

InfoSphere Information Server  
Version 11 Release 3

*IBM InfoSphere Information Server  
JDBC Connector Message Reference*





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**Note**

Before using this information and the product that it supports, read the information in “Notices and trademarks” on page 25.

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## JDBC connector messages

This message reference includes the messages that are returned by the JDBC connector.

You must be familiar with the functions of the operating system where the JDBC connector is installed. You can use the information in this message reference to identify an error or warning and resolve the problem by using the appropriate recovery action. You can also use this information to understand where the messages are generated and logged.

The connector generates messages reported by the JDBC driver as well as messages that it generates internally in relation to the environment configuration and general connector usage.

Each message has a message identifier that consists of a prefix (IIS) and a message number. Messages are listed in numeric sequence based upon the message number. There are three message types: Error, Warning, and Informational. Message identifiers ending with an E are error messages. Those ending with a W indicate warning. Messages ending in an I indicates informational messages.

You can view complete error details in the log file in the IBM® InfoSphere™ DataStage® and QualityStage™ Director client.

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**IIS-CONN-JDBC-00001E The connector failed to connect to the data source. The reported error is:** *error\_text*

**Explanation:** The connector did not connect to the data source that is specified in the URL.

**User response:** Ensure that the data source is available and that the format of the URL is correct. For more information, see the full error text *error\_text*.

---

**IIS-CONN-JDBC-00002E The connector failed to prepare the specified connection attributes. The reported error is:** *error\_info*

**Explanation:** The connector attempted to prepare connection attributes before establishing the connection to the data source, but the operation failed.

**User response:** Ensure that the attributes are specified in name=value format. Refer to the error description *error\_info* for more details.

---

**IIS-CONN-JDBC-00003E The connection URL string value is missing.**

**Explanation:** The URL value was not provided, and so the connector is not able to establish a connection to the data source.

**User response:** Specify a URL value. If a job parameter is used for the URL property value, ensure

that the job parameter is not empty when the job is started.

---

**IIS-CONN-JDBC-00004E The connector failed to locate a suitable driver for the specified URL value.**

**Explanation:** The connector failed to find a suitable driver for the specified URL value among the currently loaded and registered drivers.

**User response:** Ensure that the following requirements are met:

- The driver class path and driver class name information is specified in the driver configuration file.
- The URL value has the valid syntax.

---

**IIS-CONN-JDBC-00005E The connector failed to initialize the class loader for the specified classpath: *classpath*. The error is:** *error\_info*

**Explanation:** The connector tried to initialize a class loader object based on the specified classpath value so that it could use it to load the driver, but this operation failed.

**User response:** Ensure that the following requirements are met:

- The classpath value is valid.

- All entries in the classpath are valid entries and are separated by a semicolon character.

---

**IIS-CONN-JDBC-00006E** The connector entered an invalid execution state.

**Explanation:** The connector entered an invalid internal execution state and must stop the program execution.

**User response:** Gather the logs for the component where this message is shown, and contact IBM Software Support.

For information about the specific logs and information that you must collect before you contact IBM Software Support, see the troubleshooting topics in the InfoSphere Information Server Information Center.

---

**IIS-CONN-JDBC-00007E** The program variable *variable\_name* has a null value, which is not valid in the current context.

**Explanation:** The connector encountered a null value for the *variable\_name* variable, which is not valid in the current execution state.

**User response:** Gather the logs for the component where this message is shown, and contact IBM Software Support.

For information about the specific logs and information that you must collect before you contact IBM Software Support, see the troubleshooting topics in the InfoSphere Information Server Information Center.

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**IIS-CONN-JDBC-00008E** The program variable *variable\_name* has the value *variable\_value* which is not valid in the current context.

**Explanation:** The connector encountered the *variable\_value* value for the *variable\_name* variable, which is not valid in the current code execution context.

**User response:** Gather the logs for the component where this message is shown, and contact IBM Software Support.

For information about the specific logs and information that you must collect before you contact IBM Software Support, see the troubleshooting topics in the InfoSphere Information Server Information Center.

---

**IIS-CONN-JDBC-00009E** The connector failed to execute the statement: *statement\_text*. The reported errors are: *error\_info*.

**Explanation:** The connector requested the driver to execute the specified statement. The operation failed, and the driver reported one or more errors.

**User response:** If you specified the statement text, ensure that the statement syntax is valid for your data source. For more information, see the documentation

for your driver and data source.

---

**IIS-CONN-JDBC-00010E** The column *column\_name* on the link is not referenced by any of the statements performed by the stage.

**Explanation:** The connector encountered the specified column in the schema for the link, but the connector cannot find a matching parameter in any of the statements that the stage is configured to perform.

**User response:** Perform one of the following actions:

- Ensure that the specified column on the link is referenced by the statements performed by the stage.
- Remove the column from the link.

---

**IIS-CONN-JDBC-00011E** The connector received an error from the driver. The reported error is: *error\_info*.

**Explanation:** The connector invoked a method on the driver that was expected to complete successfully, but the method failed. The connector cannot handle this error or proceed.

**User response:** Ensure that the driver is installed and configured correctly. For more information, see the documentation for your driver and data source.

---

**IIS-CONN-JDBC-00012E** The connector failed to access the specified file: *file\_path*. The reported error is: *error\_info*

**Explanation:** The connector tried to access the specified file in order to retrieve its content, but the operation failed.

**User response:** Ensure that the specified file exists and that it has read access enabled. For more information, see the full error text: *error\_info*.

---

**IIS-CONN-JDBC-00013E** The specified file: *file\_path* must contain a single statement but is either empty or contains multiple statements.

**Explanation:** The connector tried to access the specified file and it determined that the file does not contain a single statement. A single statement must be present in the file.

**User response:** Ensure that the specified file contains a single statement.

---

**IIS-CONN-JDBC-00014E** The connector failed to set the specified isolation level: *isolation\_level*. The reported error is: *error\_info*

**Explanation:** The connector tried to set the specified transaction isolation level for the connection to the data

source. The operation failed, and the driver reported an error.

**User response:** Specify an isolation level that is supported by your driver. To determine which transaction isolation levels are supported, see the documentation for your driver.

