>	An internal error occurred when trying to stop a running SequeLink Proxy Server.
<i>Action</i>	Check the console of the SequeLink Proxy Server machine for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7799	[SSL]Not an administration message.
<i>Cause</i>	The running SequeLink Proxy Server received an administration request, but the message was not recognized. You may be trying to connect to the administration port.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the connection information configured at the SequeLink Client. ■ Check the AdminPort parameter in the proxy server configuration file.
7800	[SSL]Administration request only allowed from localhost.
<i>Cause</i>	An attempt was made to stop a SequeLink Proxy Server running on another host.
<i>Action</i>	You cannot stop a proxy server running on another host. Stop the SequeLink Proxy Server from the host on which it is running.

7801	[SSL]Error while accepting incoming connection on administration port.
<i>Cause</i>	An internal error occurred when trying to stop a running SequeLink Proxy Server.
<i>Action</i>	Check the console of the SequeLink Proxy Server machine for more detailed error messages. If necessary, contact DataDirect Technologies technical support.
7802	[SSL]No administration listener started: could not stop proxy server.
<i>Cause</i>	An attempt was made to stop a SequeLink Proxy Server that has no administration listener started.
<i>Action</i>	Check the AdminPort parameter in the SequeLink Proxy Server configuration file.
7803	[SSL]Proxy server with the name "<proxy server name>" already running.
<i>Cause</i>	A remote administration internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7804	[SSL]Proxy server with name "<proxy server name>" is not running.
<i>Cause</i>	A remote administration internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7805	[SSL]Error while starting proxy server: <proxy server name>.
<i>Cause</i>	A remote administration internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7806	[SSL]Error while stopping proxy server: <proxy server name>.
<i>Cause</i>	A remote administration internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

7830	[SSL]Failed to load authentication provider class.
<i>Cause</i>	Internal error. A fatal error occurred when loading a specified provider class. Providers must be specified in the <code>com.ddtek.sequelink.slje.properties</code> properties file. At startup, all authentication providers are loaded in the order they are specified. If the provider class is not found, this provider is not installed. When a provider class is found, but an error occurred when loading it, this error message is returned.
<i>Action</i>	Check the detailed error message. If necessary, contact DataDirect Technologies technical support.
7831	[SSL]Authentication provider "<provider class name>" has wrong type.
<i>Cause</i>	Internal error. A provider specified in the <code>com.ddtek.sequelink.slje.properties</code> properties file is not a sub-class of <code>com.ddtek.sequelink.auth.MGSSProvider</code> .
<i>Action</i>	Check the <code>com.ddtek.sequelink.slje.properties</code> properties file. If necessary, contact DataDirect Technologies technical support.
7832	[SSL]No authentication provider specified or found.
<i>Cause</i>	No provider specified in the <code>com.ddtek.sequelink.slje.properties</code> properties file can be found.
<i>Action</i>	Check the <code>com.ddtek.sequelink.slje.properties</code> properties file. Make sure that the provider classes specified in this properties file are defined in the classpath. If necessary, contact DataDirect Technologies technical support.
7833	[SSL]An unsupported mechanism was requested.
<i>Cause</i>	Internal error (standard MGSS error). No installed provider could support the requested authentication mechanism.
<i>Action</i>	Check the <code>com.ddtek.sequelink.slje.properties</code> properties file. Make sure that the provider classes specified in this properties file are defined in the classpath. If necessary, contact DataDirect Technologies technical support.
7834	[SSL]An invalid name was supplied.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.

7835	[SSL]A supplied name was of an unsupported type.
<i>Cause</i>	Internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.
7836	[SSL]Incorrect channel bindings were supplied.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.
7837	[SSL]An invalid status code was supplied.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.
7838	[SSL]A token had an invalid MIC.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.
7839	[SSL]No credentials were supplied, or the credentials were unavailable or inaccessible.
<i>Cause</i>	Authentication failed because the supplied credentials (for example, user name or password) were incorrect or missing. The required credentials depend on the selected authentication mechanism.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the supplied authentication information (for example, user name or password). ■ Check which credentials the selected authentication mechanism expects.
7840	[SSL]Invalid context has been supplied.
<i>Cause</i>	Internal error (standard MGSS error). This is an internal error or an authentication state error.
<i>Action</i>	Contact DataDirect Technologies technical support.

7841	[SSL]A supplied token was invalid.
<i>Cause</i>	An internal error (standard MGSS error) occurred. A token used during authentication between client and server was invalid. This is an internal error in the selected authentication mechanism or a mismatch between client and server authentication providers.
<i>Action</i>	Check the com.ddtek.sequelink.slje.properties properties file. If necessary, contact DataDirect Technologies technical support.
7842	[SSL]A supplied credential was invalid.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.
7843	[SSL]The referenced credentials have expired.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.
7844	[SSL]The context has expired.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.
7845	[SSL]Miscellaneous failure, unspecified at the MGSS level.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.
7846	[SSL]The quality-of-protection requested could not be provided.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.
7847	[SSL]The operation is forbidden by local security policy.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.

7848	[SSL]The operation or option is unavailable.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.
7849	[SSL]The requested credential element already exists.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.
7850	[SSL]The provided name was not a mechanism name.
<i>Cause</i>	An internal error (standard MGSS error) occurred. Not used by the standard SequeLink authentication modules.
<i>Action</i>	Contact DataDirect Technologies technical support.
7851	[SSI]Failed to create authentication provider instance.
<i>Cause</i>	A fatal error occurred when loading a specified provider class. Providers must be specified in the <code>com.ddtek.sequelink.slje.properties</code> properties file. At startup, all authentication providers are loaded in the order they are specified. If the provider class is not found, this provider is not installed. When a provider class is found, but an error occurred when instantiating this provider class, this message is returned.
<i>Action</i>	Check the detailed error messages and the <code>com.ddtek.sequelink.slje.properties</code> properties file. If necessary, contact DataDirect Technologies technical support.
7852	[SSL]Server-side authentication is not supported by the authentication library.
<i>Cause</i>	Internal error. An attempt was made to use the Java authentication library in server mode.
<i>Action</i>	Contact DataDirect Technologies technical support.
7853	[SSL]Authentication failed: <reason>.
<i>Cause</i>	An attempt to authenticate the client to a server has failed.
<i>Action</i>	Check the detailed exceptions.

7922	[SSL]The symbolic host name could not be resolved to an IP address.
<i>Cause</i>	The supplied server host name is unknown.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the server name. ■ Check the detailed error message.
7925	[SSL]Error creating SSL socket.
<i>Cause</i>	Internal error while setting up an SSL/TLS socket at the client (or proxy) server.
<i>Action</i>	Check the detailed error messages. If necessary, contact DataDirect Technologies technical support.
7926	[SSL]Error closing SSL socket.
<i>Cause</i>	Internal error while closing up an SSL/TLS socket at the client (or proxy) server.
<i>Action</i>	Check the detailed error messages. If necessary, contact DataDirect Technologies technical support.
7927	[SSL]Error receiving accept.
<i>Cause</i>	An internal error occurred while closing an SSL/TLS socket at the SequeLink Client (or proxy) server.
<i>Action</i>	Check the detailed error messages to troubleshoot the problem. If the error still occurs, contact DataDirect Technologies technical support.
7930	[SSL]The cipher suite "<cipher suite>" is unknown.
<i>Cause</i>	The client or the proxy server specified an unknown cipher suite.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the CipherSuites connection parameter at the client. ■ Check the CipherSuites parameter in the SequeLink Proxy Server configuration file.
7931	[SSL]No cipher suite has been specified.
<i>Cause</i>	No cipher suite has been specified by the client or the proxy server.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the CipherSuites connection parameter. ■ Check the CipherSuites parameter in the SequeLink Proxy Server configuration file.

7932	[SSL]Problem reading files required for certificates.
<i>Cause</i>	An error occurred while reading the specified certificate by the SequeLink Proxy Server.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the detailed error messages. ■ Check the RSACertificate parameter in the SequeLink Proxy Server configuration file. ■ Check the DSSCertificate parameter in the SequeLink Proxy Server configuration file.

7934	[SSL]Certificate Checker class not found.
<i>Cause</i>	The user supplied class implementing the Certificate Checker interface was not found in the classpath by the SequeLink Client.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the CertificateChecker connection parameter. ■ Check if the specified certificate checker is in the client's classpath.

7937	[SSL]Unexpected IOException occurred while reading the pass phrase.
<i>Cause</i>	An internal error occurred while reading the pass phrase from the console when starting the SequeLink Proxy Server.
<i>Action</i>	<ul style="list-style-type: none"> ■ Supply the pass phrase using the pass phrase dialog. ■ Contact DataDirect Technologies technical support.

7938	[SSL]Unexpected Exception occurred while decrypting the private key, probable cause: invalid pass phrase.
<i>Cause</i>	An error occurred while reading an unencrypted pass phrase. When the pass phrase parameter in the SequeLink Proxy Server configuration file is empty, the private key is interpreted as unencrypted.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the RSAPrivateKey parameter in the SequeLink Proxy Server configuration file. ■ Check the DSSPrivateKey parameter in the SequeLink Proxy Server configuration file. ■ Check the PassPhrase parameter in the SequeLink Proxy Server configuration file.

7939	[SSL]Unexpected IOException occurred while reading the private key, probable cause: invalid pass phrase.
<i>Cause</i>	An error occurred when reading and decrypting the encrypted private key. A possible reason is that the supplied pass phrase with the SequeLink Proxy Server startup is different from the pass phrase used to encrypt the private key.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the RASPrivateKey parameter in the SequeLink Proxy Server configuration file. ■ Check the DSSPrivateKey parameter in the SequeLink Proxy Server configuration file. ■ Check the PassPhrase parameter in the SequeLink Proxy Server configuration file.
7940	[SSL]A ciphersuite that requires an RSA certificate and a ciphersuite that requires a DSS certificate cannot be supplied at the same time.
<i>Cause</i>	An attempt was made to start the SequeLink Proxy Server with a cipher suite list that contains both cipher suites that require an RSA certificate and cipher suites that require a DSS certificate. The two families of cipher suites cannot be mixed.
<i>Action</i>	Check the CipherSuites parameter in the SequeLink Proxy Server configuration file.
7942	[SSL]A ciphersuite requires a DSS certificate that was not supplied.
<i>Cause</i>	An attempt was made to start the SequeLink Proxy Server with a cipher suite list that contains a cipher suite which requires a DSS certificate, but no such certificate file has been specified.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the CipherSuites parameter in the SequeLink Proxy Server configuration file. ■ Check the DSSCertificate parameter in the SequeLink Proxy Server configuration file.
7943	[SSL]A ciphersuite requires a DSS privatekey that was not supplied.
<i>Cause</i>	An attempt was made to start the SequeLink Proxy Server with a cipher suite list that contains a cipher suite which requires a DSS private key, but no such private key file has been specified.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the CipherSuites parameter in the SequeLink Proxy Server configuration file. ■ Check the DSSPrivateKey parameter in the SequeLink Proxy Server configuration file.

7944	[SSL]A ciphersuite requires an RSAA certificate that was not supplied.
<i>Cause</i>	An attempt was made to start the SequeLink Proxy Server with a cipher suite list that contains a cipher suite which requires an RSA certificate, but no such certificate file has been specified.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the CipherSuites parameter in the SequeLink Proxy Server configuration file. ■ Check the RSACertificate parameter in the SequeLink Proxy Server configuration file.
7945	[SSL]A ciphersuite requires an RSA privatekey that was not supplied.
<i>Cause</i>	An attempt was made to start the SequeLink Proxy Server with a cipher suite list that contains a cipher suite which requires an RSA private key, but no such private key file has been specified.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the CipherSuites parameter in the SequeLink Proxy Server configuration file. ■ Check the RSAPrivateKey parameter in the SequeLink Proxy Server configuration file.
7946	[SSL]An unnecessary RSA certificate was supplied.
<i>Cause</i>	An attempt was made to start the proxy server with an RSA certificate, but SSL is not enabled or no cipher suite from the specified cipher suite list requires an RSA certificate.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the Network parameter in the SequeLink Proxy Server configuration file. ■ Check the CipherSuites parameter in the SequeLink Proxy Server configuration file. ■ Check the RSACertificate parameter in the SequeLink Proxy Server configuration file.
7947	[SSL]An unnecessary RSA privatekey was supplied.
<i>Cause</i>	An attempt was made to start the SequeLink Proxy Server with an RSA private key, but SSL is not enabled or no cipher suite from the specified cipher suite list requires an RSA private key.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the Network parameter in the SequeLink Proxy Server configuration file. ■ Check the CipherSuites parameter in the SequeLink Proxy Server configuration file. ■ Check the RSAPrivateKey parameter in the SequeLink Proxy Server configuration file.

7948	[SSL]An unnecessary DSS certificate was supplied.
<i>Cause</i>	An attempt was made to start the SequeLink Proxy Server with a DSS certificate, but SSL is not enabled or no cipher suite from the specified cipher suite list requires a DSS certificate.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the Network parameter in the SequeLink Proxy Server configuration file. ■ Check the CipherSuites parameter in the SequeLink Proxy Server configuration file. ■ Check the DSSCertificate parameter in the SequeLink Proxy Server configuration file.

7949	[SSL]An unnecessary DSS privatekey was supplied.
<i>Cause</i>	An attempt was made to start the SequeLink Proxy Server with a DSS private key, but SSL is not enabled or no cipher suite from the specified cipher suite list requires a DSS private key.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the Network parameter in the SequeLink Proxy Server configuration file. ■ Check the CipherSuites parameter in the SequeLink Proxy Server configuration file. ■ Check the DSSPrivateKey parameter in the SequeLink Proxy Server configuration file.

7950	[SSL]An unnecessary value for the UsePassPhraseDialog was supplied.
<i>Cause</i>	The SequeLink Proxy Server is started without SSL enabled or only anonymous cipher suites; therefore, a pass phrase does not need to be supplied.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the UsePassPhraseDialog parameter in the SequeLink Proxy Server configuration file. ■ Check the Network parameter in the SequeLink Proxy Server configuration file. ■ Check the CipherSuites parameter in the SequeLink Proxy Server configuration file.

7951	[SSL]An unnecessary pass phrase was supplied.
<i>Cause</i>	The SequeLink Proxy Server is started without SSL enabled or only anonymous cipher suites; therefore, a pass phrase does not need to be supplied.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the PassPhrase parameter in the SequeLink Proxy Server configuration file. ■ Check the Network parameter in the SequeLink Proxy Server configuration file. ■ Check the CipherSuites parameter in the proxy server configuration file.

7952	[SSL]You cannot use PassPhrase and UsePassPhraseDialog together.
<i>Cause</i>	The pass phrase required to decrypt the private key from the proxy server is specified in the SequeLink Proxy Server configuration. It is unnecessary to prompt the user (using a dialog box or the console) for the pass phrase.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the UsePassPhraseDialog parameter in the SequeLink Proxy Server configuration file. ■ Check the PassPhrase parameter in the SequeLink Proxy Server configuration file.

