



# Configuring Java CAPS Environment Components for Database Adapters



Sun Microsystems, Inc.  
4150 Network Circle  
Santa Clara, CA 95054  
U.S.A.

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# Configuring Java CAPS Environment Components for Database Adapters

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The adapter environment configuration properties contain parameters that define how the adapter connects to and interacts with other Java CAPS components within the environment. The environment properties are accessed from the NetBeans IDE Services window. The following sections provide instructions on how to configure Java CAPS component environment properties and lists the environment properties for the various database adapters.

## What You Need to Know

This topic provides information you should know to start configuring the environment properties.

- [“Using the Environment Properties Editor” on page 6](#)

## What You Need to Do

These topics provide configuration information used to set the database adapter environment properties.

- [“Configuring DB2 Connect Adapter Environment Properties” on page 19](#)
- [“Configuring DB2 Adapter Environment Properties” on page 7](#)
- [“Configuring the Informix Adapter Environment Properties” on page 29](#)
- [“Configuring JDBC/ODBC Adapter Environment Properties” on page 53](#)
- [“Configuring Oracle Adapter Environment Properties” on page 35](#)
- [“Configuring SQL Server Adapter Environment Properties” on page 41](#)
- [“Configuring the Sybase Adapter Environment Properties” on page 47](#)
- [“Configuring VSAM Adapter Environment Properties” on page 62](#)

## Using the Environment Properties Editor

The Adapter Environment Configuration properties contain parameters that define how the adapter connects to and interacts with other Java CAPS components within the Environment. The Environment properties are accessed from the NetBeans IDE Services window.

### ▼ To Configure the Environment Properties

- 1 From the NetBeans Services window, expand the CAPS Environment node.
- 2 Expand the Environment created for your project and locate the External System for your specific adapter.
- 3 Right-click the External System and select Properties from the popup menu. The Environment Configuration Properties window appears.

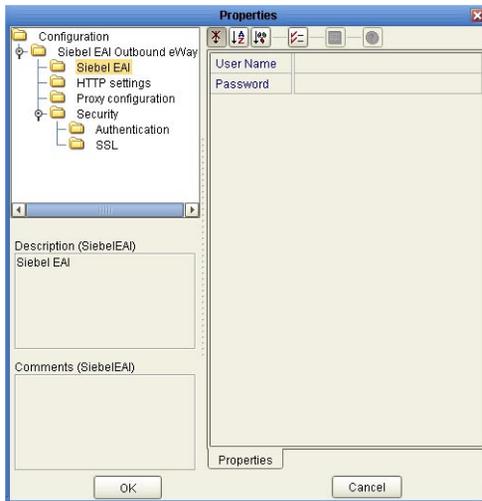


FIGURE 1 Adapter Environment Configuration Properties Editor

- 4 From the Properties Editor, click on any folder to display the default configuration properties for that section.
- 5 Click on any property field to make it editable.
- 6 Once you have finished modifying the properties, click OK to save your changes and close the editor.

# Configuring DB2 Adapter Environment Properties

The DB2 Adapter configuration parameters, accessed from the Environment Explorer tree, are organized into the following sections:

- [“Inbound DB2 Adapter Environment Properties” on page 7](#)
- [“Outbound DB2 Adapter Environment Properties” on page 8](#)
- [“eTL Environment Properties” on page 18](#)

## Inbound DB2 Adapter Environment Properties

The Inbound DB2 Adapter properties, accessed from the Environment Explorer tree, are organized into the following sections:

- [“Inbound Environment Properties for Windows/Unix” on page 7](#)
- [“Inbound Environment Properties for z/OS and AS/400” on page 7](#)

### Inbound Environment Properties for Windows/Unix

The **Parameter Settings** section of the Inbound Windows/Unix Environment contains the top-level parameters displayed in the following table.

TABLE 1 Parameter Settings for the Inbound Environment Explorer

Name	Description	
Description	Enter a description for the database.	A valid string. The d
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number
DatabaseName	Specifies the name of the database instance used on the Server.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.

### Inbound Environment Properties for z/OS and AS/400

The **Parameter Settings** section of the Inbound z/OS and AS/400 Environment contains the top-level parameters displayed in the following table.

TABLE 2 Parameter Settings for the Inbound Environment Explorer

Name	Description
Description	Enter a description for the database.
ServerName	Specifies the host name of the external database server.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.
LocationName	Specifies the Location Name for the DB2 database that is being used on AS400/zOS. You can issue a “Select current sysibm.sysdummy1” to the database to find out its value.
PackageCollection	Specifies the PackageCollection for the DB2 database that is being used on AS400/zOS. Use the same one you used in the Connection Panel.
User	Specifies the user name that the Adapter uses to connect to the database.
Password	Specifies the password used to access the database.

## Outbound DB2 Adapter Environment Properties

The Outbound DB2 Adapter properties, accessed from the Environment Explorer tree, are organized into the following sections:

- [“Outbound Environment Properties for Windows/Unix” on page 8](#)
- [“Outbound Environment Properties for Non-Transactional Windows/Unix” on page 10](#)
- [“Outbound Environment Properties for XA Windows/Unix” on page 12](#)
- [“Outbound Environment Properties for z/OS and AS/400” on page 14](#)
- [“Outbound Environment Properties for Non-Transactional z/OS and AS/400” on page 16](#)

### Outbound Environment Properties for Windows/Unix

The Outbound DB2 Adapter properties for Windows/Unix, accessed from the Environment Explorer tree, are organized into the following sections:

- [“JDBC Connector Settings for Windows/Unix” on page 8](#)
- [“Connection Retry Settings for Windows/Unix” on page 10](#)

### JDBC Connector Settings for Windows/Unix

The **JDBC Connector Settings** section of the Outbound Windows/Unix Environment contains the top-level parameters displayed in the following table.

TABLE 3 Outbound Adapter Windows/Unix Environment - JDBC Connector Settings

Name	Description
Description	Enter a description for the database.
ServerName	Specifies the host name of the external database server.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.
DatabaseName	Specifies the name of the database instance used on the Server.
User	Specifies the user name that the Adapter uses to connect to the database.
Password	Specifies the password used to access the database.
DriverProperties	<p>Any additional settings that are not otherwise part of the external system properties can be set here.</p> <p>Typically, anything that you would pass to the driver through the connect string, in the form of “AProperty = AValue” in Java by calling setAProperty (“AValue”) which becomes setAProperty #AValue##. Use the JDBC driver that is supported by this Adapter.</p> <p><b>Example 1:</b></p> <p>To execute the method “setSpyAttributes” for the DataDirect driver, set the following string for the URL: “setSpyAttribute#&lt;url&gt;##”.</p> <p><b>Example 2:</b></p> <p>To set DataDirect’s Spy Log, the Driver properties entry requires the following string:  “setURL#jdbc:Seebeyond:DB2://&lt;server&gt;:4100;DatabaseName=&lt;database&gt;##setSpyAttributes#log=(file)c:/”</p> <p><b>Note</b> – Spy Log should be set for debugging purposes only.</p> <p><b>Example 3:</b></p> <p>For DB2 UDB, the Connect String parameter “SecurityMechanism=Encrypted Password” can be passed to the driver. “setSecurityMechanism# Encrypted Password##” This will call setSecurityMechanism (“Encrypted Password”) before the connection is established.</p>
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.
MinPoolSize	<p>Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.</p> <p>If the pool size is too small, you may experience longer connection times due to the existing number of physical connections.</p> <p>A connection that stays in the pool allows transactions to use it via a logical connection which is faster.</p>
MaxPoolSize	<p>Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates no maximum.</p> <p>The pool size depends on the transaction volume and response time. If the pool size is too big, you may end up with too many connections with the database.</p>

TABLE 3 Outbound Adapter Windows/Unix Environment - JDBC Connector Settings (Continued)

Name	Description
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.

## Connection Retry Settings for Windows/Unix

The **Connection Retry Settings** section of the Outbound DB2 Adapter Environment contains the top-level parameters displayed in the following table.

TABLE 4 Outbound Adapter Windows/Unix Environment - Connection Retry Settings

Name	Description
ConnectionRetries	Specifies the number of retries to establish a connection with the DB2 Adapter database upon a failure to acquire one.
ConnectionRetry Interval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database in 5 second intervals, a total of 10 times, when the Connection Retries property is set at 10 and the Connection Retry Interval property is 5000.

## Outbound Environment Properties for Non-Transactional Windows/Unix

The Outbound DB2 Adapter properties for Non-Transactional Windows/Unix, accessed from the Environment Explorer tree, are organized into the following sections:

- [“JDBC Connector Settings for Non-Transactional Windows/Unix” on page 10](#)
- [“Connection Retry Settings for Non-Transactional Windows/Unix” on page 12](#)

## JDBC Connector Settings for Non-Transactional Windows/Unix

The **JDBC Connector Settings** section of the Outbound Non-Transactional Windows/Unix Environment contains the top-level parameters displayed in the following table.

TABLE 5 Outbound Non-Transactional Adapter for Windows/Unix - JDBC Connector Settings

Name	Description
Description	Enter a description for the database. <span style="float: right;">A val</span>
ServerName	Specifies the host name of the external database server. <span style="float: right;">Any v</span>
PortNumber	Specifies the I/O port number on which the server is listening for connection requests. <span style="float: right;">A val</span>

**TABLE 5** Outbound Non-Transactional Adapter for Windows/Unix - JDBC Connector Settings  
(Continued)

Name	Description
DatabaseName	Specifies the name of the database instance used on the Server.
User	Specifies the user name that the Adapter uses to connect to the database.
Password	Specifies the password used to access the database.
DriverProperties	<p>Any additional settings that are not otherwise part of the external system properties can be set here.</p> <p>Typically, anything that you would pass to the driver through the connect string, in the form of “AProperty = AValue” can be set in Java by calling setAProperty (“AValue”) which becomes setAProperty #AValue##. Use the JDBC driver that is shipped with this Adapter.</p> <p><b>Example 1:</b></p> <p>To execute the method “setSpyAttributes” for the DataDirect driver, set the following string for the URL: “setSpyAttribute#&lt;url&gt;##”.</p> <p><b>Example 2:</b></p> <p>To set DataDirect’s Spy Log, the Driver properties entry requires the following string:  “setURL#jdbc:Seebeyond:DB2://&lt;server&gt;:4100;DatabaseName=&lt;database&gt;##setSpyAttributes#log=(file”</p> <p><b>Note</b> – Spy Log should be set for debugging purposes only.</p> <p><b>Example 3:</b></p> <p>For DB2 UDB, the Connect String parameter “SecurityMechanism=Encrypted Password” can be passed to the driver as “setSecurityMechanism# Encrypted Password##” This will call setSecurityMechanism (“Encrypted Password”) before the connection is established.</p>
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.
MinPoolSize	<p>Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.</p> <p>If the pool size is too small, you may experience longer connection times due to the existing number of physical connections.</p> <p>A connection that stays in the pool allows transactions to use it via a logical connection which is faster.</p>
MaxPoolSize	<p>Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.</p> <p>The pool size depends on the transaction volume and response time. If the pool size is too big, you may end up with too many connections with the database.</p>
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.