---

**IIS-CONN-JDBC-00015E The connector failed to commit the current transaction. The reported error is: *error\_info***

**Explanation:** When the connector tried to commit the current transaction, the operation failed, and the driver reported an error.

**User response:** Ensure that the driver supports transactions and that you specified a supported isolation level for the stage. For more information, see the full error text.

---

**IIS-CONN-JDBC-00016E The connector failed to roll back the current transaction. The reported error is: *error\_info***

**Explanation:** When the connector tried to roll back the current transaction, the operation failed, and the driver reported an error.

---

**IIS-CONN-JDBC-00017E The driver configuration file *file\_name* could not be found. This file is a prerequisite for the use of the connector. Refer to the connector documentation for instructions about how to create and configure this file.**

**Explanation:** The connector failed to locate the driver configuration file.

**User response:** The driver configuration file is required by the connector. The driver configuration file stores class path and class name information for the drivers on the system. For instructions on how to create and set up the driver configuration file, see the connector documentation.

---

**IIS-CONN-JDBC-00018E The connector failed to access the driver configuration file *file\_name*. The reported error is: *error\_info***

**Explanation:** The connector successfully located the driver configuration file but was not able to open it and retrieve its content.

**User response:** Ensure that the driver configuration file has valid structure and that it has enabled read access permissions.

---

**IIS-CONN-JDBC-00019E The connector failed to add missing columns to the output link. The reported error is: *error\_info***

**Explanation:** The connector was configured to add missing columns to the output link using the runtime column propagation feature. The operation failed and the columns could not be added.

**User response:** Ensure that the specified table name or statement is valid and points to the existing objects in the data source. For more information, see the full error text: *error\_info*.

---

**IIS-CONN-JDBC-00020E The specified character set name *charset* is not supported. The reported error is: *error\_info***

**Explanation:** The specified character set name for the non-Unicode character is not valid. The connector will not be able to perform character data conversions between non-Unicode and Unicode characters.

**User response:** Ensure that the specified character set name is valid by select the value from the list of supported character set names or by selecting the default character set option. For more information, see the full error text: *error\_info*.

---

**IIS-CONN-JDBC-00021E The connector detected character set conversion error for the non-Unicode link column *column\_name*. The fetched value could not be converted to character set *charset*. The reported error is: *error\_info***

**Explanation:** The connector fetched a value for the specified link column and tried to convert it from Unicode character set to character set *charset* specified for the non-Unicode columns on the link. The conversion failed.

**User response:** Ensure that the specified character set is a valid character set and that it can represent all characters that can be present in the fetched values for column *column\_name*.

---

**IIS-CONN-JDBC-00022E The connector detected character data truncation for the link column *column\_name*. The length of the value is *value\_length* and the length of the column is *column\_length*.**

**Explanation:** The connector received a value for the specified link column and determined that the value length is larger than the maximum length of the link column. The connector reported the error to indicate that the data truncation took place.

**User response:** Ensure that the column length is sufficiently large to accommodate the largest value for that column. When using non-Unicode columns on the link note that the values are converted to the specified

character set for non-Unicode columns. In that case the length of the converted value must not exceed the length of the link column.

---

**IIS-CONN-JDBC-00023E** The connector detected decimal data truncation for the link column *column\_name*. The precision and the scale of the fetched value are *value\_precision* and *value\_scale* and the precision and the scale in the link column definition are *column\_precision* and *column\_scale*.

**Explanation:** The connector fetched a value for the specified link column and determined that the value precision and scale are larger than the precision and scale of the link column. The connector reported the error to indicate that the data truncation took place.

**User response:** Ensure that the column precision and scale are sufficiently large to accommodate the largest value for that column.

---

**IIS-CONN-JDBC-00024E** The specified file *file\_path* must contain a statement but is empty.

**Explanation:** The connector tried to access the specified file and it determined that the file does not contain any statements. At least one statement must be present in the file.

**User response:** Ensure that the specified file contains at least one statement.

---

**IIS-CONN-JDBC-00025E** The following **Before SQL statement failed:** *statement\_text*. The reported error is: *error\_info*.

**Explanation:** The connector requested the driver to execute the specified **Before SQL statement**. The operation failed, and the driver reported an error.

**User response:** Ensure that the statement syntax is valid for your data source. For more information, see the documentation for your driver and data source.

---

**IIS-CONN-JDBC-00026E** The following **Before SQL (node) statement failed:** *statement\_text*. The reported error is: *error\_info*.

**Explanation:** The connector requested the driver to execute the specified **Before SQL (node) statement**. The operation failed, and the driver reported an error.

**User response:** Ensure that the statement syntax is valid for your data source. For more information, see the documentation for your driver and data source.

---

**IIS-CONN-JDBC-00027E** The following **After SQL (node) statement failed:** *statement\_text*. The reported error is: *error\_info*.

**Explanation:** The connector requested the driver to execute the specified **After SQL (node) statement**. The operation failed, and the driver reported an error.

**User response:** Ensure that the statement syntax is valid for your data source. For more information, see the documentation for your driver and data source.

---

**IIS-CONN-JDBC-00028E** The following **After SQL statement failed:** *statement\_text*. The reported error is: *error\_info*.

**Explanation:** The connector requested the driver to execute the specified **After SQL statement**. The operation failed, and the driver reported an error.

**User response:** Ensure that the statement syntax is valid for your data source. For more information, see the documentation for your driver and data source.

---

**IIS-CONN-JDBC-00029E** The connector requested that the driver set the transaction isolation level to *requested\_level*, but the driver responded that the isolation level is set to *actual\_level*.

**Explanation:** The connector requested that the driver set the isolation level to *requested\_level* and then queried the driver to determine the actual isolation level. The driver responded that the isolation level is *actual\_level*.

**User response:** Specify an isolation level that is supported by your driver, or specify the default isolation level option. For information about the transaction isolation levels that are supported, see the documentation for your driver.

---

**IIS-CONN-JDBC-00030E** The following **table action statement failed:** *statement\_text*. The reported error is *error\_info*.