7954	[SSL]Unexpected InterruptedException occurred while reading the pass phrase.
<i>Cause</i>	An internal error occurred when requesting the user for the SequeLink Proxy Server pass phrase using a dialog box.
<i>Action</i>	Contact DataDirect Technologies technical support.

7955	[SSL]SSL/TLS handshake failure.
<i>Cause</i>	The client attempted to make an SSL connection to the SequeLink Proxy Server, but an error occurred during the initial SSL connection setup.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the CipherSuites client connection attribute and the corresponding parameter in the SequeLink Proxy Server configuration file. ■ Check the CertificateChecker client connection attribute. ■ Check the SequeLink Proxy Server log file for more detailed error information.

7956	[SSL]Input of pass phrase interrupted by user.
<i>Cause</i>	Because the SequeLink Proxy Server is configured to use SSL with cipher suites that require access to the private key, the SequeLink Proxy Server prompts at startup for the pass phrase to use to decrypt the private key. This operation has been cancelled from the dialog by the user.
<i>Action</i>	<ul style="list-style-type: none"> ■ Check the Network parameter in the Proxy Server configuration file. ■ Check the CipherSuites parameter in the Proxy Server configuration file.
7981	Unable to allocate memory.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7982	SSL/TLS context already used to create connections so no changes to configuration allowed.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7983	An unknown SSL/TLS version was chosen.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7984	When supporting multiple SSL/TLS versions, SSL2, SSL3 and TLS1 must be enabled.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7985	Unknown cipher suite.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7986	Unsupported cipher suite.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

7987	Error while building list of cipher suites.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7988	SSL/TLS context not fully initialized.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7989	SSL/TLS context not fully initialized: specify enabled cipher suites.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7990	SSL/TLS context not fully initialized: specify enabled SSL/TLS protocol versions.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7991	Internal error: cipher suite has no certificate type defined.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7992	You can not mix cipher suites which require RSA and DSA certificates together.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7993	Cipher suite requires a certificate which isn't supplied.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7994	Client or server authentication is enabled and no trust manager is specified.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
7995	Client authentication is enabled without server authentication.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

7996	Internal error when setting up SSL/TLS context. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
7997	Unable to access private key. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
7998	Unable to access certificate chain. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
7999	Public key in certificate doesn't correspond with the provided private key. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8000	Error while creating SSL/TLS connection. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8001	Error while accepting SSL/TLS connection. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8002	Error while connecting via SSL/TLS. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8003	Error with SSL/TLS handshake: connection is in an unknown or error state. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8004	Error with SSL/TLS handshake. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.

8005	Unable to send: SSL/TLS handshake failure.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8006	Error while sending via SSL/TLS.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8007	Unable to receive: SSL/TLS handshake failure.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8008	Error while receiving via SSL/TLS.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8009	Unable to initialize SSL/TLS context.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8010	Error with cipher suites.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8011	Unknown SSL/TLS context attribute.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8012	Error while initializing random number generator.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8013	SSL/TLS connection is closed, operation not supported.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

8014	Unexpected EOF in SSL/TLS protocol. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8015	TCP/IP error during SSL/TLS protocol. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8016	Unknown SSL/TLS error. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8017	Critical section error. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8018	Error with client SSL/TLS session cache. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8019	Size of the SSL/TLS session cache must be positive. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8020	Time out value of a SSL/TLS session must be positive. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8021	Error while filling in SSL/TLS connection info. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.
8022	Error while generating temporary RSA key. <i>Cause</i> An internal error occurred. <i>Action</i> Contact DataDirect Technologies technical support.

8023	Certificate library error.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8024	Key manager error.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8025	Trust manager error.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8026	Unknown cipher suite.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8027	Unknown protocol suite.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8028	Internal error, stub function called.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8476	Memory allocation failure.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8477	Open SSL error.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
8478	No certificates in certificate chain.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.

8479	No top level certificate found in certificate chain.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
9501	Handshake failure: You are trying to connect to a server that is not a SequeLink Server.
<i>Cause</i>	An attempt was made to connect to a server that is not a SequeLink Server.
<i>Action</i>	Make sure that the connection information configured at the SequeLink Client is specified correctly to connect to the SequeLink Server.
9502	Handshake failure: A protocol error occurred during the connection setup.
<i>Cause</i>	An attempt was detected to connect to a SequeLink Server running an incompatible version of SequeLink.
<i>Action</i>	Verify that the versions of your SequeLink Client and SequeLink Server are compatible. Contact DataDirect Technologies technical support, if necessary.
9503	Handshake failure: You are trying to connect to a server running an incompatible version of SequeLink Server.
<i>Cause</i>	The SequeLink Client is incompatible with the version of the SequeLink Server to which it tried to connect.
<i>Action</i>	Verify that the versions of your SequeLink Client and SequeLink Server are compatible. Contact DataDirect Technologies technical support, if necessary.
9509	Server asked for unknown encryption.
<i>Cause</i>	An internal error occurred.
<i>Action</i>	Contact DataDirect Technologies technical support.
9521	Unsupported authentication mechanism.
<i>Cause</i>	The authentication mechanism specified in the server configuration is not supported by this version of the .NET data provider or no authentication mechanism is specified.
<i>Action</i>	Check the "ServiceAuthMethods" service attribute in your SequeLink Server configuration.

9522	Invalid OEM id.
<i>Cause</i>	The OEM id specified was not valid.
<i>Action</i>	Contact DataDirect Technologies technical support.
9523	Graphic data is not supported by this version of the .NET provider.
<i>Cause</i>	This version of the .NET data provider does not support graphic data.
<i>Action</i>	Check your .NET application.
9532	Encryption algorithm not supported in this version.
<i>Cause</i>	The encryption algorithm specified in the server configuration is not supported by this version of the .NET data provider.
<i>Action</i>	Check the “ServiceEncryptionAlgorithm” service attribute in your SequeLink server configuration. Refer to the <i>SequeLink Administrator’s Guide</i> for information about service attributes.
9535	Connection timed out.
<i>Cause</i>	Establishing a connection to SequeLink server timed out.
<i>Action</i>	Specify a larger value for the Connection Timeout option in your connection string.
9536	Command canceled.
<i>Cause</i>	The command was successfully canceled by the user.
<i>Action</i>	None.

Part 3: z/OS Log Messages and Reference

This part contains the following chapters:

- [Chapter 6 “Overview of z/OS Log Messages” on page 247](#)
describes how z/OS log messages are organized and formatted.
- [Chapter 7 “z/OS Messages and Descriptions” on page 249](#)
lists z/OS log messages that may be generated and provides a description for each message.
- [Chapter 8 “SAS/C Runtime Library Messages” on page 319](#)
describes how SequeLink Server and SequeLink Manager report messages generated by the SAS/C run-time library.

6 Overview of z/OS Log Messages

This chapter describes how z/OS log messages are organized and formatted, including:

- Message categories
- Severity ratings
- Message descriptions

Message Categories

The messages written to the primary and secondary log files can be generated by SequeLink Server or by the SequeLink Server DB2 service. Some messages provide information about events in various parts of the system; others report where errors have occurred.

z/OS log messages are divided into sections and organized into the following message categories:

- Operator Interface messages
- SMF Interface messages
- DB2 Application Interface messages
- Multiplatform messages
- Server controller messages
- ThreadPool Interface messages
- Resource Manager messages

SequeLink errors are not logged in the log files. See [Chapter 4 “Overview of Error Codes and Messages” on page 91](#) for more information about SequeLink Error Codes and Messages.

Message Severity

z/OS log messages have six severity levels. These severity levels, listed in order of least severe to most severe, are:

- Information
- Trace
- Warning
- Error
- Severe
- Fatal

Message Descriptions

Each z/OS log message contains the following information:

Severity:	This is the security level of the message.
Explanation:	This indicates the most probable reason for the message.
System action:	This summarizes how the system reacts to the message.
User response:	This indicates the action you should take.

7 z/OS Messages and Descriptions

This chapter lists z/OS log messages that you may see in the primary VAILOGP or secondary VAILOGS Service debug log files.

NOTE: The first message of the service debug log file contains the version of the SequeLink Server you are running.

Operator Interface Messages

This section contains z/OS log messages generated by VAICOPRI, which handles operator interface processing.

- VAIC033I** Occurs when trying to execute LOGR PRINT.
- Severity: Information
- Explanation: If the VAILOGP is sent to SYSOUT, it cannot be printed with SequeLink commands.
- System action: The VAILOGP is not printed.
- User response: Use the JES commands to print VAILOGP.
- VAIC100I** Unknown operator command type (not modify or stop) - Probable internal error.
- Severity: Information
- Explanation: The operator interface component of the server system received an unknown command type from an operator's console.

System action: Processing continues; the command is ignored.

User response: This is an internal error. Report this message to DataDirect Technologies technical support.

VAIC101T Command in: command.

Severity: Trace

Explanation: The operator interface component of the server system received the specified command from the operator's console.

System action: Not applicable.

User response: None.

VAIC102I Parse failure on operator command ... format expected is: ROUTID VERB F1= ..fld.. F2=..fld.. etc.

Severity: Information

Explanation: The operator interface component of the server system received an incorrect command from the operator's console. The command received did not follow the expected format.

System action: The entered command is ignored.

User response: Check the syntax of the command and reenter the correct command.

VAIC103I Command indicated an unsupported ROUTE ID.

Severity: Information

Explanation: The operator interface component of the server system received an incorrect command from the operator's console. The command received contained an invalid route or component ID.

System action: The entered command is ignored.

User response: Check the syntax of the command and reenter the correct command.

VAIC104I Command indicated an unsupported verb verbname.

Severity: Information

Explanation: The operator interface component of the server system received an incorrect command from the operator's console. The command contained an invalid verb.

System action: The entered command is ignored.

User response: Check the syntax of the command and reenter the correct command.

VAIC105I Required parameter field missing from command.

Severity: Information

Explanation: The operator interface component of the server system received an incorrect command from the operator's console. The command that was entered had a required field missing.

System action: The entered command is ignored.

User response: Check the syntax of the command and reenter the correct command.

VAIC106I Unknown parameter field in command.

Severity: Information

Explanation: The operator interface component of the server system received an incorrect command from the operator's console. The command that was entered included an unknown field.

System action: The entered command is ignored.

User response: Check the syntax of the command and reenter the correct command.

VAIC107I Extraneous parameter name in command.

Severity: Information

Explanation: The operator interface component of the server system received an incorrect command from the operator's console. The command that was entered included an unknown parameter (parameter name).

System action: The entered command is ignored.

User response: Check the syntax of the command and reenter the correct command.

- VAIC108I** Command parameter field exceeds maximum length.
- Severity: Information
- Explanation: The operator interface component of the server system received an incorrect command from the operator's console. The command that was entered included a parameter field with a length which exceeded the maximum allowed.
- System action: The entered command is ignored.
- User response: Check the syntax of the command and reenter the correct command.
- VAIC109T** ** Command accepted for routing (CONSOLE ID = ID).
- Severity: Trace
- Explanation: The operator interface component of the server system received a command from the operator's console. The command passed all validity checking by the operator interface component. The command originated from the console identified by the stated console ID.
- System action: Not applicable.
- User response: None.
- VAIC110I** Unrecognized parameter field(s) in command.
- Severity: Information
- Explanation: The operator interface component of the server system received a command from the operator's console. The command that was entered included an unknown parameter.
- System action: The entered command is ignored.
- User response: Check the syntax of the command and reenter the correct command.
- VAIC111S** Not able to assign command buffer - internal error.
- Severity: Severe
- Explanation: The operator interface component of the server system received a command from the operator's console. The operator interface (VAICOPRI) was unable to assign a storage buffer to the command.

System action: The entered command is ignored.

User response: This is an internal error. Report this message to DataDirect Technologies technical support.

VAIC113F VAICOPRI - Error loading VAICOPRI-VAICCMDS - Terminating.

Severity: Fatal

Explanation: The operator interface component of the server system failed in its attempt to load one of its external routines.

System action: The server system abends with an abend code of U146.

User response: Verify the integrity of the server's executable library. Recover the library from a backup tape, if necessary. Contact DataDirect Technologies technical support for assistance, if you are unable to correct the library failure.

VAIC114S VAICOPRI -TACB search for COMPONENT component ID failed - command ignored.

Severity: Severe

Explanation: The operator interface component of the server system received a command from the operator's console. The command contained the stated route or component ID, but the system could not locate a corresponding component.

System action: The entered command is ignored.

User response: Ensure that the component ID specified in the command is currently enabled within your Server system. If the specified component is enabled and you still receive this message, contact DataDirect Technologies technical support.

VAIC115I Operator interface initialization completed OK.

Severity: Information

Explanation: The operator interface component of the server system successfully completed initialization.

System action: The operator interface component will accept control commands.

User response: None.

VAIC117E You are not authorized to issue command.

Severity: Error

Explanation: You have attempted to issue an operator command for which you have inadequate authorization.

System action: The command is ignored.

User response: If necessary, ask your system administrator to update your security access.

Refer to the *SequeLink Administrator's Guide* for information about different types of security access.

VAIC118I CommandPrefix character(s) missing or blank.

Severity: Information

Explanation: Specifying a non-blank CRC causes the SSI to be activated. This message informs you that the SSI will be inactive because the CommandPrefix character (CP) was either omitted from the DataModel or specified as blank.

System action: The SequeLink for z/OS SSI is not activated.

User response: The default CP is blank, meaning the SSI will *not* be activated if the CP is not explicitly specified in the DataModel. If the SSI is to be activated, specify a non-blank DataModel CP value and restart SequeLink for z/OS.

VAIC119I SSID missing/blank or has an invalid Length.

Severity: Information

Explanation: The SequeLink for z/OS subsystem ID (SSID) was either omitted from SYSINI or specified as blank.

System action: The SequeLink for z/OS SSI is not activated.

User response: If the SSI is to be activated, correct the SYSINI SSID value and restart SequeLink for z/OS.

VAIC120E SSI SSCT construction failure.

Severity: Error

Explanation: During initialization of the SequeLink for z/OS SSI, an error occurred attempting to construct the SSCT structure. The most probable reason is CSA space could not be obtained.

System action: The SequeLink for z/OS SSI is not activated.

User response: Report this error to DataDirect Technologies technical support.

VAIC121E SSI activation failure.

Severity: Error

Explanation: Activation of the SequeLink for z/OS SSI was unsuccessful.

System action: The SequeLink for z/OS SSI is not activated.

User response: This message is usually preceded by either VAIC124E or VAIC126E; check that message for the appropriate action. Otherwise, contact DataDirect Technologies technical support.

VAIC122I CommandPrefix(pppppppp) used for SubSystem(ssss).