## Connection Retry Settings for Non-Transactional Windows/Unix

The **Connection Retry Settings** section of the Outbound DB2 Adapter Environment contains the top-level parameters displayed in the following table.

**TABLE 6** Outbound Non-Transactional Adapter Windows/Unix - Connection Retry Settings

Name	Description
ConnectionRetries	Specifies the number of retries to establish a connection with the DB2 database upon a failure to acquire one.
ConnectionRetry Interval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with 'Connection Retries' setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database in 5 second intervals, a total of 10 times, when the Connection Retries property is set at 10 and the Connection Retry Interval property is 5000.

## Outbound Environment Properties for XA Windows/Unix

The Outbound DB2 Adapter properties for XA Windows/Unix, accessed from the Environment Explorer tree, are organized into the following sections:

- [“JDBC Connector Settings for XA Windows/Unix” on page 12](#)
- [“Connection Retry Settings for XA Windows/Unix” on page 13](#)

## JDBC Connector Settings for XA Windows/Unix

The **JDBC Connector Settings** section of the Outbound XA Windows/Unix Environment contains the top-level parameters displayed in the following table.

**TABLE 7** Outbound XA Adapter for Windows/Unix - JDBC Connector Settings

Name	Description
Description	Enter a description for the database.
ServerName	Specifies the host name of the external database server.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.
DatabaseName	Specifies the name of the database instance used on the Server.
User	Specifies the user name that the Adapter uses to connect to the database.
Password	Specifies the password used to access the database.

TABLE 7 Outbound XA Adapter for Windows/Unix - JDBC Connector Settings (Continued)

Name	Description
DriverProperties	<p>Any additional settings that are not otherwise part of the external system properties can be set here.</p> <p>Typically, anything that you would pass to the driver through the connect string, in the form of “AProperty = AValue” set in Java by calling setAProperty (“AValue”) which becomes setAProperty #AValue##. Use the JDBC driver that comes with this Adapter.</p> <p><b>Example 1:</b></p> <p>To execute the method “setSpyAttributes” for the DataDirect driver, set the following string for the URL: “setSpyAttribute#&lt;url&gt;##”.</p> <p><b>Example 2:</b></p> <p>To set DataDirect’s Spy Log, the Driver properties entry requires the following string:  “setURL#jdbc:Seebeyond:DB2://&lt;server&gt;:4100;DatabaseName=&lt;database&gt;##setSpyAttributes#log=(file)c:\log\spy.log”</p> <p><b>Note</b> – Spy Log should be set for debugging purposes only.</p> <p><b>Example 3:</b></p> <p>For DB2 UDB, the Connect String parameter “SecurityMechanism=Encrypted Password” can be passed to the driver. The driver will call setSecurityMechanism (“Encrypted Password”) before the connection is established.</p>
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.
MinPoolSize	<p>Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.</p> <p>If the pool size is too small, you may experience longer connection times due to the existing number of physical connections.</p> <p>A connection that stays in the pool allows transactions to use it via a logical connection which is faster.</p>
MaxPoolSize	<p>Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.</p> <p>The pool size depends on the transaction volume and response time. If the pool size is too big, you may end up with too many connections with the database.</p>
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.

## Connection Retry Settings for XA Windows/Unix

The **Connection Retry Settings** section of the Outbound DB2 Adapter Environment contains the top-level parameters displayed in the following table.

TABLE 8 Outbound XA Adapter Windows/Unix - Connection Retry Settings

Name	Description
ConnectionRetries	Specifies the number of retries to establish a connection with the DB2 database upon a failure to acquire one.
ConnectionRetry Interval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database in 5 second intervals, a total of 10 times, when the Connection Retries property is set at 10 and the Connection Retry Interval property is 5000.

## Outbound Environment Properties for z/OS and AS/400

The Outbound z/OS and AS/400 properties, accessed from the Environment Explorer tree, are organized into the following sections:

- [“JDBC Connector Settings for z/OS and AS/400” on page 14](#)
- [“Connection Retry Settings for z/OS and AS/400” on page 15](#)

## JDBC Connector Settings for z/OS and AS/400

The **JDBC Connector Settings** section of the Outbound z/OS and AS/400 Environment contains the top-level parameters displayed in the following table.

TABLE 9 Outbound Adapter z/OS and AS/400 Environment - JDBC Connector Settings

Name	Description
Description	Enter a description for the database.
ServerName	Specifies the host name of the external database server.
LocationName	Specifies the Location Name for the DB2 database that is being used on AS400/zOS. You can issue a “Select current service from sysibm.sysdummy1” to the database to find out its value.
PackageCollection	Specifies the PackageCollection for the DB2 database that is being used on AS400/zOS. Use the same one you used in the Wizard Connection Panel.
User	Specifies the user name that the Adapter uses to connect to the database.
Password	Specifies the password used to access the database.

TABLE 9 Outbound Adapter z/OS and AS/400 Environment - JDBC Connector Settings (Continued)

Name	Description
DriverProperties	<p>Any additional settings that are not otherwise part of the external system properties can be set here.</p> <p>Typically, anything that you would pass to the driver through the connect string, in the form of “AProperty = AValue” can be set in Java by calling setAProperty (“AValue”) which becomes setAProperty #AValue##. Use the JDBC driver that is shipped with this Adapter.</p> <p><b>Example 1:</b></p> <p>To execute the method “setSpyAttributes” for the DataDirect driver, set the following string for the URL: “setSpyAttribute#&lt;url&gt;##”.</p> <p><b>Example 2:</b></p> <p>To set DataDirect’s Spy Log, the Driver properties entry requires the following string:</p> <p>“setURL#jdbc:Seebeyond:DB2://&lt;server&gt;:4100;DatabaseName=&lt;database&gt;##setSpyAttributes#log=(file”</p> <p><b>Note</b> – Spy Log should be set for debugging purposes only.</p> <p><b>Example 3:</b></p> <p>For DB2 UDB, the Connect String parameter “SecurityMechanism=Encrypted Password” can be passed to the driver as “setSecurityMechanism# Encrypted Password##” This will call setSecurityMechanism (“Encrypted Password”) before the connection is established.</p>
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.
MinPoolSize	<p>Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.</p> <p>If the pool size is too small, you may experience longer connection times due to the existing number of physical connections.</p> <p>A connection that stays in the pool allows transactions to use it via a logical connection which is faster.</p>
MaxPoolSize	<p>Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.</p> <p>The pool size depends on the transaction volume and response time. If the pool size is too big, you may end up with too many connections with the database.</p>
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.

## Connection Retry Settings for z/OS and AS/400

The **Connection Retry Settings** section of the Outbound z/OS and AS/400 Environment contains the top-level parameters displayed in the following table.

TABLE 10 Outbound Adapter z/OS and AS/400 Environment - Connection Retry Settings

Name	Description
ConnectionRetries	Specifies the number of retries to establish a connection with the DB2 Adapter database upon a failure to acquire one.
ConnectionRetry Interval	Specifies the milliseconds of pause before each reattempt to access the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database in 5 second intervals, a total of 10 times, when the Connection Retries property is set at 10 and the Connection Retry Interval property is 5000.

## Outbound Environment Properties for Non-Transactional z/OS and AS/400

The Outbound Non-Transactional z/OS and AS/400 properties, accessed from the Environment Explorer tree, are organized into the following sections:

- [“JDBC Connector Settings for Non-Transactional z/OS and AS/400” on page 16](#)
- [“Connection Retry Settings for Non-Transactional z/OS and AS/400” on page 17](#)

### JDBC Connector Settings for Non-Transactional z/OS and AS/400

The **JDBC Connector Settings** section of the Outbound Non-Transactional z/OS and AS/400 Environment contains the top-level parameters displayed in the following table.

TABLE 11 Outbound Non-transactional Adapter for z/OS and AS/400 - JDBC Connector Settings

Name	Description	
Description	Enter a description for the database.	A valid string
ServerName	Specifies the host name of the external database server.	Any valid string
LocationName	Specifies the Location Name for the DB2 database that is being used on AS400/zOS. You can issue a “Select current service from sysibm.sysdummy1” to the database to find out its value.	A valid position
PackageCollection	Specifies the PackageCollection for the DB2 database that is being used on AS400/zOS. Use the same one you used in the Wizard Connection Panel.	Any valid string
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string
Password	Specifies the password used to access the database.	Any valid string

**TABLE 11** Outbound Non-transactional Adapter for z/OS and AS/400 - JDBC Connector Settings  
(Continued)

Name	Description
DriverProperties	<p>Any additional settings that are not otherwise part of the external system properties can be set here.</p> <p>Typically, anything that you would pass to the driver through the connect string, in the form of “AProperty = AValue” can be set in Java by calling setAProperty (“AValue”) which becomes setAProperty #AValue##. Use the JDBC driver that is shipped with this Adapter.</p> <p><b>Example 1:</b></p> <p>To execute the method “setSpyAttributes” for the DataDirect driver, set the following string for the URL: “setSpyAttribute#&lt;url&gt;##”.</p> <p><b>Example 2:</b></p> <p>To set DataDirect’s Spy Log, the Driver properties entry requires the following string:  “setURL#jdbc:Seebeyond:DB2://&lt;server&gt;:4100;DatabaseName=&lt;database&gt;##setSpyAttributes#log= (file</p> <p><b>Note</b> – Spy Log should be set for debugging purposes only.</p> <p><b>Example 3:</b></p> <p>For DB2 UDB, the Connect String parameter “SecurityMechanism=Encrypted Password” can be passed to the driver as “setSecurityMechanism# Encrypted Password##” This will call setSecurityMechanism (“Encrypted Password”) before the connection is established.</p>
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.
MinPoolSize	<p>Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.</p> <p>If the pool size is too small, you may experience longer connection times due to the existing number of physical connections.</p> <p>A connection that stays in the pool allows transactions to use it via a logical connection which is faster.</p>
MaxPoolSize	<p>Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.</p> <p>The pool size depends on the transaction volume and response time. If the pool size is too big, you may end up with too many connections with the database.</p>
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.