**Explanation:** The specified SQL statement failed.

**User response:** Complete one or more of the following steps:

- Check the syntax of the specified statement, and look for any errors in the statement.
- Check the log file for other messages that might contain more information about the error.

---

**IIS-CONN-JDBC-00031E** The connector failed to prepare the statement: *statement\_text*. The reported error is: *error\_info*.

**Explanation:** The connector requested the driver to prepare the specified statement. The operation failed, and the driver reported an error.

**User response:** If you specified the statement text, ensure that the statement syntax is valid for your data source. For more information, see the documentation for your driver and data source.

---

**IIS-CONN-JDBC-00032E** The bind parameter *parameter\_name* does not have a matching column on the input link.

**Explanation:** The connector encountered the specified bind parameter in one of the specified statements, but the connector cannot find a matching column on the input link.

**User response:** Perform the following actions:

- Locate the statements that reference bind parameter *parameter\_name*.
- Ensure that the input link contains a column with the same name as the bind parameter, or remove the bind parameter from the statements.

---

**IIS-CONN-JDBC-00033E** The connector detected character set conversion error for the non-Unicode link column *column\_name*. The link column value could not be converted from *charset* character set to Unicode string. The reported error is: *error\_info*

**Explanation:** The connector tried to convert the value of the specified input link column from the character set *charset* to the Unicode character set. The conversion failed.

**User response:** Ensure that the specified character set is one of the supported character sets and that the input value is encoded in that character set.

---

**IIS-CONN-JDBC-00034E** The program argument *argument\_name* of the method *class\_name.method\_name* has a null value, which is not valid in the current context.

**Explanation:** The connector encountered a null value for the argument *argument\_name* of the method *class\_name.method\_name*, which is not valid in the current execution state.

**User response:** Gather the logs for the component where this message is shown, and contact IBM Software Support.

For information about the specific logs and information that you must collect before you contact IBM Software Support, see the troubleshooting topics in the InfoSphere Information Server Information Center.

---

**IIS-CONN-JDBC-00035E** The program argument *argument\_name* of the method *class\_name.method\_name* has the value *argument\_value* which is not valid in the current context.

**Explanation:** The connector encountered the value *argument\_value* for the argument *argument\_name* of the method *class\_name.method\_name*, which is not valid in the current code execution context.

**User response:** Gather the logs for the component where this message is shown, and contact IBM Software Support.

For information about the specific logs and information that you must collect before you contact IBM Software Support, see the troubleshooting topics in the InfoSphere Information Server Information Center.

---

**IIS-CONN-JDBC-00036E** The number of question mark characters that represent bind parameters in the statement exceeded the number of input link columns, which is *link\_column\_count*.

**Explanation:** The connector detected that the specified statement contains more bind parameters (question mark characters) than there are columns on the input link. The connector reported an error because each question mark bind parameter must be associated with a unique input link column.

**User response:** Ensure that the number of bind parameters represented by question mark characters in the statement does not exceed the number of columns on the input link.

---

**IIS-CONN-JDBC-00037E** The connector detected binary data truncation for the link column *column\_name*. The length of the value is *value\_length* and the length of the column is *column\_length*.

**Explanation:** The connector received a value for the specified link column and determined that the value length is larger than the maximum length of the link column. The connector reported the error to indicate that the data truncation took place.

**User response:** Ensure that the column length is sufficiently large to accommodate the largest value for that column.

---

**IIS-CONN-JDBC-00038E** The connector failed to generate the *statement\_type* statement because the link does not contain any key columns.

**Explanation:** When the connector is configured to generate UPDATE, DELETE or sparse lookup SELECT statement it requires at least one column on the link to be marked as a key column. The connector uses the key

columns to produce the WHERE clause of the statement.

**User response:** Ensure that at least one column on the link is marked as a key column.

---

**IIS-CONN-JDBC-00039E** The connector encountered an internal error while executing bulk metadata import. The reported error is: *error\_info*

**Explanation:** While executing a bulk metadata import operation, the connector encountered an expected error and must stop execution.

**User response:** Gather the logs for the component where this message is shown, and contact IBM Software Support.

For information about the specific logs and information that you must collect before you contact IBM Software Support, see the troubleshooting topics in the InfoSphere Information Server Information Center.

---

**IIS-CONN-JDBC-00040E** The key column *column\_name* from the reference link is not present on the input link.

**Explanation:** While generating the SELECT statement for the sparse lookup operation, the connector encountered the key column *column\_name* on the reference link but could not locate the corresponding column with the same name on the input link.

In parallel jobs the input link is connected to the Lookup stage. The reference link key columns represent bind parameters in the generated WHERE clause of the statement and must have corresponding columns on the input link so that the bind parameters can be initialized with input key values.

**User response:** Ensure that the key columns on the reference link have matching columns defined on the input link.

---

**IIS-CONN-JDBC-00041E** The connector could not generate the SELECT statement for the view data operation because a table name is not specified.

**Explanation:** When the connector tried to generate a SELECT statement for the view data operation, a table name was not found in the **Table name** property.

**User response:** Ensure that a table is specified in the **Table name** property.

---

**IIS-CONN-JDBC-00042E** The connector could not complete the view data operation because a Select statement is not specified.

**Explanation:** When the connector tried to execute the

user defined SELECT statement for the view data operation, a statement was not found in the **Select statement** property.

**User response:** Ensure that a valid statement is specified in the **Select statement** property.

---

**IIS-CONN-JDBC-00043E** The following Begin SQL statement failed: *statement\_text*. The reported error is: *error\_info*.

**Explanation:** The connector requested the driver to execute the specified **Begin SQL statement**. The operation failed, and the driver reported an error.

**User response:** Ensure that the statement syntax is valid for your data source. For more information, see the documentation for your driver and data source.

---

**IIS-CONN-JDBC-00044E** The following End SQL statement failed: *statement\_text*. The reported error is: *error\_info*.

**Explanation:** The connector requested the driver to execute the specified **End SQL statement**. The operation failed, and the driver reported an error.

**User response:** Ensure that the statement syntax is valid for your data source. For more information, see the documentation for your driver and data source.