Severity: Information

Explanation: Messages showing information about Subsystem Interface setup, where:

ssss– Is the Subsystem Name

pppppppp– Is the CommandPrefix

System action: Not applicable.

User response: None.

VAIC123E SSI (ssss) is in use by another SequeLink for z/OS.

Severity: Error

Explanation: SequeLink for z/OS SSI initialization detected an active SSI (SSid) for the SSID specified in the SYSINI. SequeLink Server starts up normally, but the command recognition character cannot be used to issue SequeLink commands. Change the SYSINI and use an available SSID.

System action: None.

User response: None.

VAIC124E SSI(ssss) not associated with SequeLink MVS.

Severity: Error

Explanation: SubsystemName ssss already in use by another Subsystem.

System action: None.

User response: Choose another SubsystemName for use by SequeLink.

VAIC126E Invalid CommandPrefix(pppp) for Subsystem(ssss), rc=xx reason=yy.

Severity: Error

Explanation: SubsystemName ssss already in use by another Subsystem.

System action: None.

User response: Probably *pppp* is a subset of an existing CommandPrefix. Use MVS 'DISPLAY OPDATA' command to check this. Also, see the z/OS CPF macro for rc and reason codes.

DB2 Application Support Package Messages

This section contains z/OS log messages generated by DB2ASP modules. DB2ASP handles the server DB2 access.

VAID000I Successful connection to DB2(ssss).

Severity: Information

Explanation: SequeLink for z/OS is connected to DB2 address space "ssss" (DB2 subsystem ID) and ready to accept DB2 session requests.

System action: None.

User response: None.

VAID001I DB2(ssid) initialization completed, yyyy attachment.

Severity: Information

Explanation: Initialization to DB2 subsystem completed using either CAF or RRSF attachment.

System action: None.

User response: None.

VAID003I DB2 (ifid) is now active.

Severity: Information

	Explanation:	DB2ASP has detected that the previously inactive DB2 system <i>ifid</i> (DB2 interface ID) has now become active.
	System action:	The SequeLink for z/OS DB2 environment is initialized.
	User response:	DB2 session requests will now be permitted.
VAID004I		DB2 (<i>ifid</i>) is terminating.
	Severity:	Information
	Explanation:	DB2ASP has detected that DB2 <i>ifid</i> is about to terminate.
	System action:	All current DB2 sessions will be aborted and DB2ASP will proceed according to the SYSINI DB2STOPOPT specification.
	User response:	None.
VAID005E		Connection to DB2(ssss) failed. R15=X' <i>rc</i> '. R0=X' <i>reason</i> '.
	Severity:	Error
	Explanation:	Connection to DB2 address space "ssss" failed. " <i>rc</i> " and " <i>reason</i> " are the return/reason codes for the failure.
	System action:	If the error is "DB2 inactive", DB2ASP will enter a dormant state and wait for DB2 to come back up. Any other error causes DB2ASP to terminate with RC=08. Note that this message will <i>always</i> be issued when DB2ASP has detected that DB2 has gone inactive, <i>and</i> the user wants to maintain the connection to the DB2 address space (DB2STOPOPT is "LEAVE").
	User response:	Situation-dependent.
VAID006I		Waiting for DB2(ssss) to become active.
	Severity:	Information
	Explanation:	DB2ASP is waiting for DB2 "ssss" to become active. Issued after message VAID005E when the error was "DB2 inactive".
	System action:	DB2ASP enters a dormant state and waits for DB2 "ssss" to become active.
	User response:	Start-up DB2 address space "ssss".
VAID007E		Disconnection to DB2(ssss) failed. R15=X' <i>rc</i> '.R0=X' <i>reason</i> '.
	Severity:	Error

Explanation: Disconnection from DB2 address space "ssss" failed. "rc" and "reason" are the return/reason codes for the failure.

System action: DB2ASP continues, but this may be a serious error.

User response: Contact DataDirect Technologies technical support.

VAID008E Datamodel - aaaaaaaaaaaaaaaaa syntax error.

Severity: Error

Explanation: Required Datamodel attribute for this DB2 root task is missing or has a syntax error - aaaaaaaaa describes the attribute.

System action: No attachment is set up to the corresponding DB2 subsystem.

User response: Correct or supply missing attribute in the DataModel and restart the server.

VAID010E Abnormal termination detected in DB2 (*ifid*) thread manager- DB2ASP terminating.

Severity: Error

Explanation: The DB2ASP thread manager (VAICDB2T) of DB2 interface ifid abnormally terminated.

System action: DB2ASP terminates with RC=08.

User response: Contact DataDirect Technologies technical support.

VAID011E Setup ContextCleanup Problem - tttttttttttt.

Severity: Error

Explanation: Setup for automatic cleanup of RRS context(s) failed for reason tttttttttttt, where tttttttttttt is either 'invalid EntryPoint VAICRRSM' or 'SET_TIM routine failed'.

System action: Initialization continues; no ContextCleanup will be done.

User response: Contact DataDirect Technologies technical support.

- VAID012E** Syntax error/invalid value in DB2ASP command.
- Severity: Error
- Explanation: DB2ASP operator request contained a syntax error or the parameter value was rejected.
- System action: Self-explanatory.
- User response: Correct the command and re-enter.
- VAID014E** Tttttttt - Error detected in VAICDB2I - <error description>
- Severity: Error
- Explanation: This message is an internal error. <error description> shows one of the errors:
- "No valid TACBUID2"
 - "No DB2Plan passed"
 - "No DBWA for Service"
 - "Wrong DB2attachment"
 - "DB2 not active"
- System action: None.
- User response: If DB2 not active, start DB2. For all other cases, this is an internal error. Contact DataDirect Technologies technical support.
- VAID015E** Loadmodule VAICRRSM could not be loaded.
- Severity: Error
- Explanation: The Loadmodule fetch failed.
- System action: Initialization continues; no ContextCleanup will be done.
- User response: Check that loadmodule VAICRRSM is installed in steplib.
- VAID016W** Subsystem name xxxx found in DSNHDECP module, expected to find Subsystem yyyy.
- Severity: Warning
- Explanation: SequeLink detected a DB2 SubsystemName mismatch in DSNHDECP module.

System action: SequeLink Server continues startup.

User response: Make sure the correct SDSNEXIT library for yyyy DB2 subsystem is concatenated to DB2 Interface DD statement. Change MVSDB2ExitLibrary attribute in Configuration file and regenerate SequeLink Server JCL.

VAID020T *Tttttttt* - DB2SQL - *ssssssssssssssssssssss* to be executed

Severity: Trace

Explanation: This messages shows which DB2 StatementType is about to be passed to DB2.

System action: None.

User response: None.

VAID021E *Tttttttt* - Abend in DB2 while an *ssssssssssssssssssssss* StatementType is executing.

Severity: Error

Explanation: SequeLink Server trapped an abend in DB2. This error shows the DB2 StatementType active in DB2 when this event happened onThrdid *Tttttttt*.

System action: None.

User response: See the Reason and AbendCode in the VAID046E message for more information.

VAID024I, *UserID Thread# Service Plan Net Stat SQLcalls*
VAID025I

Severity: Information

Explanation: The following information is displayed when a DB2 STATUS command is issued:

- *UserID*—client userid
- *Thread#* —thread number
- *Service*—service requested by client
- *Plan*—DB2 plan being used
- *Net*—network platform (TCP or APPC)
- *Stat*—thread status
- *OPEN*—thread is open.
- *DISC*—thread is disconnected.
- *CLOS*—thread is closed.
- *RLSE*—thread is eligible for release (reuse).
- *WAIT*—thread is waiting for an available thread.
- *SQLcalls*—number of SQL calls is issued by the session.

NOTE: This field will always be OPEN if thread management is inactive.

VAID027I Connection to DB2(ssss) is ccccc, DB2 STOPOPT is ooooo.

Severity: Information

Explanation: This message is displayed when a DB2 STATUS command is issued.

ssss - is the subsystem ID of the DB2 address space.

cccc - is either ACTIV or INACT.

oooo - is the DB2 stop option specified in the SYSINI.

System action: None.

User response: None.

VAID028I Already connected to DB2-request ignored.

Severity: Information

Explanation: An operator issued a DB2 CONNECT command, but SequeLink for z/OS was already connected to the DB2 address space.

System action: Command ignored.

User response: None.

VAID029I Already disconnected from DB2-request ignored.

Severity: Information

Explanation: An operator issued a DB2 DISCONNECT command, but SequeLink for z/OS was already disconnected from the DB2 address space.

System action: Command ignored.

User response: None.

VAID030I Issuing DB2 ccccccc per operator request.

Severity: Information

Explanation: DB2ASP is executing DB2 request "ccccccc" (CONNECT or DISCONN) in response to an operator request.

System action: DB2 request "ccccccc" is issued.

User response: None.

VAID031I ID (*ifid*) is an unknown DB2 interface.

Severity: Information

Explanation: DB2 interface ID "*ifid*" is not known.

System action: The DB2 command is ignored.

User response: Correct "*ifid*" and reissue the command.

VAID032I Db2 interface (*ifid*) is currently busy.

Severity: Information

Explanation: DB2 interface "*ifid*" is temporarily unable to process the requested DB2ASP command.

System action: The DB2ASP command is ignored.

User response: Reissue the command.

VAID033E Syntax error/invalid value in DB2ASP command.

Severity: Error

Explanation: DB2ASP command contains invalid data.

	System action:	Command is ignored.
	User response:	Use correct syntax for DB2ASP command.
VAID034I		There are no configured DB2 interfaces.
	Severity:	Information
	Explanation:	A DB2 SHOW command detected no DB2 interfaces.
	System action:	None.
	User response:	None.
VAID035I		DB2 interface (<i>ifid</i>) associated with (<i>ssid</i>).
	Severity:	Information
	Explanation:	Normal output of a DB2 SHOW command.
	System action:	None.
	User response:	None.
VAID036F		Db2 module <i>mmmmmm</i> not loaded for Interface <i>dddd</i> .
	Severity:	Fatal
	Explanation:	DB2ASP command contains invalid data.
	System action:	Abend Server abend code User 801.
	User response:	Check that the correct DB2 Load Libraries are Concatenated to DD statement DB2ifid and are for the correct DB2 version.
VAID037I		Server ASID(<i>asid/asidx</i>) DB2 version (<i>xxxx</i>), Attachment(<i>aaaaa</i>).
	Severity:	Information
	Explanation:	This message is issued when DB2 STATUS command is entered, and is preceded by VAID027I message.
	System action:	None.
	User response:	None.
VAID038W		ATTACHMENT=RRSAF incompatible with DB2 (<i>xxxx</i>), CAF substituted.
	Severity:	Warning
	Explanation:	RRSAF attachment requested, see GlobalDB2attachment attribute in DataModel, but RRSAF is incompatible with the current DB2 version.

System action: Use CAF attachment to DB2.

User response: Change GlobalDB2attachment to CAF.

VAID039I xxxx waiting for RRS/MVS to become active.

Severity: Information

Explanation: RRSF attachment requires RRS to be active.

System action: Server continues initialization, but DB2 services will not be available.

User response: Either use CAF attachment, or activate RRS.

VAID040T Tracing Information - not documented.

Severity: Trace

Explanation: Internal use.

System action: None.

User response: None.

VAID041T Tracing Information - not documented.

Severity: Trace

Explanation: Internal use.

System action: None.

User response: None.

VAID042E ccccccc Command ignored - tttttttttttttttttttttttttttttttttttt

Severity: Error

Explanation: RRS RELEASE or LIST command has been ignored for reason #####.

System action: The command is ignored.

User response: Correct the command.

VAID043T *Tttttttt - Corrid(cccccc) Prim.Auth(authid) User(uuuuuuuu) ACEE(aaaaaaaaaa)
ActTk(tttttt).*

Severity: Trace

Explanation: Auth_Signon RRSAF call parameters for connection *Tttttttttt*.

	System action:	None.
	User response:	None.
VAID044T	Tracing Information - not documented.	
	Severity:	Trace
	Explanation:	Internal use.
	System action:	None.
	User response:	None.
VAID045T	Tracing Information - not documented.	
	Severity:	Trace
	Explanation:	Internal use.
	System action:	None.
	User response:	None.
VAID046T	<i>Tttttttt</i> - DB2 abend(-----) ReasonCode(rrrrrrrr) trapped in DB2SQL transformed as SQLCODE(-999) to application.	
	Severity:	Trace
	Explanation:	DB2 abended with S04E/S04F abend, with reasoncode(rrrrrrrr). The Unit of Work (UOW) for connection <i>tttttttt</i> will be rolled back.
	System action:	The UOW will be rolled back. The connection will end.
	User response:	Refer to the reason code in your DB2 documentation for the recommended user response.
VAID047T	Tracing Information - not documented.	
	Severity:	Trace
	Explanation:	Internal use.
	System action:	None.
	User response:	None.
VAID048T	Tracing Information - not documented.	
	Severity:	Trace
	Explanation:	Internal use.

System action: None.

User response: None.

VAID050E *Tttttttt* - RRS(callname) ReturnCode(*rrrrrrrr*).

Severity: Error

Explanation: The given RRS-call failed for reason *rrrrrrrr*.

System action: User logon or thread association will fail.

User response: Refer to the Resource Recovery information in your MVS programming documentation for the explanation and action.

VAID051E *Tttttttt* - RRSAF(callname) ReturnCode(*rrrrrrrr*) ReasonCode(*rrrrrrrr*).

Severity: Error

Explanation: The given RRSAF-call failed.

System action: User logon or Thread association failed.

User response: Refer to the reason code in your DB2 documentation for the recommended user response.

VAID052E *Tttttttt* - CAF(callname) ReturnCode(*rrrrrrrr*) ReasonCode(*rrrrrrrr*).

Severity: Error

Explanation: The given CAF-call failed.

System action: User logon will fail.

User response: Refer to the reason code in your DB2 documentation for the recommended user response.

VAID053T *Tttttttt* - CTXBEGC Contxt(*context*) RmToken(*rmtoken*).

Severity: Trace

Explanation: Arguments passed to the RRS Begin_Context service.

System action: None.

User response: None.

VAID054T *Tttttttt* - CTXSWCH Contxt(*context*) DisAssocContxt(*context*).

Severity: Trace

Explanation: Arguments passed to the Switch_Context RRS service.

System action: None.

User response: None.

VAID055T *Tttttttt* - CTXEND Contxt(*context*) ComplType(*type*).

Severity: Trace

Explanation: Arguments passed to the End_Context RRS service.

System action: None.

User response: None.

VAID056T *Tttttttt* - Dispatched on WorkerThread(TWORK*nnn*)

Severity: Trace

Explanation: Connection *Tttttttt* was dispatched on worker thread *nnn* of the threadpool.

System action: None.

User response: None.

VAID057T *Tttttttt* - Leaving WorkerThread(TWORK*nnn*).

Severity: Trace

Explanation: Connection *Tttttttt* is leaving worker thread *nnn* of the threadpool.

