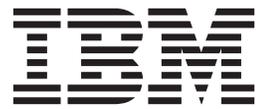IBM InfoSphere Information Server
Version 11 Release 3

Distributed Transaction Stage Message Reference

IBM

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Version 11 Release 3

Distributed Transaction Stage Message Reference

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Contents

Distribution Transaction stage Messages

This message reference includes the messages that are returned by various components of the Distribution Transaction stage.

You must be familiar with the functions of the operating system where the Distribution Transaction stage 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 parallel engine generates messages that relate to errors that occur during installation, file writing and reading, and general product usage. The message information describes the types of errors, explains why they occurred, and provides solutions to them.

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.

The symbol {0} appears throughout the messages, and indicates a variable that is returned by the code. This variable represents either a value or a property that is specific to the generated message.

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

IIS-CONN-NGBR-0052E Failed to open MQ server library, *method name which is called to load library* **method call failed with error code:** *error code*, **error message: '***error message***'**

Explanation: The method failed to load the WebSphere MQ library that is required by the Distributed Transaction stage.

User response: Complete the following tasks:

- Ensure that the WebSphere MQ server is installed on all compute nodes where the Distributed Transaction stage runs.
- Ensure that the path to the WebSphere MQ server library is in the library path.
- Ensure that the WebSphere MQ library files that are installed are not corrupted.

IIS-CONN-NGBR-0053E Failed to resolve MQ methods, *method name which is called to get MQ API address* **method call failed with error code:** *error code*, **error message: '***error message***'**

Explanation: The method could not resolve the

WebSphere MQ API address.

User response: Complete the following tasks:

- Ensure that the Installed WebSphere MQ server version is supported by the Distributed Transaction stage runs.
- Ensure that the WebSphere MQ library files that are installed are not corrupted.

IIS-CONN-NGBR-0054E Connecting to transaction manager *queue manager name* **returned completion code:** *completion code*, **reason code:** *reason code*, **queue manager handle:** *queue manager handle*

Explanation: If the connector cannot connect to the queue manager, an error message is logged . If the connector connects to the queue manager successfully, an informational message is logged. If the connector connects to the queue manager with warnings, a warning message is logged.

User response: If the message is logged as an error, complete the following tasks:

- Ensure that the queue manager name is specified correctly.

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• Ensure that the specified queue manager is running.

For more information about the completion code and the reason code.

IIS-CONN-NGBR-0055E Opening queue *queue name* **on** *queue manager name* **returned completion code:** *completion code*, **reason code:** *reason code*, **queue handle:** *queue handle*

Explanation: When the connection to the work queue fails, an error message is logged . When the Distributed Transaction stage connects to the work queue successfully, an informational message is logged . When the Distributed Transaction stage connects to the work queue with warnings, a warning message is logged.

User response: If the message is logged as an error, ensure that the queue name is specified correctly. For more information about the completion code and the reason code, see the WebSphere MQ documentation.

IIS-CONN-NGBR-0056E Starting distributed transaction on transaction manager *queue manager name* **returned completion code:** *completion code*, **reason code:** *reason code*

Explanation: If the Distributed Transaction stage cannot start the XA transaction, an error message is logged. If the Distributed Transaction stage starts the XA transaction successfully, an informational message is logged. If the Distributed Transaction stage starts the XA transaction with warnings, a warning message is logged.

User response: If the message is logged as an error, ensure that the XA resources are configured correctly. For more information about the completion code and the reason code, see the WebSphere MQ documentation.

IIS-CONN-NGBR-0057E Getting message from queue *queue name* **returned completion code:** *completion code*, **reason code:** *reason code*, **message id:** *message id*

Explanation: If the Distributed Transaction stage cannot retrieve a message from the work queue, an error message is logged . If the Distributed Transaction stage retrieves a message from the work queue successfully, an informational message is logged.

User response: If the message is logged as an error, use information about the completion code and reason code from the WebSphere MQ documentation to troubleshoot the error.

IIS-CONN-NGBR-0058E Committing distributed transaction on queue manager *queue manager name* **returned completion code:** *completion code*, **reason code:** *reason code*

Explanation: If the Distributed Transaction stage cannot commit the XA transaction from the queue manager, an error message is logged. If the Distributed Transaction stage commits the XA transaction from the queue manager successfully, an informational message is logged.