---

**IIS-CONN-JDBC-20001W** The connector failed to disconnect from the data source. The reported error is: *error\_info*.

**Explanation:** The connector tried to close the connection to the data source but the operation failed.

**User response:** Inspect the error that was reported, and consult your driver documentation to understand the nature of the problem and whether any corrective action is necessary.

---

**IIS-CONN-JDBC-20002W** The link column *column\_name* is defined as *ds\_data\_type* and the respective column in the JDBC data source is defined as *jdbc\_data\_type*. To match the data source column definition the link column should be defined as *preferred\_ds\_data\_type*.

**Explanation:** The connector performed checking for the schema column definitions where it compared the design schema column (on the link) with the external schema column (in the data source). It detected that the currently specified definition for the link column *column\_name* is not the optimal one.

**User response:** Change the data type of the indicated link column as indicated in the message to resolve the mismatch. You may also choose to ignore the warning if the driver supports providing the value in the format implied by the link column data type. To remove the

warning without making changes to the column definitions on the link, disable the schema mismatch reporting option in the connector properties for the link.

---

**IIS-CONN-JDBC-20003W** The column *column\_name* in the data source result set does not have a matching column in the output link schema for the connector.

**Explanation:** This message is a notification that the statement specified for the stage includes columns for which there are no corresponding columns on the output link.

**User response:** No action is required however the performance is negatively affected due to fetching of column values from the data source that are not provided on the output link. To resolve the mismatch either remove the column reference from the statement or add the corresponding column to the output link.

---

**IIS-CONN-JDBC-30001I** The connector loaded the driver class: *driver\_class*

**Explanation:** The connector loaded and instantiated the *driver\_class* Java class, which represents the JDBC driver that the connector will use to communicate to the data source.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30002I** The driver version is: *major\_version.minor\_version*

**Explanation:** The connector has queried the driver and obtained the major and minor version of the driver.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30003I** The connector established connection to the data source.

**Explanation:** The connector established a connection to the JDBC data source that is specified by the connection URL value.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30004I** The connector encountered a Java exception: *stack\_trace*

**Explanation:** The connector has caught a Java exception and *stack\_trace* contains the stack trace of the exception. This message typically means that the connector is not able to continue and it is typically followed by an error message.

**User response:** Inspect the error reported in the stack trace. If the connector continued to run after the message, consult your driver documentation to understand the nature of the problem that was reported and whether you need to take action. If an error

message is displayed after this message, perform the action applicable to that error message.

---

**IIS-CONN-JDBC-30005I** The connector could not obtain the driver meta data information. The reported error is: *error\_info*.

**Explanation:** When the connector queried the driver to obtain the metadata, an error occurred. The connector is not able to log the driver metadata.

**User response:** Inspect the error that was reported, and consult your driver documentation to understand the nature of the problem and whether corrective action is necessary.

---

**IIS-CONN-JDBC-30006I** The connector could not obtain the data source metadata information. The reported error is: *error\_info*.

**Explanation:** When the connector queried the data source to obtain metadata, and error occurred. The connector cannot log the data source metadata.

**User response:** Inspect the error that was reported, and consult your driver documentation to understand the nature of the problem and whether any corrective action is necessary.

---

**IIS-CONN-JDBC-30007I** The driver name and version are: *driver\_name driver\_version*

**Explanation:** The connector queried the database metadata and obtained the name and version of the associated driver.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30008I** The data source name and version are: *data\_source\_name data\_source\_version (major\_version.minor\_version)*

**Explanation:** The connector queried the data source metadata and obtained the name and version of the associated data source.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30009I** The driver JDBC version is: *major\_version.minor\_version*

**Explanation:** The connector queried the database metadata and obtained the JDBC version of the associated driver.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30010I** The connector will run the following statement on the data source: *statement\_text*

**Explanation:** The connector will run the specified statement on the data source.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30011I** The connector changed the batch size from *original\_batch\_size* to *modified\_batch\_size* because the specified record count value *record\_count* must be a multiple of the batch size value.

**Explanation:** The connector changed the batch size from *original\_batch\_size* to *modified\_batch\_size* to ensure that the record count value *record\_count* is a multiple of the value of the batch size.

**User response:** No action is required. To eliminate the message, set the **Record count** property to value 0. Alternatively, ensure that the **Record count** property value is a multiple of the **Batch size** property value by adjusting one or both of them.

---

**IIS-CONN-JDBC-30012I** The connector was configured to run on *node\_count* processing nodes but partitioned reads were not enabled for the stage. The connector will enforce sequential execution for the stage.

**Explanation:** This message is a notification that the parallel configuration file in effect for the job specifies multiple processing nodes for this stage. Since partitioned reads were not enabled for the stage, the connector enforced sequential execution on a single processing node.

**User response:** No action is required. To remove the message from the log, set the **Enable partitioned reads** property to **Yes**. Alternatively, you can specify a single node in the node configuration for the stage to ensure that the stage is running on a single processing node, or set the execution mode for the stage to sequential.

---

**IIS-CONN-JDBC-30013I** The transaction isolation level is set to: *isolation\_level*

**Explanation:** The specified isolation level is used for the connection that the connector established to the data source.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30014I** The connector could not determine the transaction isolation level.

**Explanation:** The connector tried to obtain the effective transaction isolation level for the connection that the connector established to the data source, but the driver returned an error.

**User response:** If the driver does not support setting an isolation level, no action is required. If the driver supports setting an isolation level, run the job with the **CC\_MSG\_LEVEL** environment variable set to 2 to obtain a debug level job log. The job log will contain details about the error that the driver returned when the connector requested the current isolation level.

---

**IIS-CONN-JDBC-30015I** The autocommit mode is enabled.

**Explanation:** Autocommit mode is enabled for the connection that is established to the data source.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30016I** The autocommit mode is disabled.

**Explanation:** Autocommit mode is disabled for the connection that is established to the data source.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30017I** The connector could not determine the autocommit mode value.

**Explanation:** The connector tried to set and then determine the value of the autocommit mode, but the driver returned an error.

**User response:** If the driver does not support setting autocommit mode, no action is required. If the driver supports autocommit mode, run the job with the **CC\_MSG\_LEVEL** environment variable set to 2 to obtain the debug level job log. The job log will contain details about the error that the driver returned when the connector tried to set and read the autocommit mode.