System action: None.

User response: None.

VAID060I *ThreadId* *RRSAF* *State* *Age*.

Severity: Information

Explanation: This is the Header message resulting from the 'RRS LIST' operator command.

System action: None.

User response: None.

VAID061I *ThreadId* *RRSAF* *State* *Age*.

Severity: Information

	<p>Explanation: This is the Detail message resulting from the 'RRS LIST ' operator command where:</p> <p><i>ThreadId</i>: Identifies the thread.</p> <p><i>RRSAF State</i>: The RRSAF State of the DB2 thread is one of the following:</p> <ul style="list-style-type: none">■ REUSABLE: DB2 thread can be reused or released.■ FLAGFORREUSE: DB2 thread is flagged for reuse.■ INUSE: DB2 thread is in use. <p><i>Age</i>: Indicates how many seconds this DB2 thread is in REUSABLE state.</p> <p>System action: None.</p> <p>User response: None.</p>
VAID062I	<p>Total <i>nnn</i> DB2Thread(s), peak <i>mmm</i> DB2Threads used.</p> <p>Severity: Information</p> <p>Explanation: This is the response to the RRS LIST command.</p> <p>System action: None.</p> <p>User response: None.</p>
VAID063I	<p><i>nnn</i> DB2Thread(s) released.</p> <p>Severity: Information</p> <p>Explanation: This is the response from the RRS RELEASE operator command.</p> <p>System action: <i>nnn</i> number of DB2 thread(s) were released.</p> <p>User response: None.</p>
VAID064I	<p><i>ThreadId</i> - Logon request from <i>aaa.aaa.aaa.aaa</i> for userid <i>uuuuuuuu</i> data source <i>dddddddd</i>.</p> <p>Severity: Information</p>

Explanation: This message is the result of a logon command where:
ThreadId: Identifies the thread.
aaa.aaa.aaa.aaa: Identifies the client IP address
uuuuuuuuu: Identifies the userid validated by the SAF z/OS security system.
dddddddd: Identifies the server data source used by the user.

System action: *uuuuuuuu* will be used as Primary Authid for DB2.

User response: None.

VAID065I *ThreadId* - Logon from *aaa.aaa.aaa.aaa* userid *uuuuuuuuu* mapped to *mmmmmmmm* uidmap *pppppppp* data source *dddddddd*.

Severity: Information

Explanation: This message results from a logon command with a mapped user where:
ThreadId: Identifies the thread.
aaa.aaa.aaa.aaa: Identifies the client IP address.
uuuuuuuuu: Identifies the userid validated by the SAF z/OS security system.
mmmmmmmm: Identifies the name of mapped user.
pppppppp: Identifies the the name of the UID map specified in MVSDDataSourceUIDMap.
dddddddd: Identifies the server data source used by the user.

System action: *mmmmmmmm* will be used as Primary Authid for DB2.

User response: None.

VAID066I *Tttttttt* - Anonymous logon request from *aaa.aaa.aaa.aaa* userid Unknown mapped to *mmmmmmmm* uidmap *pppppppp* datasource *dddddddd*.

Severity: Information

Explanation: This message results from a logon command for anonymous access where:
aaa.aaa.aaa.aaa is a client IP address.
mmmmmmmm: Identifies the name of mapped user.
pppppppp: Identifies the name of the UID map specified in MVSDDataSourceUIDMap.
dddddddd: Identifies the server data source used by the user.

System action: *mmmmmmmm* will be used as the Primary Authid for DB2.

User response: None.

VAID067I *Tttttttt* - Logged off.

Severity: Information

Explanation: The connection is logged off from DB2.

System action: DB2 resources are committed.

User response: None.

VAID068W *Tttttttt* - Logged off abnormally.

Severity: Warning

Explanation: The connection is logged off abnormally from DB2.

System action: DB2 resources are Rolled back.

User response: None.

VAID069W ServiceDB2MaxThreads(*nnn*) lower then ServiceMaxThreads(*mmm*).

Severity: Warning

Explanation: Configuration conflict.

System action: The value of ServiceMaxThreads will be used to limit the maximum number of DB2 threads allowed.

User response: Increase the value of the dynamic ServiceDB2MaxThreads parameter. Verify that the new value is lower than the MAX BATCH CONNECT parameter in the Thread management panel (DSNTIPE) of the DB2 installation, and greater than ServiceMaxThreads in SequeLink Configuration file.

- VAID070W** *Tttttttt* - Maximum of allowed DB2Threads(*nnnn*) reached.
- Severity: Warning
- Explanation: The connection will not obtain a DB2 thread.
- System action: Either the Logon fails or the client connection is unable to use DB2 (sqlcode =-981).
- User response: Increase the value of the dynamic ServiceDB2MaxThreads parameter, and verify that this value is lower than the MAX BATCH CONNECT parameter in the Thread management panel (DSNTIPE) of the DB2 installation.
- VAID072T** VAICDB2R - IFI command *cccccccccccccccc* IFCARC1(rc1) IFCARC2(rc2).
- Severity: Trace
- Explanation: When canceling a DB2Thread, IFI command *cccccccccccc* issued with corresponding returncodes is displayed.
- System action: None.
- User response: None.
- VAID073I** VAICDB2R - Thrld(*ttttttt*) found in output DISPLAY THREAD command, token(*nnnn*) extracted.
- Severity: Information
- Explanation: The DB2 token *nnnn*, which is extracted with the DISPLAY THREAD command for the Connection *ttttttt* active on DB2Thread that will be canceled, is displayed.
- System action: None.
- User response: None.
- VAID074E** VAICDB2R - Thrld(*ttttttt*) not found in output DISPLAY THREAD command.
- Severity: Error
- Explanation: Thrld *ttttttt* was not found in the output DISPLAY THREAD command.
- System action: None.
- User response: None.
- VAID075E** VAICDB2R - Thrld(*ttttttt*) found in output DISPLAY THREAD command, But Thrld is not active.
- Severity: Error

Explanation: ThrdId *ttttttt* found in output DISPLAY THREAD command, but is not active in DB2.

System action: None.

User response: None.

VAID076I VAICDB2R - Canceling DB2Thread with Token(nnnn) for ThreadId(tttttttt).

Severity: Information

Explanation: The DB2Thread with token *nnnn* on which ThreadId *ttttttt* is active in DB2, is canceled when requested by a KILL command or during Shutdown with Type=immed.

System action: Either the Logon fails or the client connection is unable to use DB2 (sqlcode =-981).

User response: SequeLink, when requested by a KILL command or during shutdown, terminates the connection and cancels the DB2Thread only if the connection is still active in DB2.

VAID077E VAICDB2R - Cancel THRDID - invalid format specified.

Severity: Error

Explanation: Internal error when trying to Cancel a DB2Thread.

System action: None.

User response: Contact DataDirect Technologies technical support.

VAID100E VAICRRSM abend *aaaa*.

Severity: Error

Explanation: Program VAICRRSM is returned with abend *aaaa*.

System action: Either the RRS command or the automatic ContextCleanup failed.

User response: Contact DataDirect Technologies technical support.

VAID101I *ThreadId UR identifier UR state.*

Severity: Information

Explanation: This message is always generated as the title for the RRS LIST command report output.

System action: Processing continues normally.

User response: None.

VAID102E *ThreadId UR identifier UR state.*

Severity: Error

Explanation: A stored procedure abended.

System action: The stored procedure is not executed and the service returns the SQL code.

User response: Correct the stored procedure.

VAID103W *ThreadId UR identifier UR state.*

Severity: Warning

Explanation: The explanation depends on the exact nature of the problem.

System action: The system action depends on the exact nature of the problem.

User response: The user response depends on the exact nature of the problem.

VAID104I *ThreadId UR identifier UR state.*

Severity: Information

Explanation: The explanation depends on the exact nature of the problem.

System action: The system action depends on the exact nature of the problem.

User response: The user response depends on the exact nature of the problem.

VAID105T *ThreadId UR identifier UR state.*

Severity: Trace

Explanation: The explanation depends on the exact nature of the problem.

System action: The system action depends on the exact nature of the problem.

User response: The user response depends on the exact nature of the problem.

Multiplatform Log Messages

Some log messages are generated by a Service Task, and are not platform-specific. These messages begin a service name and in some cases a threadid, followed by the name of the service and a specific error message.

See [Chapter 5 “Error Messages” on page 101](#) for the specific details on the error code.

VAIL021E	<i>Tnnnnnnnn—ServiceName@Hostname>,ErrorCode=<xxxx>, ErrorMessage=<ttttttttt>.</i> Severity: Error Explanation: This is a generic message that is used for different purposes.
VAIL022W	<i>Tnnnnnnnn—ServiceName@Hostname>,ErrorCode=<xxxx>, ErrorMessage=<ttttttttt>.</i> Severity: Warning Explanation: The explanation depends on the exact nature of the failure. System action: The system action depends on the exact nature of the failure. User response: The user response depends on the exact nature of the failure.
VAIL023I	<i>Tnnnnnnnn—ServiceName@Hostname>,ErrorCode=<xxxx>, ErrorMessage=<ttttttttt>.</i> Severity: Information Explanation: The explanation depends on the exact nature of the failure. System action: The system action depends on the exact nature of the failure. User response: The user response depends on the exact nature of the failure.

- VAIL024T** Tnnnnnnn—ServiceName@Hostname>, ErrorCode=<xxxx>, ErrorMessage=<tttttttt>.
- Severity: Trace
- Explanation: The explanation depends on the exact nature of the failure.
- System action: The system action depends on the exact nature of the failure.
- User response: The user response depends on the exact nature of the failure.
- VAIL109T** Thrldid(tttttttt) SAPI passing control to Application.
- Severity: Trace
- Explanation: After the worker thread was initialized, control was passed to the application.
- System action: None.
- User response: None.
- VAIL112E** Thrldid(_____) SAPI control returned from Application with rc(____).
- Severity: Error
- Explanation: The ServiceApplication returned from MAIN with a nonzero return code.
- System action: If rc= 8, the Thread Control Block (TCB) will be abended to force DB2 to roll back the Unit of Work (UOW). This message is followed by VAIL113E. If any other return code is reported, the return code is ignored.
- User response: None.
- VAIL113E** Thrldid(_____) Application requested an Abend.
- Severity: Error
- Explanation: The ServiceApplication returned from MAIN with rc(8).
- System action: This message follows a VAIL112E message. The Thread Control Block will be abended to force DB2 to roll back the Unit of Work.
- User response: None.

- VAIL114E** *Threadid* - SAF service failed for callable service (*callname*); rc=*rr*; reason=*X'ssssssss'*.
- Severity: Error
- Explanation: The given Security Server RACF Callable Service call failed.
 Threadid: Identifies the thread.
 callname: Identifies the name of the callable service, *R_usermap* or *R_ticketerv*.
 rr: Identifies the return code.
 sssssss: Identifies the reason code.
- System action: The user logon will fail.
- User response: Refer to the reason code in your z/OS Security Server RACF Callable Services for the recommended user response.
- VAIL115E** *Threadid* - No RACF user found for principal *pppp*.
- Severity: Error
- Explanation: *Threadid*: Identifies the thread.
 pppp: The Kerberos principal was not defined in the RACF KERBLINK profile.
- System action: The user logon will fail.
- User response: Map the Kerberos principal to a RACF user using the RACF KERBLINK profile.

Server Controller Task Messages

This section contains z/OS log messages generated by VAISMAIN. VAISMAIN handles the server controller tasks.

VAIS001F	Initialization failed: insufficient storage - 01. Severity: Fatal Explanation: Unable to obtain storage for communication area. System action: VAISMAIN terminates with condition code 64. User response: Report this error to DataDirect Technologies technical support.
VAIS002F	Build Data_Model failed: xxxxxxxx. Severity: Fatal Explanation: Problem encountered during a build of SequeLink configuration file, where xxxxxxxxxx describes the problem in more detail. System action: The server abends with abend code 101. User response: xxxxxxxx= 'VAISMNDM did not complete within time frame'. For all other reasons, contact DataDirect Technologies technical support.
VAIS005I	DB2 task started, DB2ifid(dddd). Severity: Information Explanation: DB2 root task started to support DB2 service for DB2ifid dddd. System action: None. User response: None.
VAIS006E	DB2Interfaceld has an invalid length. Severity: Error Explanation: The maximum length of DB2Interfaceld is 4 characters.

	System action:	DB2 root task not started.
	User response:	Correct DB2InterfaceID.
VAIS007E	Problem building TACB for DB2ifid=xxxx.	
	Severity:	Error
	Explanation:	DB2 TACB could not be created.
	System action:	DB2 root task not started.
	User response:	Contact DataDirect Technologies technical support.
VAIS008I	XTCP task started.	
	Severity:	Information
	Explanation:	Extended TCP/IP listener task started.
	System action:	None.
	User response:	None.
VAIS009F	Problem building XTCP TACB.	
	Severity:	Fatal
	Explanation:	XTCP TACB could not be created.
	System action:	The server abends with code 101.
	User response:	Contact DataDirect Technologies technical support.
VAIS010F	No EntityList found.	
	Severity:	Fatal
	Explanation:	No EntityList was passed after SequeLink configuration file build-VAISMNDM.
	System action:	The server abends with code 101.
	User response:	Contact DataDirect Technologies technical support.
VAIS011F	Active Agent failed: could not locate VAISMNDM on TACB chain.	
	Severity:	Fatal
	Explanation:	Internal error.
	System action:	The server abends with code 102.
	User response:	Contact DataDirect Technologies technical support.

VAIS012F	Specification error in SIL LOADTABL entry. Severity: Fatal Explanation: Internal error. System action: The server abends with code 109. User response: Contact DataDirect Technologies technical support.
VAIS013E	DB2ifid xxxx matches a reserved OPRID. Severity: Error Explanation: Matches some predefined Operator Identifiers. System action: DB2 root task not started. User response: Change DB2ifid for this service.
VAIS014I	SMFrecording active, SMFrecdtype(<i>nnn</i>). Severity: Information Explanation: SMFrecording is activated. System action: SMFrecdtype <i>nnn</i> will be written to SMF. User response: None.
VAIS015I	SMFrecording active, <i>tttttttttttttttttttt</i> . Severity: Information Explanation: SMFrecording is not activated. Either you requested <i>tttttttttt==</i> 'No SMFrecdtype specified' or you specified an invalid number, <i>ttttttttt='SMFrecdtype invalid range.'</i> System action: No SMF records will be written. User response: None. To activate SMFrecording, correct the SMFrecdtype. The value must be between 128 and 256.
VAIS016E	Error opening SYSCMDS file. Severity: Error Explanation: An error occurred while opening SYSCMDS file.

System action: The Server continues initialization.

User response: Make sure the Server Userid is authorized to open SYSCMDS file. If problems persist, contact DataDirect Technologies technical support.

VAIS017I Processing commands from SYSCMDS file.