## Connection Retry Settings for Non-Transactional z/OS and AS/400

The **Connection Retry Settings** section of the Outbound Non-Transactional z/OS and AS/400 Environment contains the top-level parameters displayed in the following table.

TABLE 12 Outbound Non-Transactional Adapter for z/OS and AS/400 - Connection Retry Settings

Name	Description
ConnectionRetries	Specifies the number of retries to establish a connection with the DB2 Adapter database upon a failure to acquire one.
ConnectionRetry Interval	Specifies the milliseconds of pause before each reattempt to access the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database in 5 second intervals, a total of 10 times, when the Connection Retries property is set at 10 and the Connection Retry Interval property is 5000.

## eTL Environment Properties

This section contains all the configuration properties needed for eTL collaborations.

### Alternate ID Properties

This section contains all the configuration properties that allow the user to override database catalogs and/or schema names used in the sql statements generated by eTL collaborations. The **Alternate ID** section contains the top-level parameters displayed in the following table. The configuration properties specified in this section will not affect the functionality of DB2 Adapter.

TABLE 13 eTL Environment - Alternate ID Settings

Name	Description
OverwriteCatalog Name	Indicates whether or not to overwrite the database catalog name in the sql statements generated by eTL collaboration.
CatalogNameMap	Specifies the key-value pair(s) for catalog name overwrites. The correct format is: <oldCatalogName1>=<newCatalogName1>;<oldCatalogName2>=<newCatalogName2>;...
OverwriteSchema Name	Indicates whether or not to overwrite the database schema name in the sql statements generated by eTL collaboration.
SchemaNameMap	Specifies the key-value pair(s) for schema name overwrites. The correct format is: <oldSchemaName1>=<newSchemaName1>;<oldSchemaName2>=<newSchemaName2>;...

## Configuring DB2 Connect Adapter Environment Properties

The DB2 Connect Adapter configuration parameters, accessed from the Environment Explorer tree, are organized into the following sections:

- “Inbound DB2 Connect Adapter - Parameter Settings” on page 19
- “Outbound DB2 Connect Adapter - JDBC Connector Settings” on page 20
- “Outbound DB2 Connect Adapter - Connection Retry Settings” on page 20
- “Outbound DB2 Connect non-Transactional Adapter - JDBC Connector Settings” on page 21
- “Outbound DB2 Connect non-Transactional Adapter - Connection Retry Settings” on page 22
- “Outbound DB2 Connect XA Adapter - JDBC Connector Settings” on page 22
- “Outbound DB2 Connect XA Adapter - Connection Retry Settings” on page 23
- “Inbound DB2 Connect Type 4 Adapter - Parameter Settings” on page 24
- “Outbound DB2 Connect Type 4 Adapter - JDBC Connector Settings” on page 24
- “Outbound DB2 Connect Type 4 Adapter - Connection Retry Settings” on page 25
- “Outbound DB2 Connect non-Transactional Type 4 Adapter - JDBC Connector Settings” on page 26
- “Outbound DB2 Connect non-Transactional Type 4 Adapter - Connection Retry Settings” on page 27
- “Outbound DB2 Connect Type 4 XA Adapter - JDBC Connector Settings” on page 27
- “Outbound DB2 Connect Type 4 XA Adapter - Connection Retry Settings” on page 28

### Inbound DB2 Connect Adapter - Parameter Settings

The **Inbound DB2 Connect Adapter > Parameter Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

TABLE 14 Inbound DB2 Connect Adapter - Parameter Settings.

Name	Description	
Description	Enter a description for the database.	A valid string. The def
DatabaseName	Specifies the name of the database instance used on the Server.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.

## Outbound DB2 Connect Adapter - JDBC Connector Settings

The **Outbound DB2 Connect Adapter > JDBC Connector Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

TABLE 15 Outbound DB2 Connect Adapter - JDBC Connector Settings

Name	Description	Re
Description	Enter a description for the database.	A valid string. The default v <b>Pool DataSource.</b>
DatabaseName	Specifies the name of the database instance used on the Server.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	Use the JDBC driver that is shipped with this Adapter. Often times the DataSource implementation needs to execute additional methods to assure a connection. You must identify the additional methods in the Driver Properties.	Any valid delimiter. Valid delimiters are: “<method-name-1>#<para For example: To obtain a D a string for the email “settraceLevel#-1##settrace
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #.
MinPoolSize	The minimum number of physical connections the pool keeps available at all times. 0 (zero) indicates that there are no physical connections in the pool and new connections are created as needed.	A valid numeric value. The
MaxPoolSize	The maximum number of physical connections the pool keeps available at all times. 0 (zero) indicates that there is no maximum.	A valid numeric value. The
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The

## Outbound DB2 Connect Adapter - Connection Retry Settings

The **Outbound DB2 Connect Adapter > Connection Retry Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

TABLE 16 Outbound DB2 Connect Adapter - Connection Retry Settings

Name	Description	
ConnectionRetries	Specifies the number of retries to establish a connection with the DB2 Connect database upon a failure to acquire one.	an integer indicating establish a connection
ConnectionRetry Interval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the Connection Retries setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database 10 times in 5 seconds intervals when the Connection Retries is 10 and the Connection Retry Interval is 5000.	An integer indicating milliseconds) before file. The configured c

## Outbound DB2 Connect non-Transactional Adapter - JDBC Connector Settings

The **Outbound DB2 Connect non-Transactional Adapter > JDBC Connector Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

TABLE 17 Outbound DB2 Connect non-Transactional Adapter - JDBC Connector Settings

Name	Description	
Description	Enter a description for the database.	A valid string. The default va <b>Connection Pool Datasourc</b>
DatabaseName	Specifies the name of the database instance used on the Server.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	Use the JDBC driver that is shipped with this Adapter. Often times the DataSource implementation needs to execute additional methods to assure a connection. You must identify the additional methods in the Driver Properties.	Any valid delimiter.  Valid delimiters are: “<method-name-1>#<param  For example: To obtain a DB for the email “settraceLevel#
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #.
MinPoolSize	The minimum number of physical connections the pool keeps available at all times. 0 (zero) indicates that there are no physical connections in the pool and new connections are created as needed.	A valid numeric value. The d
MaxPoolSize	The maximum number of physical connections the pool keeps available at all times. 0 (zero) indicates that there is no maximum.	A valid numeric value. The d

**TABLE 17** Outbound DB2 Connect non-Transactional Adapter - JDBC Connector Settings  
(Continued)

Name	Description	Required
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The default is

## Outbound DB2 Connect non-Transactional Adapter - Connection Retry Settings

The **Outbound DB2 Connect non-Transactional Adapter > Connection Retry Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

**TABLE 18** Outbound DB2 Connect non-Transactional Adapter - Connection Retry Settings

Name	Description	Required
ConnectionRetries	Specifies the number of retries to establish a connection with the DB2 Connect database upon a failure to acquire one.	an integer indicating the number of connection. The configured default
ConnectionRetry Interval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the Connection Retries setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database 10 times in 5 seconds intervals when the Connection Retries is 10 and the Connection Retry Interval is 5000.	An integer indicating the configured milliseconds) before each reattempt. The configured default is <b>1000</b> (1 se

## Outbound DB2 Connect XA Adapter - JDBC Connector Settings

The **Outbound DB2 Connect XA Adapter > JDBC Connector Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

**TABLE 19** Outbound DB2 Connect XA Adapter - JDBC Connector Settings

Name	Description	Required
Description	Enter a description for the database.	A valid string. The default value is D
DatabaseName	Specifies the name of the database instance used on the Server.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.

TABLE 19 Outbound DB2 Connect XA Adapter - JDBC Connector Settings (Continued)

Name	Description	
DriverProperties	Use the JDBC driver that is shipped with this Adapter. Often times the DataSource implementation needs to execute additional methods to assure a connection. You must identify the additional methods in the Driver Properties.	Any valid delimiter. Valid delimiters are: “<method-name-1>#<param For example: To obtain a DB string for the email “settraceLevel#-1##settraceF
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #.
MinPoolSize	The minimum number of physical connections the pool keeps available at all times. 0 (zero) indicates that there are no physical connections in the pool and new connections are created as needed.	A valid numeric value. The d
MaxPoolSize	The maximum number of physical connections the pool keeps available at all times. 0 (zero) indicates that there is no maximum.	A valid numeric value. The d
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The d

## Outbound DB2 Connect XA Adapter - Connection Retry Settings

The **Outbound DB2 Connect XA Adapter > Connection Retry Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

TABLE 20 Outbound DB2 Connect XA Adapter - Connection Retry Settings

Name	Description	
ConnectionRetries	Specifies the number of retries to establish a connection with the DB2 Connect database upon a failure to acquire one.	an integer indicating connection. The con
ConnectionRetry Interval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the Connection Retries setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database 10 times in 5 seconds intervals when the Connection Retries is 10 and the Connection Retry Interval is 5000.	An integer indicating (milliseconds) before configured default is

## Inbound DB2 Connect Type 4 Adapter - Parameter Settings

The **Inbound DB2 Connect Type 4 Adapter > Parameter Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

TABLE 21 Inbound DB2 Connect Type 4 Adapter - Parameter Settings

Name	Description	Required Value
Description	Enter a description for the database.	A valid string. The default is <b>DB2 Connect</b> .
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default is 4444.
DatabaseName	Specifies the name of the database instance used on the Server.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.

## Outbound DB2 Connect Type 4 Adapter - JDBC Connector Settings

The **Outbound DB2 Connect Type 4 Adapter > JDBC Connector Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

TABLE 22 Outbound DB2 Connect Type 4 Adapter - JDBC Connector Settings

Name	Description	Required Value
Description	Enter a description for the database.	A valid string. The default value is <b>DB2 Connect Connection Pool Datasource</b> .
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default is 4444.
DatabaseName	Specifies the name of the database instance used on the Server.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.