---

**IIS-CONN-JDBC-30018I** The fetch size is set to *fetch\_size*.

**Explanation:** When the connector executes a statement, the connector will use the specified fetch size.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30019I** The connector could not determine the value for the fetch size.

**Explanation:** This message is an indication that the connector tried to set and then determine the effective fetch size, but the driver returned an error.

**User response:** No action is required if the driver does not support setting the fetch size. If the driver supports setting the fetch size, run the job with **CC\_MSG\_LEVEL** environment variable set to 2 to obtain debug level job log. The job log will contain the details about the error that the driver returned when the connector tried to set and read the fetch size.

---

**IIS-CONN-JDBC-30020I** Number of rows fetched on the current node: *number\_of\_rows*.

**Explanation:** The specified number of rows were fetched on the current node.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30021I** The character set encoding for the non-Unicode character values on the link is *charset*. The maximum number of bytes per character in this encoding is *max\_bytes*.

**Explanation:** This message indicates the character set encoding of the values in non-Unicode character columns on the link. This character set encoding is used to perform character data conversions between the non-Unicode link column values and Unicode data source column values.

**User response:** No action is required. Note that the length for a non-Unicode character column on the link needs to be multiplied by the number of bytes per character to prevent possible truncation of Unicode values of that same length. Alternatively, the non-Unicode character link column need to be replaced with the Unicode character link columns. Non-unicode character link columns as Char, VarChar and LongVarChar columns for which Extended attribute is not set to Unicode. Unicode character links columns are NChar, NVarChar and LongNVarChar columns, as well as Char, VarChar and LongVarChar columns for which Extended attribute is set to Unicode.

---

**IIS-CONN-JDBC-30022I** The connector ran the specified Before SQL statement.

**Explanation:** The connector successfully executed all the statements in the **Before SQL statement** property.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30023I** The connector ran the specified Before SQL (node) statement.

**Explanation:** The connector successfully executed all the statements in the **Before SQL (node) statement** property.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30024I** The connector ran the specified After SQL (node) statement.

**Explanation:** The connector successfully executed all the statements in the **After SQL (node) statement** property.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30025I** The connector ran the specified After SQL statement.

**Explanation:** The connector successfully executed all the statements in the **After SQL statement** property.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30026I** The file that is specified in the Before SQL statement property does not contain an SQL statement.

**Explanation:** The connector was configured to read the Before SQL statement from a file, but no statements were detected in the file.

**User response:** No action is required. If you expected a Before SQL statement to be run, ensure that the file that is specified in the **Before SQL statement** property contains a statement.

---

**IIS-CONN-JDBC-30027I** The file that is specified in the Before SQL (node) statement property does not contain an SQL statement.

**Explanation:** The connector was configured to read the Before SQL (node) statement from a file, but no statements were detected in the file.

**User response:** No action is required. If you expected a Before SQL (node) statement to be run, ensure that the file that is specified in the **Before SQL (node) statement** property contains a statement.

---

**IIS-CONN-JDBC-30028I** The file that is in the After SQL (node) statement property does not contain an SQL statement.

**Explanation:** The connector was configured to read the After SQL (node) statement from a file, but no statements were detected in the file.

**User response:** No action is required. If you expected an After SQL (node) statement to be run, ensure that the file specified in the **After SQL (node) statement** property contains a statement.

---

**IIS-CONN-JDBC-30029I** The file that is in the After SQL statement property does not contain an SQL statement.

**Explanation:** The connector was configured to read the After SQL statement from a file, but no statements were detected in the file.

**User response:** No action is required. If you expected an After SQL statement to be run, ensure that the file specified in the **After SQL statement** property contains a statement.

---

---

**IIS-CONN-JDBC-30030I** The connector generated the following *statement\_type* statement at run time: *statement\_text*.

**Explanation:** The JDBC connector automatically generated the specified SQL statement based on the specified table *table* and the column definitions in the schema for the link.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30031I** The connector ran the *statement\_type* statement: *statement\_text*.

**Explanation:** The JDBC connector ran the specified SQL statement for a table action.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30032I** The connector created the table *table\_name*.

**Explanation:** The JDBC connector created the *table\_name* table.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30033I** The connector dropped the table *table\_name*.

**Explanation:** The JDBC connector dropped the *table\_name* table.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30034I** The connector truncated the table *table\_name*.

**Explanation:** The JDBC connector truncated the *table\_name* table.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30035I** The connector will ignore the column *column\_name* on the link because it is not referenced by any of the statements performed by the stage.

**Explanation:** The connector encountered the specified column in the schema for the link, but the connector cannot find a matching parameter in any of the statements that the stage is configured to perform. The connector will continue and will omit processing this field because it is configured to drop the unmatched fields on the link.

**User response:** No action is required. To stop the message from showing up in the log perform one of the following actions:

- Ensure that the specified column on the link is referenced by the statements that are specified for the stage.
- Remove the column from the link.

---

**IIS-CONN-JDBC-30036I** The driver does not support batch updates. The connector will enforce the batch size value of 1.

**Explanation:** The connector queried the driver and determined that the driver does not support batch updates. The batch size for the connector was set to a value larger than 1. The connector will enforce the batch size value of 1 and will submit input records to the data source one at a time.

**User response:** No action is required. To stop the message from showing up in the log, set the batch size property value to 1.

---

**IIS-CONN-JDBC-30037I** Number of rows inserted on the current node: *number\_of\_rows*.

**Explanation:** The specified number of rows were inserted on the current node.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30038I** Number of rows updated on the current node: *number\_of\_rows*.

**Explanation:** The specified number of rows were updated on the current node.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30039I** Number of rows deleted on the current node: *number\_of\_rows*.

**Explanation:** The specified number of rows were deleted on the current node.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30040I** Number of records processed by the custom statements on the current node: *number\_of\_records*.

**Explanation:** The specified number of input records were processed by the custom (user-defined) set of statements on the current node.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30041I** Number of records rejected on the current node: *number\_of\_records*.