Severity: Information

Explanation: The SYSCMDS file has been opened.

System action: The Server continues initialization.

User response: All commands in SYSCMDS will be processed.

VAIS018I SosLimit above xxxxx K, below yyy K.

Severity: Information

Explanation: The MVSGlobalSosLimit attribute has reserved xxxxx KB of free storage above the 16 MB line. New connections will be refused when free storage drops below this limit.
In addition, yyy KB of free storage has been reserved below the 16 MB line, but this limit is fixed.

System action: None.

User response: None.

VAIS021I Running on _____ - _____.

Severity: Information

Explanation: The Operating System and Release on which the application is running are displayed.

System action: None.

User response: None.

VAIS022I CPUid(____) - CPUSerialNr _____ .

Severity: Information

Explanation: The CPU id and CPU Serial number for all CPUs are displayed.

System action: None.

User response: None.

VAIS023E	GETMAIN for TACB storage failed.
Severity:	Error
Explanation:	Insufficient storage left to allocate a TACB.
System action:	STRTTHRD request fails.
User response:	Increase Region size.
VAIS022I	CPUid(__) - CPUSerialNr _____ .
Severity:	Information
Explanation:	The CPU id and CPU Serial number for all CPUs are displayed.
System action:	None.
User response:	None.
VAIS024I	LX(nnnnnn) reserved.
Severity:	Information
Explanation:	SequeLink reserved the following xxxxxx Linkage Index.
System action:	Not applicable.
User response:	None.
VAIS041I	Control CNTL Q message received.
Severity:	Information
Explanation:	A control queue message was received by VAISMAIN.
System action:	Not applicable.
User response:	None.
VAIS051F	SIL configuration error.
Severity:	Fatal
Explanation:	Internal error.
System action:	The server abends.
User response:	Contact DataDirect Technologies technical support.
VAIS077E	Unrecognized service request.
Severity:	Error

Explanation: Invalid service request from a server subtask.

System action: Server terminates abnormally with an abend code of U143.

User response: Report this error to DataDirect Technologies technical support.

VAIS079E Attach failed at Initialization time.

Severity: Error

Explanation: VAISMAIN was unable to attach one of its subtasks.

System action: Server initialization continues. However, results are unpredictable.

User response: The z/OS server job log should contain a message (with the prefix CSV) indicating the reason for the attach failure. Report this error to DataDirect Technologies technical support.

VAIS084E SERVER.MAIN error returned from @VAIOPR macro. RC = *return code* VC = *verb code*.

Severity: Error

Explanation: Logic error processing @VAIOPR request, resulting in the displayed return code and verb code.

System action: Request is ignored.

User response: Report this error to DataDirect Technologies technical support.

VAIS085I *TASKNAME - TACBADDR - FLAGS - CPU - SERVICE - USERID.*

Severity: Information

Explanation: The server is responding to a STATUS command. This is the header information about the tasks it is controlling. This message is the result of a CNTL STATUS command and is always followed by a VAIS089I message.

System action: Not applicable.

User response: None.

- VAIS086I** Shutdown type(*tttttttt*) initiated.
- Severity: Information
- Explanation: The server acknowledges shutdown where the type is either 'Immediate' or 'Normal'.
- System action: System shutdown is initiated. If the shutdown is 'Normal', no new connections are allowed to start. The server will wait until all existing connections have ended normally before continuing Shutdown.
If the shutdown is 'Immediate', no new connections are allowed to start. Existing connections will be terminated in a consistent manner.
- User response: Once you start a 'Normal' shutdown, you can overwrite it with an 'Immediate' shutdown.
- VAIS087E** Invalid TYPE parameter on CLOSE command.
- Severity: Error
- Explanation: The value of the type parameter in the CNTL CLOSE command is invalid.
- System action: The CNTL CLOSE command is ignored.
- User response: Correct the parameter and issue the command again.
- VAIS088T** Taskname *xxxxxxxxxx* Notified of shutdown.
- Severity: Trace
- Explanation: This is a debugging or trace message.
- System action: Not applicable.
- User response: None.
- VAIS089I** *taskname tacbaddr flags cputime service username*.
- Severity: Information

Explanation: This message results from a CNTL STATUS command and is always preceded by a VAIS085I message. Each line of information includes the fields as titled by the VAIS085I header message. Each column provides information about a server task (server runtime component or application thread) and includes:

taskname - The name of the main line load module (server component task) or the thread ID of a z/OS application/service task.

tacbaddr - The address of the task's TACB. The TACB is the anchoring control block for all server tasks.

flags - A 4-byte set of flags representing the current status of the task. Flags can include:

p1:

D - dispatched

I - initializing

L - has a queue locked

W - wait state

X - exiting dispatcher

S - task is the SCT component

K - aborted by the SCT

p2: - *Not used*

p3:

T - task is an application thread

X - invalidated by the SCT

p4: - *not used*

cputime - CPU time consumed by the SequeLink engine task.

service - Usually, the name of the application (in the SYSINI) for an instance of the application thread. Alternatively, it is set to the literal '**CORE**' for all server component tasks.

username - Usually, the user ID that initiated this instance of the application thread. Alternatively, it is set to the literal '**Not applicable.**' for all server component tasks.

System action: Not applicable.

User response: None.

- VAIS091F** xxxxxx task has ended unexpectedly - Abend server.
- Severity: Fatal
- Explanation: An essential server component subtask has terminated.
- System action: VAISMAIN terminates abnormally with an abend code of U146.
- User response: Report this error to DataDirect Technologies technical support.
- VAIS095E** Alter request is invalid - invalid or missing keyword.
- Severity: Error
- Explanation: This message is in response to a CNTL ALTER command. There are two possible causes:
- a keyword was not supplied.
 - the keyword supplied was incorrect.
- System action: The command is ignored.
- User response: Check the syntax of the CNTL ALTER command. Verify that a correct keyword was included in the command. Refer to the *SequeLink Administrator's Guide* for details on the CNTL ALTER command.
- VAIS100W** CellPool with CellSize(____) could not be expanded for Secondary Pages(____).
- Severity: Warning
- Explanation: CellPool could not be expanded, probably due to a shortage of Virtual storage.
- System action: None.
- User response: Start up the Server with greater RegionSize, or contact DataDirect Technologies technical support.
- VAIS101E** Function(_____) failed Rc x'__' in Thread(tttttttt), abend U079 will result.
- Severity: Error
- Explanation: An internal error occurred due to a failure of the CellPool MemoryMgr function.
- System action: Abend Thread tttttttt with U079.
- User response: Contact DataDirect Technologies technical support.

VAIS103I	<i>Tttttttt</i> - classified to WLMServiceClass(cccccccc)	
	Severity:	Information
	Explanation:	Threadid has been classified to WLMServiceClass(cccccccc).
	System action:	WLM will use workload appropriate to this ServiceClass when scheduling enclaves for this Thread.
	User response:	None.
VAIS110E	<i>Tttttttt</i> - IWMExxxx - WLM Returncode(returncode) Reasoncode (reasoncode)	
	Severity:	Error
	Explanation:	The WLM macro IWMExxxx returned a non-zero returncode or reasoncode, where IWMExxxx can be IWMECREA, IWMELEAV, IWMEJOIN, IWCLSFY, or IWMEDEL.
	System action:	Continue without enclave support for this thread.
	User response:	Check why this macro call failed. Contact DataDirect Technologies technical support.
VAIS111T	<i>Tttttttt</i> - IWMExxxx - WLMEnclaveToken(nnnnnnnn)	
	Severity:	Trace
	Explanation:	Trace WLM macro IWMExxxx calls, show EnclaveToken where IWMExxxx can be IWMECREA, IWMELEAV, IWMEJOIN, IWCLSFY, or IWMEDEL.
	System action:	None.
	User response:	None.
VAIS151F	SIL Start table missing.	
	Severity:	Fatal
	Explanation:	VAISMAIN could not locate the started tasks (STRTTABL).
	System action:	VAISMAIN terminates with a condition code of 4.
	User response:	Report this error to DataDirect Technologies technical support.
VAIS152F	SIL NAME field error.	
	Severity:	Fatal

	Explanation:	VAISMAIN could not locate a required START entry.
	System action:	VAISMAIN terminates with a condition code of 4.
	User response:	Report this error to DataDirect Technologies technical support.
VAIS153F	SIL STKSIZE error.	
	Severity:	Fatal
	Explanation:	The server has found an invalid STKSIZE value in one of the server's internal SIL entries.
	System action:	VAISMAIN terminates with a condition code of 4.
	User response:	Report this error to DataDirect Technologies technical support.
VAIS154F	SIL DSASIZE error.	
	Severity:	Fatal
	Explanation:	Invalid DSASIZE value in one of the server's internal SIL entries.
	System action:	VAISMAIN terminates with a condition code of 4.
	User response:	Report this error to DataDirect Technologies technical support.
VAIS155F	SIL AFLGS error.	
	Severity:	Fatal
	Explanation:	There is an invalid AFLGS value in one of the server's internal SIL entries.
	System action:	VAISMAIN terminates with a condition code of 4.
	User response:	Report this error to DataDirect Technologies technical support.
VAIS156F	SIL DPMOD error.	
	Severity:	Fatal
	Explanation:	There is an invalid DPMOD value in one of the server's internal SIL entries.

	System action:	VAISMAIN terminates with a condition code of 4.
	User response:	Report this error to DataDirect Technologies technical support.
VAIS157F	VAIT build error.	
	Severity:	Fatal
	Explanation:	Logic error while building the server VAIT list.
	System action:	VAISMAIN terminates with a condition code of 4.
	User response:	Report this error to DataDirect Technologies technical support.
VAIS158F	VAIT OPRI error.	
	Severity:	Fatal
	Explanation:	Logic error while processing an OPERID entry in the SIL.
	System action:	VAISMAIN terminates with a condition code of 4.
	User response:	Report this error to DataDirect Technologies technical support.
VAIS159W	VAIBEAT - Error in DataModel, using default value for TimeInterval.	
	Severity:	Warning
	Explanation:	TIMERINTERVAL incorrectly specified in SequeLink configuration file.
	System action:	A default TIMEINTERVAL of 15 seconds is set.
	User response:	Correctly specify TIMERINTERVAL in the SequeLink configuration file.
VAIS160F	No valid Service definitions in DataModel- at least 1 must be found.	
	Severity:	Fatal
	Explanation:	No valid service definition was found in the SequeLink configuration file. The Server requires at least one valid service definition.
	System action:	The server abends with abend U160.
	User response:	Correctly define a service in the SequeLink configuration file; then, call DataDirect Technologies technical support for assistance.

- VAIS161E** Datamodel error for service xxxxxxxx, Service has been ignored.
- Severity: Error
- Explanation: ServiceApplid was incorrectly specified in the SequeLink configuration file for service xxxxxx. The affected service will not be available until the error is corrected and the server is restarted.
- System action: The incorrect service definition is ignored and bypassed.
- User response: Correctly define ServiceApplid for service xxxxxxxx in the SequeLink configuration file.
-
- VAIS162E** DataModel ServiceIdleTime error, Service xxxxxxxx has been ignored.
- Severity: Error
- Explanation: ServiceIdleTime was incorrectly specified in the SequeLink configuration file for service xxxxxx. The affected service will not be available until the error is corrected and the server is restarted.
- System action: The incorrect service definition is ignored and bypassed.
- User response: Correctly define ServiceIdleTime for service xxxxxxxx in the SequeLink configuration file.
-
- VAIS163W** DataModel ServiceIdleAction error, default set to MESSAGE for Service xxxxxxxx.
- Severity: Warning
- Explanation: ServiceIdleAction was incorrectly specified in the SequeLink configuration file for service xxxxxx. Default setting of MESSAGE will be used.
- System action: The default value for the ServiceIdleAction parameter (MESSAGE) will be used.
- User response: Correctly define ServiceIdleAction for service xxxxxxxx in the SequeLink configuration file.
-
- VAIS164E** DataModel ServiceMaxSession error, Service xxxxxxxx has been ignored.
- Severity: Error
- Explanation: ServiceMaxSession was incorrectly specified in the SequeLink configuration file for service xxxxxx. The affected service will not be available until the error is corrected and the server is restarted.

System action: The incorrect service definition is ignored and bypassed.

User response: Correctly define ServiceMaxSession Time for service xxxxxxxx in the SequeLink configuration file.

VAIS165I Service list entry for service name (application name) built successfully - values:

Severity: Information

Explanation: The SequeLink configuration file application service definitions for the named service representing the named application were successfully processed.

System action: The server's service list is updated with the named service (for example, the named application is available for use).

User response: None.

VAIS166E Purged latch(es) for RequestorID(xxxxxxxx) RetCode(yy)

Severity: Error

Explanation: Detach processing of a WorkerThread detected that one or more latches were still held.

System action: VAISMN purged all latches for this RequestorID.

User response: Contact DataDirect Technologies technical support.

VAIS171E LOAD failed for module xxxxxxxx with rc=zz -yyyyyyyyy.

Severity: Error

Explanation: A z/OS LOAD for loadmodule xxxxxxxx specified as ServiceApplid for yyyyyyyy failed with rc=zz. The affected service will not be available until this error is corrected and the Server restarted.

System action: The incorrect service definition is ignored and bypassed.

User response: Check why the loadmodule could not be accessed. Either ServiceApplid is a nonexistent loadmodule or z/OS Contents Supervisor detects errors. If problems persist, contact DataDirect Technologies technical support.

VAIS172E	STRTTHRD request for Service service_id from user_id at terminal_id, was not successful.
Severity:	Error
Explanation:	An attempt to start an application thread failed. The affected application is identified by its name, the user by their user ID, and the terminal by its terminal ID. This message is always preceded by a VAIS174E or a VAIS175E message that details the reason for the failure.
System action:	The application thread is not started.
User response:	Check the preceding VAIS174E or VAIS175E message for the exact reason for failure. Respond accordingly.
VAIS173E	STRTTHRD request for Service service_id from user_id at terminal_id failed - SIL definition error.
Severity:	Error
Explanation:	Internal error.
System action:	The application thread is not started.
User response:	Contact DataDirect Technologies technical support.
VAIS174E	Verification of STRTTHRD request for Service service_id from user_id at terminal_id failed - service definition was not found.
Severity:	Error
Explanation:	Internal error.
System action:	The application thread is not started.
User response:	Contact DataDirect Technologies technical support.
VAIS175E	Verification of STRTTHRD request for Service service_id from user_id at terminal_id failed, xxxxxxxx.
Severity:	Error
Explanation:	An attempt to start an application thread failed. The affected application is identified by its name, the user by their user ID, and the terminal by its terminal ID. The reason for the failure is also given. This message is always followed by a VAIS172E message.
System action:	The application thread is not started.

User response: Respond to the reason given for the failure accordingly:

Not Active - the application service is not active; check for previous VAILOG messages relating to the application service and correct the error that prevented the successful validation and activation of the application service.