TABLE 22 Outbound DB2 Connect Type 4 Adapter - JDBC Connector Settings (Continued)

Name	Description	Re
DriverProperties	Use the JDBC driver that is shipped with this Adapter. Often times the DataSource implementation needs to execute additional methods to assure a connection. You must identify the additional methods in the Driver Properties.	Any valid delimiter. Valid delimiters are: “<method-name-1>#<param- For example: To obtain a DB2 string for the email “settraceLevel#-1##settraceFil
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #.
MinPoolSize	The minimum number of physical connections the pool keeps available at all times. 0 (zero) indicates that there are no physical connections in the pool and new connections are created as needed.	A valid numeric value. The def
MaxPoolSize	The maximum number of physical connections the pool keeps available at all times. 0 (zero) indicates that there is no maximum.	A valid numeric value. The def
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The def

## Outbound DB2 Connect Type 4 Adapter - Connection Retry Settings

The **Outbound DB2 Connect Type 4 Adapter > Connection Retry Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

TABLE 23 Outbound DB2 Connect Type 4 Adapter - Connection Retry Settings

Name	Description	
ConnectionRetries	Specifies the number of retries to establish a connection with the DB2 Connect database upon a failure to acquire one.	an integer indicating the connection. The configu
ConnectionRetry Interval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the Connection Retries setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database 10 times in 5 seconds intervals when the Connection Retries is 10 and the Connection Retry Interval is 5000.	An integer indicating the milliseconds) before each configured default is 100

## Outbound DB2 Connect non-Transactional Type 4 Adapter - JDBC Connector Settings

The **Outbound DB2 Connect non-Transactional Type 4 Adapter > JDBC Connector Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

TABLE 24 Outbound DB2 Connect non-Transactional Type 4 Adapter - JDBC Connector Settings

Name	Description	Requirements
Description	Enter a description for the database.	A valid string. The default value is <b>Pool DataSource</b> .
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default is 5000.
DatabaseName	Specifies the name of the database instance used on the Server.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	Use the JDBC driver that is shipped with this Adapter. Often times the DataSource implementation needs to execute additional methods to assure a connection. You must identify the additional methods in the Driver Properties.	Any valid delimiter. Valid delimiters are: “<method-name-1>#<param-1>#” For example: To obtain a DB2 Connection Pool for the email “settraceLevel#-1##settraceFile#c:”
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #.
MinPoolSize	The minimum number of physical connections the pool keeps available at all times. 0 (zero) indicates that there are no physical connections in the pool and new connections are created as needed.	A valid numeric value. The default is 5.
MaxPoolSize	The maximum number of physical connections the pool keeps available at all times. 0 (zero) indicates that there is no maximum.	A valid numeric value. The default is 10.
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The default is 300.

## Outbound DB2 Connect non-Transactional Type 4 Adapter - Connection Retry Settings

The **Outbound DB2 Connect non-Transactional Type 4 Adapter > Connection Retry Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

TABLE 25 Outbound DB2 Connect non-Transactional Type 4 Adapter - Connection Retry Settings

Name	Description	
ConnectionRetries	Specifies the number of retries to establish a connection with the DB2 Connect database upon a failure to acquire one.	an integer indicating the number of retries before giving up on the connection. The configured default is 10.
ConnectionRetry Interval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the Connection Retries setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database 10 times in 5 seconds intervals when the Connection Retries is 10 and the Connection Retry Interval is 5000.	An integer indicating the number of milliseconds (before each retry) before each retry. The configured default is 1000 (1 second).

## Outbound DB2 Connect Type 4 XA Adapter - JDBC Connector Settings

The **Outbound DB2 Connect Type 4 XA Adapter > JDBC Connector Settings** section of the DB2 Connect Environment properties, contains the top-level parameters displayed in the following table.

TABLE 26 Outbound DB2 Connect Type 4 XA Adapter - JDBC Connector Settings

Name	Description	Required Value
Description	Enter a description for the database.	A valid string. The default value is <b>Datasource</b> .
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default value is 5000.
DatabaseName	Specifies the name of the database instance used on the Server.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.



# Configuring the Informix Adapter Environment Properties

The Adapter Environment Configuration properties contain parameters that define how the adapter connects to and interacts with other Sun Enterprise Service Bus components within the Environment. When you create a new Informix External System, you may configure the type of External System required.

Available External System properties include:

- “Informix Adapter External System Properties” on page 29
- “Outbound Informix Adapter External System Properties” on page 30
- “Outbound non-Transactional InformixAdapter External System Properties” on page 32
- “Outbound XA Informix Adapter External System Properties” on page 33

## Informix Adapter External System Properties

Adapter External System properties must be configured from within the Environment. Until you have successfully configured all adapters for your Java CAPS project, your project cannot be properly executed. The following list identifies the Informix Adapter properties. There are four adapter connection types that the Informix Adapter implements.

- **Inbound Adapter**
  - [Table 28](#)
- **Outbound Adapter**
  - [Table 29](#)
  - [Table 30](#)
- **Outbound non-Transactional Adapter**
  - [Table 31](#)
  - [Table 32](#)
- **Outbound XA Adapter**
  - [Table 33](#)
  - [Table 34](#)

## Inbound Informix Adapter External System Properties

Before deploying your adapter, you will need to set the Environment properties. This section describes the External System properties used by the Inbound Informix Adapter.

Details for the Inbound Informix Adapter Parameter Settings are listed in the following table.

TABLE 28 Inbound Informix Adapter External System Parameter Settings

Name	Description	Required Value
Description	The description of the database.	Any valid string.
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default is <b>1526</b> .
InformixServer	Specifies the name of the Informix server being used.	Any valid string.
DatabaseName	Specifies the name of the database being used by the server.	Any valid string.
User	Specifies the user name the adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.

## Outbound Informix Adapter External System Properties

Before deploying your adapter, you will need to set the Environment properties. This section describes the External System properties used by the Outbound Informix Adapter.

TABLE 29 Outbound Adapter External System JDBC Connector Settings

Name	Description	Required Value
Description	Enter a description for the database. The default is INFORMIX Connection Pool Datasource.	Any valid string.
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default is <b>1526</b> .
InformixServer	Specifies the name of the Informix server being used.	Any valid string.
DatabaseName	Specifies the name of the database being used by the server.	Any valid string.
User	Specifies the user name the adapter uses to connect to the database.	Any valid string.

TABLE 29 Outbound Adapter External System JDBC Connector Settings (Continued)

Name	Description	Required Value
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	Specifies the driver properties used for this adapter. If you choose not to use the JDBC driver that is shipped with this adapter, you will need to add the drivers properties to the adapter. Often times the DataSource implementation will need to execute additional properties to assure a connection. The additional methods will need to be identified in the Driver Properties.	Any valid delimiter. Valid delimiters are: “<method-name-1>#<param-1>#<param-2>##..”  For example: to execute the method setURL, give the method a String for the URL “setURL#<url>##”.  <b>Note</b> – The setSpyAttributes, contained in the following examples (between the last set of double octothorps [##] within each example), are used for debugging purposes and need not be used on every occasion.  “setURL#jdbc:SeeBeyond:informix://<host>152
Delimiter	Specifies the delimiter character used in the DriverProperties prompt.	The default is #.
MinPoolSize	Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.	A valid numeric value. The default is 0.
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.	A valid numeric value. The default is 10.
MaxIdleTime	Specifies the maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The default is 0.

TABLE 30 Outbound Informix Adapter External System Connection Retry Settings

Name	Description	Required Value
ConnectionRetries	Specifies the number of retries to establish a connection upon initial failure.	A valid numeric value. The default is 0.
ConnectionRetryInterval	Specifies the number of milliseconds of pause before each reattempt to access the destination file. This property is used in conjunction with the Connection Retries setting.	A valid numeric value. The default is 1000.

## Outbound non-Transactional InformixAdapter External System Properties

Before deploying your adapter, you will need to set the Environment properties. This section describes the External System properties used by the Outbound Informix non-Transactional Adapter.

TABLE 31 Outbound non-Transactional Informix Adapter External System JDBC Connector Settings

Name	Description	Required Values
Description	Enter a description for the database. The default is INFORMIX non-Transactional Connection Pool Datasource.	Any valid string.
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default is <b>1526</b> .
InformixServer	Specifies the name of the Informix server being used.	Any valid string.
DatabaseName	Specifies the name of the database being used by the server.	Any valid string.
User	Specifies the user name the adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	Specifies the driver properties used for this adapter. If you choose not to use the JDBC driver that is shipped with this adapter, you will need to add the drivers properties to the adapter. Often times the DataSource implementation will need to execute additional properties to assure a connection. The additional methods will need to be identified in the Driver Properties.	<p>Any valid delimiter.</p> <p>Valid delimiters are:  <code>"&lt;method-name-1&gt;#&lt;param-1&gt;#&lt;param-2&gt;##....."</code></p> <p>For example: to execute the method setURL, give the method a String for the URL <code>"setURL#&lt;url&gt;##"</code>.</p> <p><b>Note</b> – The setSpyAttributes, contained in the following examples (between the last set of double octothorps [##] within each example), are used for debugging purposes and need not be used on every occasion.</p> <p><code>"setURL#jdbc:SeeBeyond:informix://&lt;host&gt;1526;D</code></p>

**TABLE 31** Outbound non-Transactional Informix Adapter External System JDBC Connector Settings  
(Continued)

Name	Description	Required Values
Delimiter	Specifies the delimiter character used in the DriverProperties prompt.	The default is #.
MinPoolSize	Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.	A valid numeric value. The default is <b>0</b> .
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.	A valid numeric value. The default is <b>10</b> .
MaxIdleTime	Specifies the maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The default is <b>0</b> .

**TABLE 32** Outbound non-Transactional Informix Adapter External System Connection Retry Settings

Name	Description	Required Value
ConnectionRetries	Specifies the number of retries to establish a connection upon initial failure.	A valid numeric value. The default is <b>0</b> .
ConnectionRetryInterval	Specifies the number of milliseconds of pause before each reattempt to access the destination file. This property is used in conjunction with the Connection Retries setting.	A valid numeric value. The default is <b>1000</b> .

## Outbound XA Informix Adapter External System Properties

Before deploying your adapter, you will need to set the Environment properties. This section describes the External System properties used by the Outbound Informix XA Adapter.

**TABLE 33** Outbound XA Informix Adapter External System JDBC Connector Settings

Name	Description	Required Value
Description	Enter a description for the database. The default is INFORMIX XA Connection Pool Datasource.	Any valid string.