**Explanation:** The specified number of input records were rejected on the current node.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30042I** The driver could not determine the number of rows inserted on the current node.

**Explanation:** For at least one input record the driver reported that the number of rows inserted to the data

source is unknown. Consequently, the connector is not able to report the total number of rows inserted on the current node.

**User response:** No action is required. If necessary to obtain the information about the number of rows inserted to the data source try one of the following: use a different version of the driver, use different data types on the link and the target table, set the batch size to 1.

---

**IIS-CONN-JDBC-30043I The driver could not determine the number of rows updated on the current node.**

**Explanation:** For at least one input record the driver reported that the number of rows updated in the data source is unknown. Consequently, the connector is not able to report the total number of rows updated on the current node.

**User response:** No action is required. If necessary to obtain the information about the number of rows updated in the data source try one of the following: use a different version of the driver, use different data types on the link and the target table, set the batch size to 1.

---

**IIS-CONN-JDBC-30044I The driver could not determine the number of rows deleted on the current node.**

**Explanation:** For at least one input record the driver reported that the number of rows deleted from the data source is unknown. Consequently, the connector is not able to report the total number of rows deleted on the current node.

**User response:** No action is required. If necessary to obtain the information about the number of rows deleted from the data source try one of the following: use a different version of the driver, use different data types on the link and the target table, set the batch size to 1.

---

**IIS-CONN-JDBC-30045I Number of records processed by the lookup statement on the current node: *number\_of\_records*.**

**Explanation:** The specified number of input records were processed by the lookup statement on the current node.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30046I The connector changed the batch size from *original\_batch\_size* to 1 to ensure proper record processing based on the specified record ordering for the stage.**

**Explanation:** The connector changed the batch size from *original\_batch\_size* to 1 to ensure that the specified

order in which records are processed across multiple input links functions correctly. This happens when the **Batch size** property for the link is set to a value larger than 1 and the **Record ordering** property for the stage is set to a value other than All records.

**User response:** No action is required. To eliminate the message, set the **Batch size** property for the link to value 1.

Alternatively, set the **Record ordering** property for the stage to value **All records**.

---

**IIS-CONN-JDBC-30047I Number of times the connector ran the specified Begin SQL statement on the current node: *number\_of\_runs*.**

**Explanation:** The connector ran all of the statements in the **Begin SQL statement** property *number\_of\_runs* times on the current node.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30048I Number of times the connector ran the specified End SQL statement on the current node: *number\_of\_runs*.**

**Explanation:** The connector ran all of the statements in the **End SQL statement** property *number\_of\_runs* times on the current node.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30049I The connector is configured to run the following Before SQL statement: *statement\_text***

**Explanation:** The specified statement will run before any records are processed on any of the nodes of the stage.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30050I The connector is configured to run the following After SQL statement: *statement\_text***

**Explanation:** The specified statement will run after all the records were processed on all of the nodes of the stage.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30051I The connector is configured to run the following Before SQL (node) statement on the current processing node: *statement\_text***

**Explanation:** The specified statement will run on the current node before any records are processed on the node.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30052I** The connector is configured to run the following After SQL (node) statement on the current processing node: *statement\_text*

**Explanation:** The specified statement will run on the current node after all the records were processed on the node.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30053I** The connector is configured to run the following Begin SQL statement in the transactions on the current processing node: *statement\_text*

**Explanation:** The specified statement will run in each transaction on the current node of the stage before any records are processed in the transaction.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30054I** The connector is configured to run the following End SQL statement in the transactions on the current processing node: *statement\_text*

**Explanation:** The specified statement will run in each transaction on the current node of the stage after all the records were processed in the transaction.

**User response:** No action is required.

---

**IIS-CONN-JDBC-30055I** The connector closed the connection to the data source.

**Explanation:** Because the connector completed all of the operations on the connection, the connector closed the connection to the JDBC data source. The JDBC data source can release any resources that it allocated for the connection.

**User response:** No action is required.

---

## Appendix A. Product accessibility

You can get information about the accessibility status of IBM® products.

The IBM InfoSphere® Information Server product modules and user interfaces are not fully accessible.

For information about the accessibility status of IBM products, see the IBM product accessibility information at [http://www.ibm.com/able/product\\_accessibility/index.html](http://www.ibm.com/able/product_accessibility/index.html).

### Accessible documentation

Accessible documentation for InfoSphere Information Server products is provided in an information center. The information center presents the documentation in XHTML 1.0 format, which is viewable in most web browsers. Because the information center uses XHTML, you can set display preferences in your browser. This also allows you to use screen readers and other assistive technologies to access the documentation.

The documentation that is in the information center is also provided in PDF files, which are not fully accessible.

### IBM and accessibility

See the IBM Human Ability and Accessibility Center for more information about the commitment that IBM has to accessibility.



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## Appendix B. Reading command-line syntax

This documentation uses special characters to define the command-line syntax.

The following special characters define the command-line syntax:

- [ ] Identifies an optional argument. Arguments that are not enclosed in brackets are required.
- ... Indicates that you can specify multiple values for the previous argument.
- | Indicates mutually exclusive information. You can use the argument to the left of the separator or the argument to the right of the separator. You cannot use both arguments in a single use of the command.
- { } Delimits a set of mutually exclusive arguments when one of the arguments is required. If the arguments are optional, they are enclosed in brackets ([ ]).

**Note:**

- The maximum number of characters in an argument is 256.
- Enclose argument values that have embedded spaces with either single or double quotation marks.

For example:

```
wsetsrc[-S server] [-l label] [-n name] source
```

The *source* argument is the only required argument for the **wsetsrc** command. The brackets around the other arguments indicate that these arguments are optional.

```
wlsac [-l | -f format] [key... ] profile
```

In this example, the **-l** and **-f** format arguments are mutually exclusive and optional. The *profile* argument is required. The *key* argument is optional. The ellipsis (...) that follows the *key* argument indicates that you can specify multiple key names.

```
wrb -import {rule_pack | rule_set}...
```

In this example, the *rule\_pack* and *rule\_set* arguments are mutually exclusive, but one of the arguments must be specified. Also, the ellipsis marks (...) indicate that you can specify multiple rule packs or rule sets.