Stopped - an II or console operator stopped the application service with a CNTL ALTER command; restart the application service.

AtMaxsess - the maximum number of application threads for this application service was reached; increase this value by using the CNTL ALTER command or by changing the SYSINI *MAXIMUMSESSIONS* value in the application service definition.

Refer to the *SequeLink Administrator's Guide* for details regarding CNTL ALTER. Contact DataDirect Technologies technical support for details of the SIL definitions required for an application service.

VAIS176E SIL section LOADTBL2 omitted.

Severity: Error

Explanation: Internal error.

System action: Server initialization continues.

User response: Contact DataDirect Technologies technical support.

VAIS177E NAME key omitted in LOADTBL2.

Severity: Error

Explanation: Internal error.

System action: Server initialization continues.

User response: Contact DataDirect Technologies technical support.

VAIS178E Syntax error in LOADTBL2/NAME.

Severity: Error

Explanation: Internal error.

System action: Server initialization continues.

User response: Contact DataDirect Technologies technical support.

VAIS179I	xxxxxxx normal end - Thrdid(yyyyyyy).
Severity:	Information
Explanation:	A server task (an application thread or a server component) has ended with the stated condition code. If the task was an application thread, the thread identifier is also given in the message.
System action:	The task is flushed from the system and all storage used by the task is freed.
User response:	None. This message simply notes that a task has ended. This is a normal situation.
VAIS180I	xxxxxxx abnormal end - cc(zzzz)- Thrdid(yyyyyyy).
Severity:	Information
Explanation:	Task ended abnormally. Either the task was deliberately aborted for Timeout or maxCPU reasons or by Operator commands, or otherwise suffered an abend. zzzz = z/OS CompletionCode - Abendcode.
System action:	None.
User response:	None if the task was deliberately aborted. Otherwise, contact DataDirect Technologies technical support.
VAIS181I	Service: service name.
Severity:	Information
Explanation:	This message is output following a CNTL STATUS command. It is always followed by a set of VAIS182I and VAIS183I messages. The service application for which the status was requested is identified by name. (The status is detailed in the subsequent VAIS182I and VAIS183I messages.)
System action:	Not applicable.
User response:	None.

VAIS182I	Application name = application name STATUS = xx DEBUG = flag.
Severity:	Information
Explanation:	This message follows a VAIS181I message. It is output in response to a CNTL STATUS command. It reflects the current status (xx) of the named application service. This message also shows the setting of the DEBUG flag for the application service: this is Y (DEBUG is on) or N (DEBUG is off).
System action:	Not applicable.
User response:	The fields in the message include: xx - is a 1-byte, hexadecimal flag that shows the status for this application at startup time: 01 - service is active and available 02 - abort at time-out 04 - message only at time-out 08 - ignore time-outs 80 - service has been stopped by user
VAIS183I	MAXSESS = number CURRSESS = number TIMEOUT = value.
Severity:	Information
Explanation:	This message follows a VAIS181I message. It is output in response to a CNTL STATUS command. It reflects the current values for the maximum number of sessions, the current number of sessions and the time-out value for the application service.
System action:	Not applicable.
User response:	None.
VAIS184E	** Show keyword is in error.
Severity:	Error
Explanation:	This message is output in response to an incorrect CNTL STATUS command. It indicates that the SHOW= keyword in the command was not valid.
System action:	The command is ignored.

User response: Use any of the following:

- SHOW=ALL
- SHOW=SERVICES

to control what data is displayed as a result of the CNTL STATUS command. Reenter the command with one of these keywords. Refer to the *SequeLink Administrator's Guide* for additional information regarding the CNTL STATUS command.

VAIS185E ** Error -- thread was not found.

Severity: Error

Explanation: This message is output in response to an incorrect CNTL ABORT command. It indicates that the thread ID (THRDID=) specified in the command named an unknown thread.

System action: The command is ignored.

User response: Application service threads are tagged with a unique thread ID with the form: T#nnnnnn where nnnnnn is a decimal number.

Use the CNTL STATUS command to display the active application threads and reenter the command specifying a valid thread ID. Refer to the *SequeLink Administrator's Guide* for additional information regarding the CNTL STATUS and CNTL ABORT commands.

VAIS186E ** Error -- *USERID* or *THRDID* must be specified.

Severity: Error

Explanation: This message is output in response to an incorrect CNTL ABORT command. The *USERID=* or *THRDID=* parameter was missing from the command string. At least one of these parameters is required in this command.

System action: The command is ignored.

User response: Correct the command and reenter it. Refer to the *SequeLink Administrator's Guide* for additional information regarding the CNTL ABORT command.

VAIS187E	** Error -- thread has already been aborted.
Severity:	Error
Explanation:	This message is output in response to an incorrect CNTL ABORT command. It indicates that the operator is attempting to terminate abnormally an application service thread that has already been terminated abnormally.
System action:	The command is ignored.
User response:	Under certain circumstances, an ABORT of an application service thread instance can take about 3-10 seconds. Wait until this time has elapsed before attempting the command again.
VAIS188I	Thrdid(<i>tttttttt</i>) for User(<i>uuuuuuuu</i>) has been aborted.
Severity:	Information
Explanation:	This message is output in response to a successful CNTL ABORT command. It indicates that the application service thread (identified by its thread ID) started by the stated user has been terminated abnormally.
System action:	The affected thread is removed from the system and the associated application logic is terminated.
User response:	None.
VAIS189T	<i>sssssss</i> Service for User(<i>uuuuuuuu</i>) with Thrdid(<i>tttttttt</i>) exceeds Timeout value (<i>xxxx/yyyy</i>).
Severity:	Trace
Explanation:	An application service thread (identified by its thread ID) started by the stated user has exceeded the timeout value that was coded for the stated application in the SYSINI. The timeout value from the SYSINI is given together with the number of timer intervals that the thread has currently been inactive.
System action:	Not applicable.
User response:	None.

- VAIS190W** WARNING Server thread for User(*uuuuuuuu*) with Thridid(*tttttttt*) at terminal (*termid*) exceeded Timeout value.
- Severity: Warning
- Explanation: An application service thread (identified by its thread ID) started by the stated user from the stated terminal has exceeded the timeout value that was coded for the application service being used. The value of the IDLEACTION (idle action) parameter in the SYSINI was set to MESSAGE, which causes an alert message to be displayed.
- System action: Each time that the timeout value set for the application service elapses while the application service thread has been inactive (that is, no messages have been passed to the attached workstation), the server will produce an alert message.
- User response: Investigate the cause of the application's inactivity. If desired, the thread might be terminated using the CNTL ABORT command.
- VAIS191E** application name THREAD for USER user ID at THRDID (T#xxxxxx) at terminal ID aborted due to timeout.
- Severity: Error
- Explanation: An application service thread (identified by its thread ID) started by the stated user from the stated terminal has exceeded the value that was coded for the application service being used by this thread. The value of the IDLEACTION (idle action) parameter in the SYSINI was set to ABORT. The server system has therefore abnormally terminated this thread.
- System action: The named thread is terminated abnormally and removed from the server system.
- User response: Investigate the cause of the application's inactivity. If need be, increase the IDLETIME value for the application service using the IDLETIME SYSINI parameter or the CNTL ALTER command. Contact DataDirect Technologies technical support for additional information regarding the CNTL ALTER command and the IDLETIME SYSINI parameter.

VAIS192E	application name THREAD for USER user ID at terminal ID -- not able to timeout abort.
Severity:	Error
Explanation:	An application service thread (identified by its thread ID) started by the stated user from the stated terminal has exceeded the value that was coded for the application service being used by this thread. The value of the IDLEACTION (idle action) parameter in the SIL was set to ABORT, but the server was not able to abnormally terminate the thread.
System action:	The thread cannot be terminated abnormally because of one of the following reasons: <ul style="list-style-type: none"> ■ It is currently being terminated abnormally by an II or console operator command. ■ It was never successfully started (generally an application link edit error). ■ It has already ended.
User response:	Use the CNTL STATUS command to check the current state of the thread. Verify that the application was built and linked correctly. Check the VAILOG for previous error messages relating to this thread (identified by its thread ID). If necessary, contact DataDirect Technologies technical support.
VAIS193E	Error with ALTER command - service application was not found.
Severity:	Error
Explanation:	The operator (at a z/OS operator's console or at an II terminal) entered a CNTL ALTER command with an unknown service name.
System action:	The command is ignored.
User response:	Reenter the command (CNTL ALTER SERVICE=) and specify a valid service name. The CNTL STATUS SHOW=SERVICE command might be used to check the name of the target service.

VAIS194I Alter services request was successful.

Severity: Information

Explanation: The operator (at a z/OS operator's console or at an II terminal) entered a CNTL ALTER command to update an existing application service definition. The command was successful.

System action: The application service definition is updated according to the operator's specifications stated in the CNTL ALTER command.

User response: None.

VAIS195I 'Thrd(*threadid*) Stat(*status*) Type(*type*) Tcb(*tcbad*) RPCs(*rpc*) Cpu(*cpu_used*)

Threadid - Logon request from *aaa.aaa.aaa.aaa* for userid *uuuuuuuu* data source *dddddddd*

Severity: Information

Explanation: This message is a result of a logon command where:
threadId: Identifies the thread.
status: One of the following:
 Busy: A thread is servicing an RPC.
 Ready: A thread is waiting for RPCs to service.
 Abort: A thread was forced to stop abnormally.
 Creat: A thread is created.
 Alloc: A thread is allocated.
 Stopg: A thread is stopping.
 Stopd: A thread is stopped.
type: P (permanent) or V (volatile). A *permanent* thread is started when the Server starts and is never stopped (the number of permanent threads equals the ServiceMinThread value.) A *volatile* thread is started when all permanent threads are busy, indicating a high workload (the number of volatile threads can equal the difference between the ServiceMaxThread and ServiceMinThread values). A volatile thread will be stopped after being in the 'Ready' state for more than 1 to 3 minutes.
tcbad: The address of the TCB running the thread.
rpc: The number of RPCs run on this thread.
cpu_used: The amount of CPU consumed on this thread, expressed in seconds.

System action: This message gives detailed information per thread as a result of the CNTL STATUS SHOW=ALL console command.

User response: None.

VAIS196I Service is currently ****Unavailable****

Severity: Information

Explanation: This message follows messages VAIS181I/182I/183I if the status of the service is 'stopped'.

System action: None.

User response: None.

VAIS197E	xxxxxxx Thread for User(uuuuuuuu) with Thrdid(tttttttt) at (termid) purged due to timeout.
	Severity: Error
	Explanation: Thread exceeded Idletime.
	System action: None.
	User response: None.
VAIS200E	Start thread request for service name from user ID at terminal ID rejected.
	Severity: Error
	Explanation: A request to establish a connection to the z/OS server from the stated user at the stated terminal was rejected. This message is always followed by another VAIS20xE message that supplies the reason for the rejection.
	System action: The connection request is rejected.
	User response: Check the subsequent VAIS20xE messages relating to the given user and terminal and respond accordingly.
VAIS201E	** Unknown service name.
	Severity: Error
	Explanation: A request to establish a connection to the server from a specific user at a specific terminal was rejected because the service that was specified in the connection request was not known to the z/OS server. This message is always preceded by a VAIS200E message which denotes the user and terminal who made the request.
	System action: The connection request is rejected.
	User response: Check the connection string that is being used at the specified terminal. Correct it and retry your connection request. Refer to <i>SequeLink Administrator's Guide</i> for details about the link parameters required when connecting to a z/OS server using each of the different network protocols supported.
VAIS202E	** Security Enabled in STRTTHRD, no longer supported.
	Severity: Error
	Explanation: Internal error.

System action: The connection is rejected.

User response: Contact DataDirect Technologies technical support.

VAIS206S ** @VAIGM failure (insufficient storage).

Severity: Severe

Explanation: A request to establish a connection to the server from a specific user at a specific terminal was not satisfied due to an internal error in the server's start thread process.

System action: The connection request is rejected.

User response: Contact DataDirect Technologies technical support. Have a listing of the current server SIL ready to review. This error could be caused by an incorrect update to a DSASIZE parameter.

VAIS207T ESTAEX recovery for *nnnnnnnn* setup

Severity: Trace

Explanation: ESTAEX recovery is activated on Workerthread *nnnnnnnn*.

System action: None.

User response: None.

VAIS208E *Tttttttt* - Maxcpu has been exceeded for this connection, CPU usage *ssss* secs.

Severity: Error

Explanation: When DataSourceMaxCpuTime has been exceeded, this message shows the offending ThreadId and the number of CPU seconds consumed until now.

System action: If DataSourceMaxCpuAction is set to ABORT, the connection will be abended also.

User response: Determine why this connection consumed so much CPU usage.