TABLE 33 Outbound XA Informix Adapter External System JDBC Connector Settings (Continued)

Name	Description	Required Value
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default is <b>1526</b> .
InformixServer	Specifies the name of the Informix server being used.	Any valid string.
DatabaseName	Specifies the name of the database being used by the server.	Any valid string.
User	Specifies the user name the adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	Specifies the driver properties used for this adapter. If you choose not to use the JDBC driver that is shipped with this adapter, you will need to add the drivers properties to the adapter. Often times the DataSource implementation will need to execute additional properties to assure a connection. The additional methods will need to be identified in the Driver Properties.	Any valid delimiter. Valid delimiters are: “<method-name-1>#<param-1>#<param-2>##.....<param-3>##” For example: to execute the method setURL, give the method a String for the URL “setURL#<url>##”. <b>Note</b> – The setSpyAttributes, contained in the following examples (between the last set of double octothorps [##] within each example), are used for debugging purposes and need not be used on every occasion. “setURL#jdbc:SeeBeyond:informix://<host>1526;DatabaseName”
Delimiter	Specifies the delimiter character used in the DriverProperties prompt.	The default is #.
MinPoolSize	Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.	A valid numeric value. The default is <b>0</b> .
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.	A valid numeric value. The default is <b>10</b> .

**TABLE 33** Outbound XA Informix Adapter External System JDBC Connector Settings *(Continued)*

Name	Description	Required Value
MaxIdleTime	Specifies the maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The default is <b>0</b> .

**TABLE 34** Outbound XA Informix Adapter External System Connection Retry Settings

Name	Description	Required Value
ConnectionRetries	Specifies the number of retries to establish a connection upon initial failure.	A valid numeric value. The default is <b>0</b> .
ConnectionRetryInterval	Specifies the number of milliseconds of pause before each reattempt to access the destination file. This property is used in conjunction with the Connection Retries setting.	A valid numeric value. The default is <b>1000</b> .

## Configuring Oracle Adapter Environment Properties

The Oracle Adapter configuration parameters, accessed from the Environment Explorer tree, are organized into the following sections:

- “Inbound Oracle Adapter Environment Properties” on page 35
- “Outbound Oracle Adapter Environment Properties” on page 36
- “Outbound Oracle Adapter Environment Properties with XA support” on page 38

## Inbound Oracle Adapter Environment Properties

The **Parameter Settings** section of the Inbound Oracle Environment contains the top-level parameters displayed in the following table.

**TABLE 35** Inbound Oracle Adapter Environment Properties

Name	Description	Required Value
Description	Enter a description for the database.	A valid string. The default is <b>Oracle DriverManager</b>
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default is <b>1521</b> .

TABLE 35 Inbound Oracle Adapter Environment Properties (Continued)

Name	Description	Required Value
DatabaseName	Specifies the name of the Oracle SID.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.

## Outbound Oracle Adapter Environment Properties

The Outbound Oracle Adapter properties, accessed from the Environment Explorer tree, are organized into the following sections:

- “JDBC Connector Settings” on page 36
- “Connection Retry Settings” on page 38

### JDBC Connector Settings

The **JDBC Connector Settings** section of the Outbound Oracle Environment contains the top-level parameters displayed in the following table.

TABLE 36 Outbound Adapter Environment JDBC Connector Settings

Name	Description	Required Value
Description	Enter a description for the database.	A valid string. The default is <b>Oracle Connection Pool Datasource</b>
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default is <b>1521</b> .
DatabaseName	Specifies the name of the Oracle SID.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.

TABLE 36 Outbound Adapter Environment JDBC Connector Settings (Continued)

Name	Description	Required Value
DriverProperties (Optional Setting)	Use the JDBC driver that is shipped with this Adapter. The DataSource implementation may need to execute additional methods to assure a successful run. The additional methods will need to be identified in the Driver Properties.  <b>Note</b> – This field is seldomly used for Oracle.	The delimiter set by the user. For more information, see the Delimiter property below.  Valid delimiters are:  “<method-name-1>#<param-1>”
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #. See the DriverProperties property above for more information on how the default value is used.
TNSEntry	Specifies the TNS name for the Oracle instance specified in TNSNAMES.ORA. If a TNS name is specified, then the OCI driver is used, which further requires installation of the Oracle client. If a TNS name is not specified, then the thin driver is used.	A valid TNS name if using the OCI driver; otherwise do not enter any value.
MinPoolSize	Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.  If the pool size is too small, you may experience longer connection times due to the existing number of physical connections.  A connection that stays in the pool allows transactions to use it via a logical connection which is faster.	A valid numeric value. The default is 0.
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.  The pool size depends on the transaction volume and response time. If the pool size is too big, you may end up with too many connections with the database.	A valid numeric value. The default is 10.
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The default is 0.

## Connection Retry Settings

The **Connection Retry Settings** section of the Outbound Oracle Environment contains the top-level parameters displayed in the following table.

TABLE 37 Outbound Adapter Environment Connection Retry Settings

Name	Description	Required Value
ConnectionRetries	Specifies the number of retries to establish a connection with the Oracle database upon a failure to acquire one.	an integer indicating the number of attempts allowed to establish a connection. The configured default is <b>0</b> .
ConnectionRetryInterval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database in 5 second intervals, a total of 10 times, when the Connection Retries property is set at 10 and the Connection Retry Interval property is 5000.	An integer indicating the configured length of the time (in milliseconds) before each reattempt to access the destination file. The configured default is <b>1000</b> ( 1 second).

## Outbound Oracle Adapter Environment Properties with XA support

The Outbound Oracle Adapter properties with XA support, accessed from the Environment Explorer tree, are organized into the following sections:

- “JDBC Connector Settings (with XA support)” on page 38
- “Connection Retry Settings (with XA support)” on page 40

### JDBC Connector Settings (with XA support)

The **JDBC Connector Settings** section of the Outbound XA Oracle Environment contains the top-level parameters displayed in the following table.

TABLE 38 Outbound XA Adapter Environment JDBC Connector Settings

Name	Description	Required Value
Description	Enter a description for the database.	A valid string. The default is <b>Oracle XA Datasource</b>
ServerName	Specifies the host name of the external database server.	Any valid string.

TABLE 38 Outbound XA Adapter Environment JDBC Connector Settings (Continued)

Name	Description	Required Value
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default is <b>1521</b> .
DatabaseName	Specifies the name of the Oracle SID.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties (Optional Setting)	Use the JDBC driver that is shipped with this Adapter. The DataSource implementation may need to execute additional methods to assure a successful run. The additional methods will need to be identified in the Driver Properties.	The delimiter set by the user. For more information, see the Delimiter property below.  Valid delimiters are:  “<method-name-1>#<param-1>#<param-2>
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #. See the DriverProperties property above for more information on how the default value is used.
TNSEntry	Specifies the TNS name for the Oracle instance specified in TNSNAMES.ORA. If a TNS name is specified, then the OCI driver is used, which further requires installation of the Oracle client. If a TNS name is not specified, then the thin driver is used.	A valid TNS name if using the OCI driver; otherwise do not enter any value.
MinPoolSize	Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.  If the pool size is too small, you may experience longer connection times due to the existing number of physical connections.  A connection that stays in the pool allows transactions to use it via a logical connection which is faster.	A valid numeric value. The default is 0.

TABLE 38 Outbound XA Adapter Environment JDBC Connector Settings (Continued)

Name	Description	Required Value
MaxPoolSize	<p>Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.</p> <p>The pool size depends on the transaction volume and response time. If the pool size is too big, you may end up with too many connections with the database.</p>	A valid numeric value. The default is <b>10</b> .
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The default is <b>0</b> .

## Connection Retry Settings (with XA support)

The **Connection Retry Settings** section of the Outbound XA Oracle Environment contains the top-level parameters displayed in the following table.

TABLE 39 Outbound XA Adapter Environment Connection Retry Settings

Name	Description	Required Value
ConnectionRetries	Specifies the number of retries to establish a connection with the Oracle database upon a failure to acquire one.	an integer indicating the number of attempts allowed to establish a connection. The configured default is <b>0</b> .
ConnectionRetryInterval	<p>Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the 'Connection Retries' setting.</p> <p>For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database in 5 second intervals, a total of 10 times, when the Connection Retries property is set at 10 and the Connection Retry Interval property is 5000.</p>	An integer indicating the configured length of the time (in milliseconds) before each reattempt to access the destination file. The configured default is <b>1000</b> ( 1 second).

# Configuring SQL Server Adapter Environment Properties

The SQL Server Adapter configuration parameters, accessed from the Environment Explorer tree, are organized into the following sections:

- “Inbound SQL Server Adapter Properties” on page 41
- “Outbound SQL Server Adapter Properties” on page 41
- “Outbound SQL Server Non-Transactional Adapter Properties” on page 43
- “Outbound SQL Server XA Adapter Properties” on page 45

## Inbound SQL Server Adapter Properties

The **Parameter Settings** section of the Inbound SQL Server Environment contains the top-level parameters displayed in the following table.

TABLE 40 Inbound SQL Server Adapter Environment Properties

Name	Description	
Description	Enter a description for the database.	A valid string. The default is <b>SQLServ</b>
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default is 14
DatabaseName	Specifies the name of the database instance used on the Server.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.

## Outbound SQL Server Adapter Properties

The Outbound SQL Server Adapter properties, accessed from the Environment Explorer tree, are organized into the following sections:

- “JDBC Connector Settings” on page 41
- “Connection Retry Settings” on page 43

### JDBC Connector Settings

The **JDBC Connector Settings** section of the Outbound SQL Server Environment contains the top-level parameters displayed in the following table.

TABLE 41 Outbound Adapter Environment JDBC Connector Settings

Name	Description	
Description	Enter a description for the database.	A valid string. The default is <b>SQLServer</b> .
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. The default is 1433.
DatabaseName	Specifies the name of the database instance used on the Server.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	<p>The DataSource implementation may need to execute additional methods to assure a successful run. The additional methods will need to be identified in the Driver Properties.</p>	<p>The delimiter set by the user. For more information, see the Driver Properties section.</p> <p>Valid delimiters are:</p> <pre> "&lt;method-name-1&gt;#&lt;param-1&gt;#&lt;param-2&gt;#&lt;param-3&gt;#&lt;param-n&gt;##&lt;method-name-1&gt;#&lt;param-1&gt;#&lt;param-2&gt;#&lt;param-3&gt;#&lt;param-n&gt;##&lt;method-name-2&gt;#&lt;param-1&gt;#&lt;param-2&gt;#&lt;param-3&gt;#&lt;param-n&gt;##&lt;method-name-2&gt;#&lt;param-1&gt;#&lt;param-2&gt;#&lt;param-3&gt;#&lt;param-n&gt;##" </pre> <p>For example: to execute the method <code>setSpyAttribute</code> with the URL <code>http://www.oracle.com</code>, the delimiter is <code>#</code>, the prompt is <code>setSpyAttribute#&lt;url&gt;##</code>.</p> <p><b>Note</b> - The <code>setSpyAttributes</code> (for DataSource) method requires the last set of double octothorps [<code>##</code>] with the delimiter on every occasion.</p> <p>Optional—if you are using Spy Log:</p> <pre> "setURL#jdbc:Seebeyond:SQLServer:1433:##&lt;database&gt;##setSpyLog=(file)c:/temp/spy.log:logTName=yes" </pre>
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is <code>#</code> . See the Driver Properties section.
MinPoolSize	<p>Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.</p> <p>If the pool size is too small, you may experience longer connection times due to the existing number of physical connections.</p> <p>A connection that stays in the pool allows transactions to use it via a logical connection which is faster.</p>	A valid numeric value. The default is 0.