---

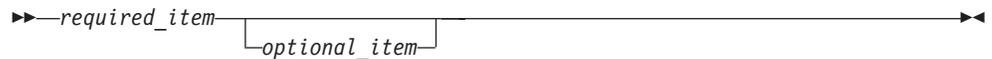
## Appendix C. How to read syntax diagrams

The following rules apply to the syntax diagrams that are used in this information:

- Read the syntax diagrams from left to right, from top to bottom, following the path of the line. The following conventions are used:
  - The >>--- symbol indicates the beginning of a syntax diagram.
  - The ---> symbol indicates that the syntax diagram is continued on the next line.
  - The >--- symbol indicates that a syntax diagram is continued from the previous line.
  - The --->< symbol indicates the end of a syntax diagram.
- Required items appear on the horizontal line (the main path).



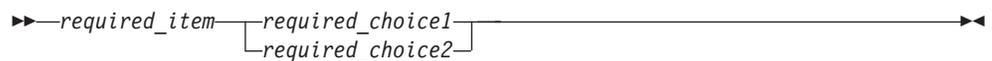
- Optional items appear below the main path.



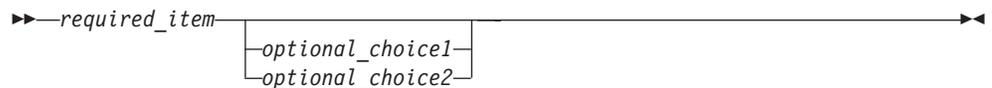
If an optional item appears above the main path, that item has no effect on the execution of the syntax element and is used only for readability.



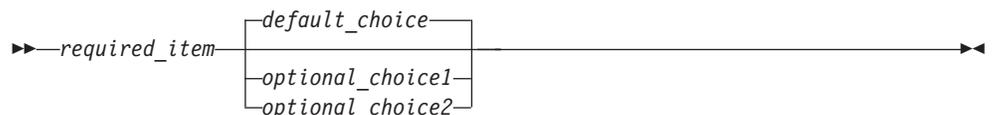
- If you can choose from two or more items, they appear vertically, in a stack. If you must choose one of the items, one item of the stack appears on the main path.



If choosing one of the items is optional, the entire stack appears below the main path.



If one of the items is the default, it appears above the main path, and the remaining choices are shown below.



- An arrow returning to the left, above the main line, indicates an item that can be repeated.



If the repeat arrow contains a comma, you must separate repeated items with a comma.



A repeat arrow above a stack indicates that you can repeat the items in the stack.

- Sometimes a diagram must be split into fragments. The syntax fragment is shown separately from the main syntax diagram, but the contents of the fragment should be read as if they are on the main path of the diagram.



**Fragment-name:**



- Keywords, and their minimum abbreviations if applicable, appear in uppercase. They must be spelled exactly as shown.
- Variables appear in all lowercase italic letters (for example, *column-name*). They represent user-supplied names or values.
- Separate keywords and parameters by at least one space if no intervening punctuation is shown in the diagram.
- Enter punctuation marks, parentheses, arithmetic operators, and other symbols, exactly as shown in the diagram.
- Footnotes are shown by a number in parentheses, for example (1).

---

## Appendix D. Contacting IBM

You can contact IBM for customer support, software services, product information, and general information. You also can provide feedback to IBM about products and documentation.

The following table lists resources for customer support, software services, training, and product and solutions information.

*Table 1. IBM resources*

<b>Resource</b>	<b>Description and location</b>
IBM Support Portal	You can customize support information by choosing the products and the topics that interest you at <a href="http://www.ibm.com/support/entry/portal/Software/Information_Management/InfoSphere_Information_Server">www.ibm.com/support/entry/portal/Software/Information_Management/InfoSphere_Information_Server</a>
Software services	You can find information about software, IT, and business consulting services, on the solutions site at <a href="http://www.ibm.com/businesssolutions/">www.ibm.com/businesssolutions/</a>
My IBM	You can manage links to IBM Web sites and information that meet your specific technical support needs by creating an account on the My IBM site at <a href="http://www.ibm.com/account/">www.ibm.com/account/</a>
Training and certification	You can learn about technical training and education services designed for individuals, companies, and public organizations to acquire, maintain, and optimize their IT skills at <a href="http://www.ibm.com/training">http://www.ibm.com/training</a>
IBM representatives	You can contact an IBM representative to learn about solutions at <a href="http://www.ibm.com/connect/ibm/us/en/">www.ibm.com/connect/ibm/us/en/</a>



---

## Appendix E. Accessing the product documentation

Documentation is provided in a variety of formats: in the online IBM Knowledge Center, in an optional locally installed information center, and as PDF books. You can access the online or locally installed help directly from the product client interfaces.

IBM Knowledge Center is the best place to find the most up-to-date information for InfoSphere Information Server. IBM Knowledge Center contains help for most of the product interfaces, as well as complete documentation for all the product modules in the suite. You can open IBM Knowledge Center from the installed product or from a web browser.

### Accessing IBM Knowledge Center

There are various ways to access the online documentation:

- Click the **Help** link in the upper right of the client interface.
- Press the F1 key. The F1 key typically opens the topic that describes the current context of the client interface.

**Note:** The F1 key does not work in web clients.

- Type the address in a web browser, for example, when you are not logged in to the product.

Enter the following address to access all versions of InfoSphere Information Server documentation:

```
http://www.ibm.com/support/knowledgecenter/SSZJPZ/
```

If you want to access a particular topic, specify the version number with the product identifier, the documentation plug-in name, and the topic path in the URL. For example, the URL for the 11.3 version of this topic is as follows. (The ⇒ symbol indicates a line continuation):

```
http://www.ibm.com/support/knowledgecenter/SSZJPZ_11.3.0/⇒  
com.ibm.swg.im.iis.common.doc/common/accessingiidoc.html
```

**Tip:**

The knowledge center has a short URL as well:

```
http://ibm.biz/knowctr
```

To specify a short URL to a specific product page, version, or topic, use a hash character (#) between the short URL and the product identifier. For example, the short URL to all the InfoSphere Information Server documentation is the following URL:

```
http://ibm.biz/knowctr#SSZJPZ/
```

And, the short URL to the topic above to create a slightly shorter URL is the following URL (The ⇒ symbol indicates a line continuation):

```
http://ibm.biz/knowctr#SSZJPZ_11.3.0/com.ibm.swg.im.iis.common.doc/⇒  
common/accessingiidoc.html
```

## Changing help links to refer to locally installed documentation

IBM Knowledge Center contains the most up-to-date version of the documentation. However, you can install a local version of the documentation as an information center and configure your help links to point to it. A local information center is useful if your enterprise does not provide access to the internet.