- VAIS209T** Start Thread for Service(sssssss) at terminal(termid) for user(uuuuuuuu) queued.
- Severity: Trace
- Explanation: A request to establish a connection to the server from the stated user at the stated terminal was successfully validated by the server's start thread process. The service request (identified by its service name) has been queued to the server's SCT for further validation.
- System action: The connection request is queued to the SCT.
- User response: None.
- User response: Check why thread exceeds limit specified.
- VAIS215E** Task tttttttt has unexpectedly terminated: (CC=xxxxyy) - attempting restart/reload.
- Severity: Error
- Explanation: The parameter defined for DB2INTERFACE in the SYSINI file does not match the value set in the SequeLink startup JCL file, RUNSRVR, or, the DD statement with the value for DB2INTERFACE is missing from the RUNSRVR file.
- System action: Task is terminated.
- User response: Change the DB2INTERFACE parameter value in the SequeLink startup JCL file, RUNSRVR, to the value set in the SYSINI file. For example, if the SYSINI file sets DB2INTERFACE=DB2A, the RUNSRVR JCL file should have a DD statement similar to the following:
- ```
// DB2A DD DSN=DSN410.SDSNEXIT,DISP=SHR
// DD DSN=DSN410.SDSNLOAD,DISP=SHR
```
- VAIS216F** Task xxxxxxxx has unexpectedly terminated (CC=cc) restart/reload count Exhausted.
- Severity: Fatal
- Explanation: A critical task abended with CompletionCode cc and its restart Count, if any, is exhausted.
- System action: The server abends with abend U146.
- User response: Contact DataDirect Technologies technical support.

|                 |                                            |                                                                                                                                                            |
|-----------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>VAIS219E</b> | EOT routine for Service service failed.    |                                                                                                                                                            |
|                 | Severity:                                  | Error                                                                                                                                                      |
|                 | Explanation:                               | The ServiceEotExit that was called during end of task, failed.                                                                                             |
|                 | System action:                             | None.                                                                                                                                                      |
| <b>VAIS220I</b> | User response:                             | Check why this routine failed, and contact DataDirect Technologies technical support.                                                                      |
|                 | Application(nnnnnnnn) Status(xx) Debug(y). |                                                                                                                                                            |
|                 | Severity:                                  | Information                                                                                                                                                |
|                 | Explanation:                               | This message is output following a CNTL STATUS SHOW= servicename command. The message shows the loadmodule nnnnnnnn information for the specified service. |
| <b>VAIS229E</b> | System action:                             | None.                                                                                                                                                      |
|                 | User response:                             | None.                                                                                                                                                      |
|                 | CNTL REFRESH command obsolete.             |                                                                                                                                                            |
|                 | Severity:                                  | Error                                                                                                                                                      |
| <b>VAIS230T</b> | Explanation:                               | CNTL REFRESH command no longer supported.                                                                                                                  |
|                 | System action:                             | Command is ignored.                                                                                                                                        |
|                 | User response:                             | None.                                                                                                                                                      |
|                 | Free storage below _____ K, above ____ K.  |                                                                                                                                                            |
| <b>VAIS230T</b> | Severity:                                  | Trace                                                                                                                                                      |
|                 | Explanation:                               | Display free storage available above and below 16 MB.                                                                                                      |
|                 | System action:                             | None.                                                                                                                                                      |
|                 | User response:                             | None. New connections will be refused if free storage drops below SosLimit values. See message VAIS018I.                                                   |
| <b>VAIS233I</b> | CNTL LIST command obsolete.                |                                                                                                                                                            |
|                 | Severity:                                  | Information                                                                                                                                                |
|                 | Explanation:                               | CNTL LIST command no longer supported.                                                                                                                     |



|                 |                                                          |                                                                                                                                                            |
|-----------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | System action:                                           | Command is ignored.                                                                                                                                        |
|                 | User response:                                           | None.                                                                                                                                                      |
| <b>VAIS235I</b> | Free storage below _____ K, above ____ K.                |                                                                                                                                                            |
|                 | Severity:                                                | Information                                                                                                                                                |
|                 | Explanation:                                             | Display free storage available above and below 16 MB. This message results from command CNTL LIST TYPE= FREE.                                              |
|                 | System action:                                           | None.                                                                                                                                                      |
|                 | User response:                                           | None. New connections will be refused if free storage drops below SosLimit values. See message VAIS018I.                                                   |
| <b>VAIS246I</b> | Time altered from 24.00.00 to xx.xx.xx date julian.date. |                                                                                                                                                            |
|                 | Severity:                                                | Information                                                                                                                                                |
|                 | Explanation:                                             | Message to indicate the start of a new day.                                                                                                                |
|                 | System action:                                           | None.                                                                                                                                                      |
|                 | User response:                                           | None.                                                                                                                                                      |
| <b>VAIS300I</b> | Mgr SQLNK.DataDirect.xxxx registered.                    |                                                                                                                                                            |
|                 | Severity:                                                | Information                                                                                                                                                |
|                 | Explanation:                                             | SequeLink server is registered to RRS as a ResourceMgr with the name SQLNK.DataDirect.xxxx where xxxx is the GlobalSubSystemId the server is started with. |
|                 | System action:                                           | Registering to RRS during initialization.                                                                                                                  |
|                 | User response:                                           | None.                                                                                                                                                      |
| <b>VAIS301I</b> | Mgr SQLNK.DataDirect.xxxx unregistered.                  |                                                                                                                                                            |
|                 | Severity:                                                | Information                                                                                                                                                |
|                 | Explanation:                                             | SequeLink server unregistered from RRS.                                                                                                                    |
|                 | System action:                                           | Unregisters from RRS during shutdown.                                                                                                                      |
|                 | User response:                                           | None.                                                                                                                                                      |
| <b>VAIS302I</b> | Begin restart Mgr SQLNK.DataDirect.xxxx.                 |                                                                                                                                                            |
|                 | Severity:                                                | Information                                                                                                                                                |

Explanation: SequeLink server is restarting as a ResourceMgr to RRS.

System action: Restarting as ResourceMgr during initialization.

User response: None.

**VAIS303I** Incomplete Interest for URid(urid) Urstate(In-Urstate) Role(xxxx).

Severity: Information

Explanation: During a restart as a ResourceMgr, Incomplete Interest(s), which were unresolved when SequeLink was last unregistered, can be retrieved from RRS.

System action: Remember Urstate for this urid.

User response: None.

**VAIS304I** Mgr has *nnn* Incomplete Interest(s) outstanding.

Severity: Information

Explanation: During a restart, *nnn* Incomplete Interest(s) were retrieved.

System action: None.

User response: None.

**VAIS305I** Mgr SQLNK.DataDirect.xxxx restarted.

Severity: Information

Explanation: SequeLink Server is restarted successfully as ResourceMgr to RRS.

System action: None.

User response: None.

**VAIS306E** Unable to construct a valid Mgr\_name, Subsystemid is missing.

Severity: Error

Explanation: SequeLink Server must construct a unique ResourceMgr name to register to RRS. The GlobalSubSysId is required to qualify the string 'SQLNK.DataDirect'.

System action: The server abends with U130.

User response: Supply a unique GlobalSubSysId or use CAF DB2 attachment.

- VAIS307E** Mgr SQLNK.DataDirect.xxx registration failed, reason(yyyy).  
Severity: Error  
Explanation: SequeLink registration to RSS failed, see reasoncode yyyy.  
System action: The server abends with U130.  
User response: Contact DataDirect Technologies technical support.
- VAIS308E** Define Exit\_routines to Context\_mgr failed, reason(yyyy).  
Severity: Error  
Explanation: SequeLink registration to Context Mgr failed, reasoncode yyyy during RSS registration.  
System action: The server abends with U130.  
User response: Contact DataDirect Technologies technical support.
- VAIS309E** Define Exit\_routines to RRS\_mgr failed, reason(yyyy).  
Severity: Error  
Explanation: SequeLink registration to RRS\_services failed, reasoncode yyyy during RRS registration.  
System action: The server abends with U130.  
User response: Contact DataDirect Technologies technical support.
- VAIS310E** Begin Restart Mgr failed, reason (yyyy).  
Severity: Error  
Explanation: SequeLink Begin Restart Mgr failed, reasoncode yyyy during RRS registration.  
System action: The server abends with U130.  
User response: Contact DataDirect Technologies technical support.
- VAIS311E** Retrieve Incomplete Interest failed, reason (yyyy).  
Severity: Error  
Explanation: SequeLink Retrieve Incomplete Interest failed reasoncode yyyy, during RRS registration.  
System action: The server abends with U130.  
User response: Contact DataDirect Technologies technical support.

|                 |                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------|
| <b>VAIS312E</b> | End Restart Mgr failed, reason (xxxx).                                                                               |
|                 | Severity: Error                                                                                                      |
|                 | Explanation: SequeLink End Restart Mgr failed, reasoncode xxxx during RRS registration.                              |
|                 | System action: The server abends with U130.                                                                          |
|                 | User response: Contact DataDirect Technologies technical support.                                                    |
| <b>VAIS313E</b> | Respond to Retrieved Interest failed, reason (xxxx) URid(urid).                                                      |
|                 | Severity: Error                                                                                                      |
|                 | Explanation: SequeLink Respond to Retrieved Interest failed, reasoncode xxxx during RRS registration.                |
|                 | System action: The server abends with U130.                                                                          |
|                 | User response: Contact DataDirect Technologies technical support.                                                    |
| <b>VAIS314E</b> | Mgr is already registered by another server, use a different SubSystemID.                                            |
|                 | Severity: Error                                                                                                      |
|                 | Explanation: The ResourceMgrName SQLNK.DataDirect.xxxx is already in use. Change the GlobalSubSysId for this server. |
|                 | System action: The server abends with U130.                                                                          |
|                 | User response: Contact DataDirect Technologies technical support.                                                    |
| <b>VAIS315E</b> | Unregistration for SQLNK.DataDirect.xxxx failed, reason (yyyy).                                                      |
|                 | Severity: Error                                                                                                      |
|                 | Explanation: The ResourceMgrName SQLNK.DataDirect.xxxx failed to unregister.                                         |
|                 | System action: Server continues shutdown.                                                                            |
|                 | User response: Contact DataDirect Technologies technical support.                                                    |
| <b>VAIS330I</b> | Notification Exit - xxxxxxxxxxxxxxxx.                                                                                |
|                 | Severity: Information                                                                                                |
|                 | Explanation: Notification Exit called, xxxxxxxxxxxxxxxx explains why.                                                |
|                 | System action: None.                                                                                                 |
|                 | User response: None.                                                                                                 |

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| <b>VAIS331E</b> | Notification Exit - No Global data.                                       |
| Severity:       | Error                                                                     |
| Explanation:    | Internal error.                                                           |
| System action:  | None.                                                                     |
| User response:  | Contact DataDirect Technologies technical support.                        |
| <b>VAIS332E</b> | Notification Exit - could not locate RRSN.                                |
| Severity:       | Error                                                                     |
| Explanation:    | Internal error.                                                           |
| System action:  | None.                                                                     |
| User response:  | Contact DataDirect Technologies technical support.                        |
| <b>VAIS333E</b> | Notification Exit - TACB not found.                                       |
| Severity:       | Error                                                                     |
| Explanation:    | Internal error.                                                           |
| System action:  | None.                                                                     |
| User response:  | Contact DataDirect Technologies technical support.                        |
| <b>VAIS348I</b> | WLM in Goal mode - Policy(xxxxxxxx) ServiceDefinition(yyyyyyyy)           |
| Severity:       | Information                                                               |
| Explanation:    | Shows the active Policy and ServiceDefinition when WLM is in Goal mode.   |
| System action:  | Registers as a WorkManager to WLM when MVSGlobalWLMEnclaves is specified. |
| User response:  | User response: None                                                       |
| <b>VAIS349I</b> | WLM in Compatibility mode - IPS(xxxxxxxx) ICS(yyyyyyyy)                   |
| Severity:       | Information                                                               |
| Explanation:    | Shows the active IPS and ICS member when WLM is in compatibility mode.    |
| System action:  | Registers as a WorkManager to WLM when MVSGlobalWLMEnclaves is specified. |
| User response:  | None.                                                                     |

|                 |                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>VAIS350I</b> | WLM Enclave support enabled - Type(VAI ) Name(yyyy)                                                                                                                    |
| Severity:       | Information                                                                                                                                                            |
| Explanation:    | When MVSGlobalWLMEnclaves is specified, this message means that SequeLink successfully registered as a workmanager to WLM with Type(VAI) and Name = MVSGlobalSubSysId. |
| System action:  | SequeLink Server is enabled to use WLM enclaves.                                                                                                                       |
| User response:  | None.                                                                                                                                                                  |
| <b>VAIS351E</b> | Error connecting to WLM - IWMCONN reasoncode(xxxxx)                                                                                                                    |
| Severity:       | Error                                                                                                                                                                  |
| Explanation:    | MVSGlobalWLMEnclaves is specified, but SequeLink failed to register as a workmanager to WLM. The reasoncode for the IWMCONN macro is displayed.                        |
| System action:  | SequeLink Server is not enabled to use WLM enclaves.                                                                                                                   |
| User response:  | Check the reasoncode for IWMCONN. If necessary, contact DataDirect Technologies technical support.                                                                     |
| <b>VAIS355I</b> | Disconnected from WLM as WorkManager.                                                                                                                                  |
| Severity:       | Information                                                                                                                                                            |
| Explanation:    | During shutdown of SequeLink Server, SequeLink deregistered from WLM as a workmanager.                                                                                 |
| System action:  | None.                                                                                                                                                                  |
| User response:  | None.                                                                                                                                                                  |
| <b>VAIS356E</b> | Error disconnecting from WLM - IWMDISC reasoncode(xxxxx)                                                                                                               |
| Severity:       | Error                                                                                                                                                                  |
| Explanation:    | SequeLink failed to disconnect from WLM as workmanager. The reasoncode for the IWMDISC macro is displayed.                                                             |
| System action:  | SequeLink Server continues with shutdown.                                                                                                                              |
| User response:  | Check the reasoncode for IWMDISC macro. If necessary, contact DataDirect Technologies technical support.                                                               |

|                 |                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>VAIS357E</b> | No ConnectionToken found - unable to disconnect from WLM                                                                                                        |
| Severity:       | Error                                                                                                                                                           |
| Explanation:    | WLM ConnectionToken is invalid or not found.                                                                                                                    |
| System action:  | SequeLink Server could not disconnect from WLM.                                                                                                                 |
| User response:  | Internal SequeLink error. If necessary, contact DataDirect Technologies technical support.                                                                      |
| <b>VAIS360I</b> | Server registered in Sysplex - ClusterName(cccccccccccccccc)                                                                                                    |
| Severity:       | Information                                                                                                                                                     |
| Explanation:    | If MVSGlobalClusterName is specified, this message is displayed when SequeLink Server successfully registers into the Sysplex with ClusterName ccccccccccccccc. |
| System action:  | None.                                                                                                                                                           |
| User response:  | None.                                                                                                                                                           |
| <b>VAIS361E</b> | Register Server in Sysplex - IWMSRSRG failed reasoncode(xxxx)                                                                                                   |
| Severity:       | Error                                                                                                                                                           |
| Explanation:    | SequeLink failed to register into the Sysplex. The reasoncode for the IWMSRSRG macro is displayed.                                                              |
| System action:  | SequeLink Server continues initialization, without registration into Sysplex.                                                                                   |
| User response:  | Check reasoncode for IWMSRSRG. If necessary, contact DataDirect Technologies technical support.                                                                 |
| <b>VAIS362E</b> | Deregister Server from Sysplex - IWMSRDRS failed reasoncode(xxxx)                                                                                               |
| Severity:       | Error                                                                                                                                                           |
| Explanation:    | SequeLink failed to deregister from the Sysplex. The reasoncode for the IWMSRDRS macro is displayed.                                                            |
| System action:  | SequeLink Server continues shutdown.                                                                                                                            |
| User response:  | Check the reasoncode for IWMSRDRS. If necessary, contact DataDirect Technologies technical support.                                                             |
| <b>VAIS363E</b> | Server deregistered from Sysplex - ClusterName(cccccccccccccccc)                                                                                                |
| Severity:       | Information                                                                                                                                                     |

|                |                                                                                                                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Explanation:   | If MVSGlobalClusterName is specified, SequeLink Server succesfully deregistered from the Sysplex with ClusterName cccccccccccccccc. |
| System action: | None.                                                                                                                               |
| User response: | None.                                                                                                                               |

---

# Resource Manager Messages

This section contains z/OS log messages generated by the operator interface resource manager facility (VAICOPRM), which allows any SequeLink for z/OS task to initialize a resource manager routine to provide independent task cleanup and to supplement end-of-task routines provided by SequeLink for z/OS.