TABLE 41 Outbound Adapter Environment JDBC Connector Settings (Continued)

Name	Description	
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.  The pool size depends on the transaction volume and response time. If the pool size is too big, you may end up with too many connections with the database.	A valid numeric value. The def
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value.

## Connection Retry Settings

The **Connection Retry Settings** section of the Outbound SQL Server Environment contains the top-level parameters displayed in the following table.

TABLE 42 Outbound Adapter Environment Connection Retry Settings

Name	Description	
ConnectionRetries	Specifies the number of retries to establish a connection with the SQL Server database upon a failure to acquire one.	an integer connectio
ConnectionRetry Interval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database in 5 second intervals, a total of 10 times, when the Connection Retries property is set at 10 and the Connection Retry Interval property is 5000.	A valid nu

## Outbound SQL Server Non-Transactional Adapter Properties

The Outbound SQL Server Non-Transactional Adapter properties, accessed from the Environment Explorer tree, are organized into the following sections:

- [“JDBC Connector Settings” on page 43](#)
- [“Connection Retry Settings” on page 45](#)

### JDBC Connector Settings

The **JDBC Connector Settings** section of the Outbound SQL Server Non-Transactional Environment contains the top-level parameters displayed in the following table.



TABLE 43 Outbound Adapter Environment JDBC Connector Settings (Continued)

Name	Description	
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.  The pool size depends on the transaction volume and response time. If the pool size is too big, you may end up with too many connections with the database.	A valid numeric value. The default is
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value.

## Connection Retry Settings

The **Connection Retry Settings** section of the Outbound SQL Server Environment contains the top-level parameters displayed in the following table.

TABLE 44 Outbound Adapter Environment Connection Retry Settings

Name	Description
ConnectionRetries	Specifies the number of retries to establish a connection with the SQL Server database upon a failure to acquire
ConnectionRetry Interval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the Database in 5 second intervals, a total of 10 times, when the Connection Retries property is set at 10 and the Connection Retry Interval property is 5000.

## Outbound SQL Server XA Adapter Properties

The Outbound SQL Server XA Adapter properties, accessed from the Environment Explorer tree, are organized into the following sections:

- [“Outbound SQL Server XA Adapter Properties” on page 45](#)
- [“Connection Retry Settings \(with XA support\)” on page 47](#)

### JDBC Connector Settings (with XA support)

The **JDBC Connector Settings** section of the Outbound XA SQL Server Environment contains the top-level parameters displayed in the following table.

TABLE 45 Outbound SQL Server XA Adapter Environment JDBC Connector Settings

Name	Description	
Description	Enter a description for the database.	A valid string. The def
ServerName	Specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. T
DatabaseName	Specifies the name of the database instance used on the Server.	Any valid string.
User	Specifies the user name that the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	<p>The DataSource implementation may need to execute additional methods to assure a successful run. The additional methods will need to be identified in the Driver Properties.</p>	<p>The delimiter set by the below.</p> <p>Valid delimiters are:</p> <p>“&lt;method-name-1&gt;#                      .....&lt;param-n&gt;##&lt;1                      &lt;param-1&gt;#&lt;param-</p> <p>For example: to execute the URL “setSpyAttrib</p> <p><b>Note</b> – The setSpyAttrib following examples (b example), are used for</p> <p>Optional—if you are u</p> <p>“setURL#jdbc:Seebey                      DatabaseName=&lt;dat                      (file)c:/temp/spy.log;</p>
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #. See th how the default value i
MinPoolSize	<p>Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.</p> <p>If the pool size is too small, you may experience longer connection times due to the existing number of physical connections.</p> <p>A connection that stays in the pool allows transactions to use it via a logical connection which is faster.</p>	A valid numeric value.

TABLE 45 Outbound SQL Server XA Adapter Environment JDBC Connector Settings (Continued)

Name	Description	
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.  The pool size depends on the transaction volume and response time. If the pool size is too big, you may end up with too many connections with the database.	A valid numer
MaxIdleTime	The maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numer

## Connection Retry Settings (with XA support)

The **Connection Retry Settings** section of the Outbound SQL Server XA Environment contains the top-level parameters displayed in the following table.

TABLE 46 Outbound SQL Server XA Adapter Environment Connection Retry Settings

Name	Description	
ConnectionRetries	Specifies the number of retries to establish a connection with the SQL Server database upon a failure to acquire one.	an TH
ConnectionRetryInterval	Specifies the milliseconds of pause before each reattempt to access the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database in 5 second intervals, a total of 10 times, when the Connection Retries property is set at 10 and the Connection Retry Interval property is 5000.	A

# Configuring the Sybase Adapter Environment Properties

This task describes how to set the environment properties of the Sybase Adapter.

The Adapter Environment Configuration properties contain parameters that define how the adapter connects to and interacts with other Sun Enterprise Service Bus components within the Environment. When you create a new Sybase External System, you may configure the type of External System required.

Available External System properties include:

- “Inbound Sybase Adapter” on page 48
- “Outbound Sybase Adapter” on page 48
- “Outbound XA Sybase Adapter” on page 50
- “Outbound Sybase non-Transactional Adapter” on page 51

## Sybase Adapter External Properties

The Adapter External System consists of the following properties categories.

- “Inbound Sybase Adapter” on page 48
- “Outbound Sybase Adapter” on page 48
- “Outbound XA Sybase Adapter” on page 50
- “Outbound Sybase non-Transactional Adapter” on page 51

### Inbound Sybase Adapter

The Inbound Sybase Adapter includes the following configuration section:

- [Table 47](#)

Details for the Inbound Sybase Adapter Parameter Settings are listed in the following table.

**TABLE 47** Inbound Sybase Adapter—Parameter Settings

Name	Description	Required Value
Description	The description of the database.	A valid string.
ServerName	Specifies the host name of the external database server.	Any valid string. <b>Note</b> – The Sybase Adapter name.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number.
DatabaseName	Specifies the name of the database instance.	Any valid string.
User	Specifies the user name the adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.

### Outbound Sybase Adapter

The Outbound Sybase Adapter includes the following configuration sections:

- [Table 48](#)
- [Table 49](#)

### JDBC Connector Settings

The following Parameter Settings are used by the external database.

TABLE 48 Outbound Sybase Adapter—JDBC Connector Settings

Name	Description	Required Value
Description	The description of the database.	A valid string.
ServerName	This setting specifies the host name of the external database server.	Any valid string. <b>Note</b> – The Sybase
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number.
DatabaseName	Specifies the name of the database instance.	Any valid string.
User	Specifies the user name the adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	The DataSource implementation may need to execute additional methods to assure a successful run. The additional methods will need to be identified in the Driver Properties.	The delimiter separator. Valid delimiter characters are: <code>&lt;method-name&gt;</code> For example: to set the spy attribute: <code>setSpyAttribute</code> <b>Note</b> – The setSpyAttribute examples (between debugging purposes) Optional—if you want to set the URL: <code>setURL#jdbc</code>
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #. default value is #
MinPoolSize	Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.  If the pool size is too small, you may experience a longer connection time due to the existing number of physical connections.  A connection that stays in the pool allows transactions to use it via a logical connection which is faster.	A valid numerical value.
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.  The pool size you set depends on the transaction volume and response time of the application. If the pool size is too big, you may end up with too many connections with the database.	A valid numerical value.
MaxIdleTime	Specifies the maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numerical value.

## Connection Retry Settings

The following Parameter Settings are used by the external database.

**TABLE 49** Outbound Sybase Adapter—Connection Retry Settings

Name	Description
ConnectionRetries	Specifies the number of retries to establish a connection upon failure to acquire one.
ConnectionRetryInterval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the adapter cannot connect to the Database, the adapter will try to reconnect to database 10 times in 5 seconds intervals when the Connection Retries is 10 and the Connection Retry Interval 5000.

## Outbound XA Sybase Adapter

The Outbound XA Sybase Adapter includes the following configuration sections:

- [“JDBC Connector Settings” on page 50](#)
- [“Connection Retry Settings” on page 51](#)

## JDBC Connector Settings

The following Parameter Settings are used by the external database.

**TABLE 50** Outbound XA Sybase Adapter—JDBC Connector Settings

Name	Description	Required Value
Description	The description of the database.	Any valid string.
ServerName	Specifies the host name of the external database server.	Any valid string. <b>Note</b> – The Sybase
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number
DatabaseName	Specifies the name of the database instance.	Any valid string.
User	Specifies the user name the adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.

TABLE 50 Outbound XA Sybase Adapter—JDBC Connector Settings (Continued)

Name	Description	Required Value
DriverProperties	If you choose to not use the JDBC driver that is shipped with this adapter, you will need to add the driver's properties to the adapter. Often times the DataSource implementation will need to execute additional methods to assure a connection. The additional methods will need to be identified in the Driver Properties.	The delimiter character. Valid delimiters are: <code>&lt;method&gt;</code> For example: <code>&lt;setSpyAttributes&gt;</code> <b>Note</b> – The use of double quotes is not an option. Optional— <code>&lt;setURL#j</code>
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default delimiter character.
MinPoolSize	Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.	A valid number.
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.	A valid number.
MaxIdleTime	Specifies the number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid number.

## Connection Retry Settings

The following Parameter Settings are used by the external database.

TABLE 51 Outbound XA Sybase Adapter—Connection Retry Settings

Name	Description
ConnectionRetries	Specifies the number of retries to establish a connection upon failure to acquire one.
ConnectionRetryInterval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the ConnectionRetries' setting.  For example: In the event that the adapter cannot connect to the Database, the adapter will try to reconnect at 5000 milliseconds intervals when the Connection Retries is 10 and the Connection Retry Interval is 5000.

## Outbound Sybase non-Transactional Adapter

The Outbound Sybase non-Transactional Adapter includes the following configuration sections:

- [Table 52](#)
- [Table 53](#)

## JDBC Connector Settings

The following Parameter Settings are used by the external database.