Use the installation instructions that come with the information center installation package to install it on the computer of your choice. After you install and start the information center, you can use the **iisAdmin** command on the services tier computer to change the documentation location that the product F1 and help links refer to. (The `⇒` symbol indicates a line continuation):

### Windows

```
IS_install_path\ASBServer\bin\iisAdmin.bat -set -key ⇒  
com.ibm.iis.infocenter.url -value http://<host>:<port>/help/topic/
```

### AIX® Linux

```
IS_install_path/ASBServer/bin/iisAdmin.sh -set -key ⇒  
com.ibm.iis.infocenter.url -value http://<host>:<port>/help/topic/
```

Where `<host>` is the name of the computer where the information center is installed and `<port>` is the port number for the information center. The default port number is 8888. For example, on a computer named `server1.example.com` that uses the default port, the URL value would be `http://server1.example.com:8888/help/topic/`.

## Obtaining PDF and hardcopy documentation

- The PDF file books are available online and can be accessed from this support document: <https://www.ibm.com/support/docview.wss?uid=swg27008803&wv=1>.
- You can also order IBM publications in hardcopy format online or through your local IBM representative. To order publications online, go to the IBM Publications Center at <http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>.

---

## Appendix F. Providing feedback on the product documentation

You can provide helpful feedback regarding IBM documentation.

Your feedback helps IBM to provide quality information. You can use any of the following methods to provide comments:

- To provide a comment about a topic in IBM Knowledge Center that is hosted on the IBM website, sign in and add a comment by clicking **Add Comment** button at the bottom of the topic. Comments submitted this way are viewable by the public.
- To send a comment about the topic in IBM Knowledge Center to IBM that is not viewable by anyone else, sign in and click the **Feedback** link at the bottom of IBM Knowledge Center.
- Send your comments by using the online readers' comment form at [www.ibm.com/software/awdtools/rcf/](http://www.ibm.com/software/awdtools/rcf/).
- Send your comments by e-mail to [comments@us.ibm.com](mailto:comments@us.ibm.com). Include the name of the product, the version number of the product, and the name and part number of the information (if applicable). If you are commenting on specific text, include the location of the text (for example, a title, a table number, or a page number).



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*Table 2. Use of cookies by InfoSphere Information Server products and components*

Product module	Component or feature	Type of cookie that is used	Collect this data	Purpose of data	Disabling the cookies
Any (part of InfoSphere Information Server installation)	InfoSphere Information Server web console	<ul style="list-style-type: none"> <li>• Session</li> <li>• Persistent</li> </ul>	User name	<ul style="list-style-type: none"> <li>• Session management</li> <li>• Authentication</li> </ul>	Cannot be disabled
Any (part of InfoSphere Information Server installation)	InfoSphere Metadata Asset Manager	<ul style="list-style-type: none"> <li>• Session</li> <li>• Persistent</li> </ul>	No personally identifiable information	<ul style="list-style-type: none"> <li>• Session management</li> <li>• Authentication</li> <li>• Enhanced user usability</li> <li>• Single sign-on configuration</li> </ul>	Cannot be disabled

Table 2. Use of cookies by InfoSphere Information Server products and components (continued)

Product module	Component or feature	Type of cookie that is used	Collect this data	Purpose of data	Disabling the cookies
InfoSphere DataStage®	Big Data File stage	<ul style="list-style-type: none"> <li>• Session</li> <li>• Persistent</li> </ul>	<ul style="list-style-type: none"> <li>• User name</li> <li>• Digital signature</li> <li>• Session ID</li> </ul>	<ul style="list-style-type: none"> <li>• Session management</li> <li>• Authentication</li> <li>• Single sign-on configuration</li> </ul>	Cannot be disabled
InfoSphere DataStage	XML stage	Session	Internal identifiers	<ul style="list-style-type: none"> <li>• Session management</li> <li>• Authentication</li> </ul>	Cannot be disabled
InfoSphere DataStage	IBM InfoSphere DataStage and QualityStage® Operations Console	Session	No personally identifiable information	<ul style="list-style-type: none"> <li>• Session management</li> <li>• Authentication</li> </ul>	Cannot be disabled
InfoSphere Data Click	InfoSphere Information Server web console	<ul style="list-style-type: none"> <li>• Session</li> <li>• Persistent</li> </ul>	User name	<ul style="list-style-type: none"> <li>• Session management</li> <li>• Authentication</li> </ul>	Cannot be disabled
InfoSphere Data Quality Console		Session	No personally identifiable information	<ul style="list-style-type: none"> <li>• Session management</li> <li>• Authentication</li> <li>• Single sign-on configuration</li> </ul>	Cannot be disabled
InfoSphere QualityStage Standardization Rules Designer	InfoSphere Information Server web console	<ul style="list-style-type: none"> <li>• Session</li> <li>• Persistent</li> </ul>	User name	<ul style="list-style-type: none"> <li>• Session management</li> <li>• Authentication</li> </ul>	Cannot be disabled
InfoSphere Information Governance Catalog		<ul style="list-style-type: none"> <li>• Session</li> <li>• Persistent</li> </ul>	<ul style="list-style-type: none"> <li>• User name</li> <li>• Internal identifiers</li> <li>• State of the tree</li> </ul>	<ul style="list-style-type: none"> <li>• Session management</li> <li>• Authentication</li> <li>• Single sign-on configuration</li> </ul>	Cannot be disabled
InfoSphere Information Analyzer	Data Rules stage in the InfoSphere DataStage and QualityStage Designer client	Session	Session ID	Session management	Cannot be disabled

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