**VAIC125E** RESMGR failed w/RC=rc. SSI (ssid) withdrawn.

|                |                                                                                                                                                                                                                                                                     |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Severity:      | Error                                                                                                                                                                                                                                                               |
| Explanation:   | VACOPRI was unable to initialize its resource manager (VAICOPRM). The initialization request failed with the return code rc. The SSI for ssid is not enabled, meaning that command character prefixes cannot be used to enter SequeLink for z/OS operator commands. |
| System action: | The operator interface proceeds without the SSI.                                                                                                                                                                                                                    |
| User response: | This is an internal error. Contact DataDirect Technologies technical support.                                                                                                                                                                                       |



The following messages are not written in the SequeLink Server for z/OS log, because they are issued by VAICOPRM when SequeLink Server for z/OS is shutting down and message logging may be disabled. These messages are generated using standard WTO macros.

- VAIX010E** Invalid SSCT passed.
- Severity: Error
- Explanation: The VAICOPRM caller (VAICOPRI) passed an invalid SSCT. VAICOPRM ends normally, but the SSCT reset was not performed.
- System action: None.
- User response: This is an internal error. Contact DataDirect Technologies technical support.
- VAIX011E** Invalid PARM passed.
- Severity: Error
- Explanation: The R1 value that was passed was 0 or the address that R1 pointed to was 0.
- System action: None.
- User response: This is an internal error. Contact DataDirect Technologies technical support.
- VAIX012I** SSI has been deactivated.
- Severity: Information
- Explanation: The resource manager had to reset the SSI.
- System action: None.
- User response: Contact DataDirect Technologies technical support.
- VAIX013I** Entering resource manager VAICOPRM ....
- Severity: Information
- Explanation: The resource manager is being entered.
- System action: Not applicable.
- User response: None.

---

# ThreadPool Task Messages

This section contains messages generated by VAISTHRD. This task is responsible for the Threadpool interface logic.

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>VAIT010I</b> | <i>SessionId ClientAddress A Userid CorrelationId</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Severity:       | Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Explanation:    | This is a Header message resulting from 'THPL LIST' operator command.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| System action:  | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| User response:  | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>VAIT011I</b> | <i>SessionId ClientAddress A Userid CorrelationId</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Severity:       | Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Explanation:    | <p>This is the detail message resulting from the 'THPL LIST' operator command where:</p> <p><i>SessionID</i> is the sessionid of the connection.</p> <p><i>ClientAddress</i> is the IP address of the connected client.</p> <p><i>A</i> is the Activity indicator. The value is '*' when the connection is executing an RPC; otherwise, this value is left blank.</p> <p><i>Userid</i> is the PrimaryAuthid used for DB2 connection or the Userid for an Administrator connection.</p> <p><i>CorrelationId</i> is the Correlationid within the DB2 subsystem; otherwise, this value is set to the string "Adminstrator".</p> |
| System action:  | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| User response:  | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>VAIT012I</b> | Kill request for SessionId(ssss) scheduled.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Severity:       | Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Explanation:    | This is a response from the 'THPL KILL' operator command.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

System action: The Server will try to kill the session.

User response: None.

**VAIT014E** Operator command (cccccccc) unknown.

Severity: Error

Explanation: The THPL command was not recognized.

System action: The command was ignored.

User response: Enter a valid THPL command.

**VAIT015E** No connection found for SessionId(ssss).

Severity: Error

Explanation: The Session with SessionId 'ssss' was not found.

System action: The command was ignored.

User response: Provide a correct SessionId as the argument of THPL LIST command.

**VAIT016E** Invalid SessionId format, should be numeric.

Severity: Error

Explanation: The Sessionid argument of the THPL KILL command must be numeric.

System action: The command was ignored.

User response: None.

**VAIT017T** ThreadPool is waiting for an available WorkerThread.

Severity: Trace

Explanation: All worker threads are currently in use.

System action: An RPC for this connection cannot be scheduled yet.

User response: None.

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>VAIT018I</b> | ThreadPool has waited ssss secs for an available WorkerThread.                                                                                                                                                                                                                                                                                                                                                                            |
| Severity:       | Information                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Explanation:    | The threadpool waited longer then 0.5 seconds for an available WorkerThread.                                                                                                                                                                                                                                                                                                                                                              |
| System action:  | Processing continues normally.                                                                                                                                                                                                                                                                                                                                                                                                            |
| User response:  | If this message occurs too frequently, change one or more of the following configuration parameters: <ul style="list-style-type: none"><li>■ Increase the value ServiceMaxThread.</li><li>■ Lower the value of DataSourceThreadMaxRpc and/or DataSourceThreadRpcTimeOut.</li></ul>                                                                                                                                                        |
| <b>VAIT019I</b> | DataSrc dddddddd Timeout(nnnnn) MaxRPC(nnnn)                                                                                                                                                                                                                                                                                                                                                                                              |
| Severity:       | Information                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Explanation:    | The message provides the values related to the DataSourceThreadRpcTimeOut and DataSourceThreadMaxRpc service attributes, where:<br><i>ddddddd</i> is the name of the data source.<br><i>nnnnn</i> is the number of seconds defined for the timeout in DataSourceThreadRpcTimeOut.<br><i>nnnn</i> is the number of connection requests that will be accepted before the thread allocated to the connection is released to the thread pool. |
| System action:  | None.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| User response:  | None.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>VAIT020I</b> | MinThrd(nnn) MaxThrd(nnn) ThresHold(nn) DB2MinThrd(nnnn) DB2MaxThrd(nnnn)                                                                                                                                                                                                                                                                                                                                                                 |
| Severity:       | Information                                                                                                                                                                                                                                                                                                                                                                                                                               |

Explanation: The message provides the attribute values related to the Service Threadpool service attributes where:  
 MinThrd(*nnn*) returns the value of ServiceMinThreads.  
 MaxThrd(*nnn*) returns the value of ServiceMaxThreads.  
 ThresHold(*nn*) returns the value of ServiceThreadLockThreshold.  
 DB2MinThrd(*nnnn*) returns the value of ServiceDB2MinThreads.  
 DB2MaxThrd(*nnnn*) returns the value of ServiceDB2MaxThreads.

System action: None.

User response: None.

**VAIT021I** Thrd(*ttt*) - Rpc(*nnnn*). %Rpc(*nn.nn*) - CpuSec(*nn.nn*) %CPU(*nn.nn*)

Severity: Information

Explanation: The message list provides current statistical information on the use of the SequeLink Threadpool engine where:  
*ttt* is the number of the current thread listed; the value can be from 1 to ServiceMaxThreads.  
 Rpc(*nnnn*) returns the number of Rpc that ran on this thread.  
 %Rpc(*nn.nn*) returns the number of Rpc, expressed in percent.  
 CpuSec(*nn.nn*) returns the number of CPU seconds consumed on this thread.  
 %CPU(*nn.nn*) returns the number of CPU seconds consumed, expressed in percent.

System action: Processing continues normally.

User response: None.

**VAIT022I** *nnn* Threads without any activity. CpuSec(*nn.nn*) %CPU(*nn.nn*)

Severity: Information

|                |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Explanation:   | <p>The message list provides current statistical information on the use of the SequeLink Threadpool engine where:</p> <ul style="list-style-type: none"><li>■ Number of threads on which there was no activity.</li><li>■ CpuSec(nn.nn): Number of CPU seconds consumed on this thread</li><li>■ %CPU(nn.nn): Number of CPU seconds consumed, expressed in percent.</li></ul> |
| System action: | Processing continues normally.                                                                                                                                                                                                                                                                                                                                                |
| User response: | None.                                                                                                                                                                                                                                                                                                                                                                         |

## 8 SAS/C Runtime Library Messages

The SequeLink Server and SequeLink Manager on z/OS use the SAS/C® run-time library. The SAS/C® run-time library generates messages for unusual conditions detected during program execution. These messages are written to the SYSTERM output of the SequeLink Server Job.

With SequeLink Manager, these messages are normally written to the terminal.

SAS/C run-time library diagnostic messages have the form

```
LSCX[num] **** [severity] **** ERRNO = [errno value]
 Generated in [function] called from line [num] of
 [function], offset [hex]
 [C++/Extended] name: [fullname]
 [message text]
 Interrupted while: [context]
```

where *severity* is one of the following:

*NOTE* describes a condition that permits program execution to continue, but which is not communicated to the caller of the routine; ERRNO is usually not set.

*WARNING* describes a condition that permits program execution to continue; however, the routine that detected the condition returns an error indication to its caller. When a library WARNING is issued, the ERRNO variable is set. Usually an error code is returned from the function that detected the condition. Most library messages are WARNINGS.

*ERROR* describes a condition that forces program termination, usually with an ABEND.

For an explanation of LSCX messages, refer to your SAS/C documentation, available at [http://www.sas.com/service/library/onlinedoc/sasc/doc/diag/sascd\\_mv1.htm](http://www.sas.com/service/library/onlinedoc/sasc/doc/diag/sascd_mv1.htm).



# Index

## Symbols

.NET Client  
 database errors 99  
 SequeLink client errors 98  
 server errors 98  
 tracing method calls 39

## A

ADO Client  
 data provider errors 94  
 database errors 96  
 SequeLink Server errors 95  
 using Rowset Viewer 23

## C

changing the service connection model 59  
 checking the third-party JDBC driver 78  
 client errors, SequeLink (.NET) 98  
 command line tool, changing the debug log level 58  
 configuring  
   DataDirect Test 25  
   logging using the command-line tool 52  
   logging using the SequeLink Manager Snap-in 51  
 connecting  
   DataDirect Test 26  
   tracking performance 41

connection pool  
   example of DataDirect Connection Pool Manager trace file 32  
   tracking performance 41  
 contacting Technical Support 14  
 conventions, typographical 12  
 counters, PerfMon 41

## D

database errors  
   .NET Client 99  
   ADO client 96  
   JDBC Client 97  
   ODBC Client 93  
 DataDirect Connection Pool Manager  
   trace file 32  
     example 32  
     generating 31  
   tracing, enabling 31  
 DataDirect Spy 30  
 DataDirect Test  
   configuring 25  
   connecting with 26  
   making a DataDirect Test connection 26  
   overview 24  
   starting 26  
 DataSourceSOCIJDBCConnectionURL 74  
 DB2 application support package  
   messages 256  
 DB2 threads 80  
 debug log file 46  
 debug log level, changing for an active service  
   using the command-line tool 56  
   using the SequeLink Manager Snap-in 55

- debug log level, changing for an active session
  - using the command-line tool 58
  - using the SequeLink Manager Snap-In 57
- debugging
  - log file 80
  - using PerfMon 41
  - using the Trace object to maintain security 39
- diagnostic support
  - ODBC tracing 20
  - PerfMon counters 41

## E

- enabling tracing
  - .NET data provider 39
  - ODBC Client 20
  - Pool Manager (JDBC Client) 31
- environment variables, using to enable tracing (.NET Client) 40
- environment-specific information 13
- error messages 101
- example and example64 test applications (ODBC Client) 19
- examples
  - connecting with DataDirect Test 26
  - ivcheckcp utility 22
  - ivcheckjdbcdriver 75, 77
  - trace file, DataDirect Connection Pool Manager 32

## H

- handshaking problems in TCP/IP connections 87

## I

- IANAAppCodePage 22
- ivcheckcp utility 22
- ivcheckjdbcdriver utility 75
- ivtestlib tool 21

## J

- JDBC Client
  - configuring DataDirect Test 25
  - database errors 97
  - driver errors 96
  - making a connection with DataDirect Test 26
  - overview 31
  - server errors 97
  - using DataDirect Spy 30
  - using DataDirect Test 24
- JDBC Socket
  - See SequeLink Server for JDBC Socket

## K

- Kerberos service principal 189

## L

- LDAP error messages 163
- locks, releasing 80
- log messages 82
- logging 49

## M

- messages
  - DB2 application support package 256
  - multiplatform 274
  - operator interface 249
  - resource manager 312
  - server control 277
  - Threadpool task 314
- methods, tracing calls 39
- multiplatform log messages 274

## O

- ODBC Client
  - creating a trace log 20
  - database errors 93
  - driver errors 92
  - example and example64 test
    - applications 19
  - ivcheckcp utility 22
  - ivtestlib tool 21
  - troubleshooting 19
- ODBC Socket
  - See SequeLink Server for ODBC Socket
- ODBC tracing 20
- odbctrac.so shared object 21
- operator interface messages 249
- operator interface resource manager
  - messages 312

## P

- packet log 59
- password, concealed in trace log 39
- PerfMon support 41
- permanent thread 300
- Pool Manager tracing 31

## R

- releasing locks held by disassociated DB2
  - threads 80
- resource manager messages 312
- Rowset Viewer 23

## S

- SAS/C run-time library messages 319
- security, enabling for tracing (.NET) 39
- SequeLink Manager
  - configuring logging
    - command-line tool 52
    - overview 49
  - SequeLink Manager Snap-in 51
- SequeLink Server for JDBC Socket
  - analyzing problems 73
  - checking the third party driver 78
  - checking the third party driver
    - environment 75
  - using 69
- SequeLink Server for ODBC Socket
  - analyzing problems 66
  - identifying the source of the problem 67
  - overview 62
  - testing the ODBC driver 66
  - using a third-party driver 64
  - using with IBM DB2 driver 65
- SequeLinkTrace object 40
- server control messages 277
- server errors
  - .NET Client 98
  - JDBC Client 97
- server ODBC trace 68
- service connection model, changing 59
- service debug log file
  - on Linux and UNIX 48
  - on Windows 47
- ServiceConnectionModel 59
- ServiceDebugLogLevel 58

- session debug log file
  - on Linux, UNIX, and z/OS USS 45
  - on Windows 45
- SQLParamOptions 65
- SSL errors 211
- starting DataDirect Test 26
- static methods, enabling tracing with 40
- SupportLink 14

## T

- TCP/IP connection
  - establishing 85
  - handshaking problems 87
- Technical Support, contacting 14
- third-party JDBC driver, checking 78
- Threadpool task messages 314
- tools
  - .NET Client
    - PerfMon support 41
    - tracing method calls 39
  - ADO Client 23
  - JDBC
    - DataDirect Spy 30
    - DataDirect Test 24
  - ODBC
    - ivcheckcp utility 22
    - ivtestlib 21
- Trace class (.NET Client) 39
- tracing
  - .NET
    - enabling through environment variables 40
    - enabling through static methods 40
  - ODBC Client
    - creating a trace log 20
    - enabling 20
  - overview 39
  - re-creating the trace file 39
  - setting the path to the trace file 39

- tuning and debugging applications with PerfMon 41
- typographical conventions 12

## U

- UNIX and Linux
  - enabling tracing for the ODBC Client 21
  - ivcheckcp utility 22
  - ivtestlib tool 21
- using this book 8

## V

- volatile thread 300

## X

- XA transaction branch 81

## Z

- z/OS messages
  - DB2 application support package messages 256
  - multiplatform log messages 274
  - operator interface messages 249
  - resource manager messages 312
  - SAS/C run-time library 319
  - server control messages 277
  - Threadpool task 314