**TABLE 52** Outbound Sybase non-Transactional Adapter—JDBC Connector Settings

Name	Description	Required Value
Description	The description of the database.	Any valid string.
ServerName	Specifies the host name of the external database server.	Any valid string. <b>Note</b> – The Sybase Ad
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number. <b>Note</b> – The default por
DatabaseName	Specifies the name of the database instance.	Any valid string.
User	Specifies the user name the adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	If you choose to not to use the JDBC driver that is shipped with this adapter, you will need to add the drivers properties to the adapter. Often times the DataSource implementation will need to execute additional methods to assure a connection. The additional methods will need to be identified in the Driver Properties.	The delimiter set by t Valid delimiters are: “<method-name-1> For example: to execu “setSpyAttribute#<u <b>Note</b> – The setSpyAttr examples (between th debugging purposes a Optional—if you are “setURL#jdbc:Seebe
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #.
MinPoolSize	Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.	A valid numeric valu
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.	A valid numeric valu
MaxIdleTime	Specifies the number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric valu

## Connection Retry Settings

The following Parameter Settings are used by the external database.

TABLE 53 Outbound Sybase non-Transactional Adapter Adapter—Connection Retry Settings

Name	Description
ConnectionRetries	Specifies the number of retries to establish a connection upon failure to acquire one.
ConnectionRetryInterval	Specifies the milliseconds of pause before each attempt to access the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the adapter cannot connect to the Database, the adapter will try to reconnect to the database 10 times in 5 seconds intervals when the Connection Retries is 10 and the Connection Retry Interval is 5000.

## Configuring JDBC/ODBC Adapter Environment Properties

This task describes how to set the environment properties of the JDBC/ODBC Adapter.

The Adapter Environment Configuration properties contain parameters that define how the adapter connects to and interacts with other Sun Enterprise Service Bus components within the Environment. When you create a new JDBC External System, you may configure the type of External System required.

Available External System properties include:

- “Inbound JDBC Adapter Properties” on page 54
- “Outbound JDBC Adapter Properties” on page 55
- “Outbound non-Transactional JDBC Adapter Properties” on page 57
- “Outbound XA JDBC Adapter Properties” on page 59

### ▼ To Configure the Environment Properties

- 1 In Enterprise Explorer, click the Environment Explorer tab.
- 2 Expand the Environment created for the JDBC Project and locate the JDBC External System.
- 3 Right-click the External System created for the JDBC Project and select Properties from the list box. The Environment Configuration Properties window appears.
- 4 Click on any folder to display the default configuration properties for that section.
- 5 Click on any property field to make it editable.

- 6 After modifying the configuration properties, click OK to save the changes.

## JDBC Adapter Environment Properties

Adapter External System properties must be configured from within the Environment. Until you have successfully configured all adapters for your Java CAPS project, your project cannot be properly executed. The following list identifies the JDBC Adapter properties. There are four adapter connection types that the JDBC/ODBC Adapter implements.

- “Inbound JDBC Adapter Properties” on page 54
- “Outbound JDBC Adapter Properties” on page 55
- “Outbound non-Transactional JDBC Adapter Properties” on page 57
- “Outbound XA JDBC Adapter Properties” on page 59

## Inbound JDBC Adapter Properties

Before deploying your adapter, you will need to set the Environment properties. The Inbound JDBC Adapter includes the following configuration section:

- [Table 54](#)

Details for the Inbound JDBC Adapter Parameter Settings are listed in the following table.

TABLE 54 Inbound JDBC Adapter—Parameter Settings

Name	Description	Required Value
Description	The description of the database.	A valid string.
ClassName	Displays the Java class in the JDBC driver that is used to implement the Driver Manager interface. Change this as needed for your driver.	A valid class name. See the JDBC/ODBC Drivers section for some of the popular drivers you can use with this adapter.
URL	This is the JDBC URL required to gain access to the database. The URL usually starts with <b>jdbc</b> ; followed by <subprotocol> and ends with information that identifies the data source, as follows:  jdbc:<driver>:<data-source-name>[;<attribute-name>=<attribute-value>]  If you do not select URL in the <b>connection method</b> this parameter is ignored. For more information on the JDBC URL, please consult the documentation of your specific driver.	The applicable JDBC URL. See the JDBC/ODBC Drivers section for some of the popular drivers you can use with this adapter.

TABLE 54 Inbound JDBC Adapter—Parameter Settings (Continued)

Name	Description	Required Value
User	Specifies the user name the adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.

## Outbound JDBC Adapter Properties

The Outbound JDBC Adapter includes the following configuration sections:

- “JDBC Connector Settings” on page 55
- “Connection Retry Settings” on page 57

### JDBC Connector Settings

Details for the JDBC Connector Settings used by the external database are detailed in the following table.

TABLE 55 Outbound JDBC Adapter—JDBC Connector Settings

Name	Description	Required Value
Description	The description of the database.	A valid string. The configured default is <b>JDBC Connection Pool DataSource</b> .
ClassName	Specifies the Java class in the JDBC driver that is used to implement the <b>ConnectionPoolDataSource</b> , <b>XADataSource</b> interface. Change as needed for your driver.	A valid class name. For example: com.ibm.as400.access.AS400JDBC ConnectionPoolDataSource See the JDBC/ODBC Drivers section for some of the popular drivers you can use with this adapter.
ClassNamefor OtherInterfaces	For components such as eTL that do not use <b>ConnectionPoolDataSource</b> , use this entry to enter the name of the driver class. This entry is not used by the JDBC Adapter.	A valid class name.
ServerName	This setting specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number.
DatabaseName	Specifies the name of the database instance.	Any valid string.

TABLE 55 Outbound JDBC Adapter—JDBC Connector Settings

*(Continued)*

Name	Description	Required Value
User	Specifies the user name the adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	The Connection Pool DataSource implementation may need to execute additional methods to assure a successful run. The additional methods will need to be identified in the Driver Properties. You must ensure that the driver is installed on both the app server machine and Java CAPS IDE.	Set the driver properties according to driver vendor's instruction. For example:  setDefTdpName#DBSQL##setWorkspace#Navigator##
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #.
DataSource name	Specifies the name of the <b>XADDataSource</b> or <b>ConnectionPoolDataSource</b> implementation, to which the DataSource object delegates behind the scenes when there is connection pooling or distributed transaction management being done.	The name of the <b>XADDataSource</b> or <b>ConnectionPoolDataSource</b> implementation.  This property is Optional, in most cases, leave this box empty.
MinPoolSize	Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.  The pool size you set depends on the transaction volume and response time of the application. If the pool size is too big, you may end up with too many connections with the database.	A valid numeric value. The default is <b>0</b> .
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.  If the pool size is too big, you may end up with too many connections with the database. The pool size depends on the transaction volume and response time.	A valid numeric value. The default is <b>10</b> .
MaxIdleTime	Specifies the maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The default is <b>0</b> .

## Connection Retry Settings

Details for the Connection Retry Settings used by the external database are detailed in the following table.

TABLE 56 Outbound JDBC Adapter—Connection Retry Settings

Name	Description	Required Value
ConnectionRetries	Specifies the number of retries to establish a connection upon failure to acquire one.	A valid numeric value. The default is <b>0</b> .
ConnectionRetryInterval	Specifies the milliseconds of pause before each attempt to reaccess the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the adapter cannot connect to the Database, the adapter will try to reconnect to the database 10 times in 5 seconds apart when the Connection Retries is 10 and the Connection Retry Interval is 5000	A valid numeric value. The default is <b>1000</b> .

## Outbound non-Transactional JDBC Adapter Properties

The Outbound non-Transactional JDBC Adapter includes the following configuration sections:

- “JDBC Connector Settings” on page 57
- “Connection Retry Settings” on page 59

### JDBC Connector Settings

Details for the JDBC Connector Settings used by the external database are detailed in the following table.

TABLE 57 Outbound non-Transactional Adapter— JDBC Connector Settings

Name	Description	Required Value
Description	The description of the database.	A valid string. The configured default is <b>JDBC non-Transactional Connection Pool DataSource</b> .
ClassName	Specifies the Java class in the JDBC driver that is used to implement the <b>ConnectionPoolDataSource/XADataSource</b> interface. Change as needed for your driver.	A valid class name. For example: <b>com.ddtek.jdbcx.sequelink.SequelinkData</b>

TABLE 57 Outbound non-Transactional Adapter— JDBC Connector Settings (Continued)

Name	Description	Required Value
ClassNamefor OtherInterfaces	For components that do not use <b>ConnectionPoolDataSource</b> , use this entry to enter the name of the driver class. This class will not be used by the adapter.	A valid class name.
ServerName	This setting specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number.
DatabaseName	Specifies the name of the database instance.	Any valid string.
User	Specifies the user name the adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	The Connection Pool DataSource implementation may need to execute additional methods to assure a successful run. The additional methods will need to be identified in the Driver Properties. You must ensure that the driver is installed on both the app server machine and Java CAPS IDE.	Set the driver properties according to driver vendor's instruction. For example: setDefTdpName#DBSQL##set Workspace#Navigator##
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #.
DataSource name	Specifies the name of the <b>XADDataSource</b> or <b>ConnectionPoolDataSource</b> implementation, to which the DataSource object delegates behind the scenes when there is connection pooling or distributed transaction management being done.	The name of the <b>XADDataSource</b> or <b>ConnectionPoolDataSource</b> implementation. This property is Optional. In most cases, leave this box empty.
MinPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.  The pool size you set depends on the transaction volume and response time of the application. If the pool size is too big, you may end up with too many connections with the database.	A valid numeric value. The default is 0.

TABLE 57 Outbound non-Transactional Adapter— JDBC Connector Settings *(Continued)*

Name	Description	Required Value
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.  If the pool size is too big, you may end up with too many connections with the database. The pool size depends on the transaction volume and response time.	A valid numeric value. The default is <b>10</b> .
MaxIdleTime	Specifies the maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The default is <b>0</b> .

## Connection Retry Settings

Details for the Connection Retry Settings used by the external database are detailed in the following table.

TABLE 58 Outbound non-Transactional Adapter—Connection Retry Settings

Name	Description	Required Value
ConnectionRetries	Specifies the number of retries to establish a connection upon failure to acquire one.	A valid numeric value. The default is <b>0</b> .
ConnectionRetryInterval	Specifies the milliseconds of pause before each attempt to reaccess the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the adapter cannot connect to the Database, the adapter will try to reconnect to the database 10 times in 5 seconds apart when the Connection Retries is 10 and the Connection Retry Interval is 5000	A valid numeric value. The default is <b>1000</b> .

## Outbound XA JDBC Adapter Properties

The Outbound XA JDBC Adapter includes the following configuration sections:

- [“JDBC Connector Settings” on page 59](#)
- [“Connection Retry Settings” on page 61](#)

### JDBC Connector Settings

Details for the JDBC Connector Settings used by the external database are detailed in the following table.

TABLE 59 Outbound XA JDBC Adapter—JDBC Connector Settings

Name	Description	Required Value
Description	The description of the database.	A valid string. The configured default is <b>JDBC XA Datasource</b> .
ClassName	Specifies the Java class in the JDBC driver that is used to implement the <b>ConnectionPoolDataSource</b> or <b>XADataSource</b> interface. Change as needed for your driver.	A valid class name. For example: com.attunity.jdbc.NvXADataSource
ClassNamefor OtherInterfaces	For components that do not use <b>ConnectionPoolDataSource</b> , use this entry to enter the name of the driver class. This class will not be used by the adapter.	A valid class name.
ServerName	This setting specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number.
DatabaseName	Specifies the name of the database instance.	Any valid string.
User	Specifies the user name the adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	The DataSource implementation may need to execute additional methods to assure a successful run. The additional methods will need to be identified in the Driver Properties. You must ensure that the driver is installed on both the app server machine and Java CAPS IDE.	Set the driver properties according to driver vendor's instruction. For example: setDefTdpName#DBSQL## setWorkspace#Navigator##
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #.
DataSource name	Specifies the name of the <b>XADataSource</b> implementation, to which the DataSource object delegates behind the scenes when there is connection pooling or distributed transaction management being done.	The name of the <b>XADataSource</b> implementation. This property is Optional. In most cases, leave this box empty.

TABLE 59 Outbound XA JDBC Adapter—JDBC Connector Settings (Continued)

Name	Description	Required Value
MinPoolSize	<p>Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.</p> <p>The pool size you set depends on the transaction volume and response time of the application. If the pool size is too big, you may end up with too many connections with the database.</p>	A valid numeric value. The default is <b>0</b> .
MaxPoolSize	<p>Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.</p> <p>If the pool size is too big, you may end up with too many connections with the database. The pool size depends on the transaction volume and response time.</p>	A valid numeric value. The default is <b>10</b> .
MaxIdleTime	Specifies the maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The default is <b>0</b> .

## Connection Retry Settings

Details for the Connection Retry Settings used by the external database are detailed in the following table.

TABLE 60 Outbound XA JDBC Adapter—Connection Retry Settings

Name	Description	Required Value
ConnectionRetries	Specifies the number of retries to establish a connection upon failure to acquire one.	A valid numeric value. The default is <b>0</b> .
ConnectionRetryInterval	<p>Specifies the milliseconds of pause before each attempt to reaccess the database. This setting is used in conjunction with the 'Connection Retries' setting.</p> <p>For example: In the event that the adapter cannot connect to the Database, the adapter will try to reconnect to the database 10 times in 5 seconds apart when the Connection Retries is 10 and the Connection Retry Interval is 5000</p>	A valid numeric value. The default is <b>1000</b> .

## Configuring VSAM Adapter Environment Properties

Adapter External System properties must be configured from within the Environment. Until you have successfully configured all Adapters for your Java CAPS project, your project cannot be properly executed or deployed. The following list identifies the VSAM Adapter properties. There are two Environment Configuration categories that the VSAM Adapter implements.

- “Inbound VSAM Adapter Properties” on page 62
- “Outbound VSAM CP Adapter Properties” on page 62
- “Outbound VSAM non-Transactional Adapter Properties” on page 64

### Inbound VSAM Adapter Properties

Before deploying your Adapter, you will need to set the Environment properties. The Inbound VSAM Adapter includes the following configuration section:

- [Table 61](#)

Details for the Inbound VSAM Adapter Parameter Settings are listed in the following table.

**TABLE 61** Inbound VSAM Adapter—Parameter Settings

Name	Description	
Description	The description of the database.	A valid string
ServerName	This setting specifies the host name of the external database server.	Any valid string
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number
DatabaseName	Specifies the name of the database instance. This parameter is configured in conjunction with the Data Catalogue name you created in WebSphere Classic Federation’s Data Mapper.	Any valid string
User	Specifies the user name the Adapter uses to connect to the database.	Any valid string
Password	Specifies the password used to access the database.	Any valid string

### Outbound VSAM CP Adapter Properties

The Outbound VSAM CP Adapter includes the following configuration sections:

- “JDBC Connector Settings” on page 62
- “Connection Retry Settings” on page 64

#### JDBC Connector Settings

Details for the VSAM CP Adapter JDBC Connector Settings used by the external database are detailed in the following table.

TABLE 62 VSAM CP Adapter—JDBC Connector Settings

Name	Description	
Description	The description of the database.	A valid string. The configure
ServerName	This setting specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number.
DatabaseName	Specifies the name of the database instance.	Any valid string.
User	Specifies the user name the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	The Connection Pool DataSource implementation may need to execute additional methods to assure a successful run. The additional methods will need to be identified in the Driver Properties. You must ensure that the driver is installed on both the app server machine and Java CAPS IDE.	<p>The delimiter set by the user.</p> <p>Valid delimiters are:</p> <p>“&lt;method-name-1&gt;#&lt;param-1&gt;#...&lt;param-n&gt;##&lt;method-name-2&gt;#&lt;param-2&gt;#.....&lt;param-n&gt;##”</p> <p>For example: to execute the method setSpyAttribute#&lt;url&gt;##”.</p> <p><b>Note</b> - The setSpyAttributes (setSpyAttributes) method is called on every occasion.</p> <p>Optional—if you are using Sp</p> <p>“setURL#jdbc:Seebeyond:V</p> <p><b>DatabaseName=&lt;database&gt;</b></p> <p><b>#log=(file)c:/temp/spy.log;l</b></p>
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #. See the Drive
MinPoolSize	<p>Specifies the minimum number of physical connections the pool should keep available at all times. <b>0</b> (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.</p> <p>If the pool size is too small, you may experience a longer connection time due to the existing number of physical connections.</p> <p>A connection that stays in the pool allows transactions to use it via a logical connection (which is faster).</p>	A valid numeric value. The d

TABLE 62 VSAM CP Adapter—JDBC Connector Settings (Continued)

Name	Description	
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.  If the pool size is too big, you may end up with too many connections with the database. The pool size depends on the transaction volume and response time.	A valid numeric value. The default is
MaxIdleTime	Specifies the maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The default is

## Connection Retry Settings

Details for the VSAM CP Adapter Connection Retry Settings used by the external database are detailed in the following table.

TABLE 63 VSAM CP Adapter—Connection Retry Settings

Name	Description
ConnectionRetries	Specifies the number of retries to establish a connection upon failure to acquire one.
ConnectionRetryInterval	Specifies the milliseconds of pause before each attempt to reaccess the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database 10 times in 5 seconds apart when the Connection Retries is 10 and the Connection Retry Interval is 5000.

## Outbound VSAM non-Transactional Adapter Properties

The Outbound VSAM non-Transactional Adapter includes the following configuration sections:

- [“JDBC Connector Settings” on page 64](#)
- [“Connection Retry Settings” on page 66](#)

## JDBC Connector Settings

Details for the VSAM non-Transactional Adapter JDBC Connector Settings used by the external database are detailed in the following table.

TABLE 64 VSAM non-Transactional Adapter—JDBC Connector Settings

Name	Description	
Description	The description of the database.	A valid string. The configuration
ServerName	This setting specifies the host name of the external database server.	Any valid string.
PortNumber	Specifies the I/O port number on which the server is listening for connection requests.	A valid port number.
DatabaseName	Specifies the name of the database instance.	Any valid string.
User	Specifies the user name the Adapter uses to connect to the database.	Any valid string.
Password	Specifies the password used to access the database.	Any valid string.
DriverProperties	<p>The Connection Pool DataSource implementation may need to execute additional methods to assure a successful run. The additional methods will need to be identified in the Driver Properties. You must ensure that the driver is installed on both the app server machine and Java CAPS IDE.</p>	<p>The delimiter set by the user. Valid delimiters are:</p> <p>“&lt;method-name-1&gt;#&lt;parameter-1&gt;#&lt;method-name-2&gt;#&lt;parameter-2&gt;#&lt;method-name-n&gt;#&lt;parameter-n&gt;#”</p> <p>For example: to execute the setSpyAttribute method, the delimiter is “setSpyAttribute#&lt;url&gt;#”.  <b>Note</b> – The setSpyAttribute method is used for debugging purposes and need not be used in production.  Optional—if you are using the setURL method, the delimiter is “setURL#jdbc:See beyond the horizon.  <b>DatabaseName</b>=&lt;database name&gt;  <b>log</b>=(file)c:/temp/spy.log”</p>
Delimiter	This is the delimiter character to be used in the DriverProperties prompt.	The default is #. See the DriverProperties value is used.
MinPoolSize	<p>Specifies the minimum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there should be no physical connections in the pool and the new connections should be created as needed.</p> <p>If the pool size is too small, you may experience a longer connection time due to the existing number of physical connections.</p> <p>A connection that stays in the pool allows transactions to use it via a logical connection (which is faster).</p>	A valid numeric value. The

TABLE 64 VSAM non-Transactional Adapter—JDBC Connector Settings (Continued)

Name	Description	
MaxPoolSize	Specifies the maximum number of physical connections the pool should keep available at all times. 0 (zero) indicates that there is no maximum.  If the pool size is too big, you may end up with too many connections with the database. The pool size depends on the transaction volume and response time.	A valid numeric value. The default
MaxIdleTime	Specifies the maximum number of seconds that a physical connection may remain unused before it is closed. 0 (zero) indicates that there is no limit.	A valid numeric value. The default

## Connection Retry Settings

Details for the VSAM non-Transactional Adapter Connection Retry Settings used by the external database are detailed in the following table.

TABLE 65 VSAM non-Transactional Adapter—Connection Retry Settings

Name	Description	
ConnectionRetries	Specifies the number of retries to establish a connection upon failure to acquire one.	A
ConnectionRetryInterval	Specifies the milliseconds of pause before each attempt to reaccess the database. This setting is used in conjunction with the 'Connection Retries' setting.  For example: In the event that the Adapter cannot connect to the Database, the Adapter will try to reconnect to the database 10 times in 5 seconds apart when the Connection Retries is 10 and the Connection Retry Interval is 5000.	A