User response: If the message is logged as an error, use information about the completion code and reason code from the WebSphere MQ documentation to troubleshoot the error.

IIS-CONN-NGBR-0059E Rolling back distributed transaction on queue manager *queue manager name* **returned completion code:** *completion code*, **reason code:** *reason code*

Explanation: If the XA transaction is not rolled back, an error message is logged . If the XA transaction is rolled back successfully, an informational message is logged.

User response: If the message is logged as an error, use information about the completion code and reason code from the WebSphere MQ documentation to troubleshoot the error.

IIS-CONN-NGBR-0060W Closing queue *queue name* **returned completion code:** *completion code*, **reason code:** *reason code*

Explanation: If the work queue is not closed or is closed with warnings, a warning message is logged . if the work queue is closed successfully, an informational message is logged.

User response: If the message is logged as a warning, use information about the completion code and reason code from the WebSphere MQ documentation to troubleshoot the warning.

IIS-CONN-NGBR-0061W Disconnecting from transaction manager *queue manager name* **returned completion code:** *completion code*, **reason code:** *reason code*

Explanation: If the Distributed Transaction stage cannot disconnect from the queue manager or disconnects with warnings, a warning message is logged . If the Distributed Transaction stage disconnects from the queue manager successfully, an informational message is logged.

User response: If the message is logged as a warning, use information about the completion code and reason code from the WebSphere MQ documentation to troubleshoot the warning.

IIS-CONN-NGBR-0062E Memory allocation error occurred while allocation *memory size* **bytes of memory**

Explanation: Memory was not allocated because memory is not available on the operating system.

User response: Ensure that the operating system has sufficient physical memory. For more information about memory size, see the system requirements for InfoSphere Information Server.

IIS-CONN-NGBR-0063E Putting message on queue *queue name* **returned completion code:** *completion code*, **reason code:** *reason code*, **message id:** *message id*

Explanation: If the Distributed Transaction stage could not put a message on the queue, an error message is logged . If the Distributed Transaction stage put a message on the queue successfully, an informational message is logged.

User response: If the message is logged as an error, use information about the completion code and reason code from the WebSphere MQ documentation to troubleshoot the error.

IIS-CONN-NGBR-0069E DTS_msgID column not found

Explanation: If the **Use MQ messaging** property is set to **Yes**, the input link must have a column where 'WSMQ.MSGID' is specified for data element value .

User response: For each input link, add a column that has the 'WSMQ.MSGID' data element value in the InfoSphere DataStage column definition .

IIS-CONN-NGBR-0072W Changing Record Count property to 0 for input link *link number*

Explanation: When the connector is the Distributed Transaction stage or multiple input links are defined, the **Record count** property must be set to 0.

User response: If you do not want this message to be generated when the job runs, set the **Record count** property to 0.

IIS-CONN-NGBR-0074E The Distributed Transaction Stage has detected a rejected record on input link *link number*.

Explanation: The Distributed Transaction stage received a record that was rejected by a stage from earlier in the job. The rejected record was not processed, but the stage continued to process other records.

User response: Use the messages that are shown before this message to determine why the record was rejected by other stage.

IIS-CONN-NGBR-0075E The Distributed Transaction Stage has detected that the error threshold of *error threshold* **has been met. The count of units of work that failed is** *number of failed units*.

Explanation: Because the number of transactions that failed is greater than the threshold that is specified by the 'Abort after this many failures' property, the job stopped.

User response: If you want the job to complete regardless of the number of transactions that fail, set the 'Abort after this many failures' property to 0.

IIS-CONN-NGBR-0082W The Distributed Transaction Stage does not have a status link.

Explanation: The **Use MQ messaging** property is set to **No**, but no link is available for status information When the **Use MQ messaging** property is set to **Yes**, failed transactions remain in the work queue so that you can view the records that were not processed. However, when the **Use MQ messaging** property is set to to **No**, all records are consumed regardless of the result of the transaction.

User response: If you do not need to know the status of each transaction, you can ignore the message. If you want to know the status of each transaction, add a link for status information or set the **Use MQ messaging** property to **Yes**.

IIS-CONN-NGBR-0083E Missing Data Element definition for column *field path*. **All fields of the status link are required to be defined as Data Elements.**

Explanation: A data element is not defined for a column on the status link

User response: Ensure that valid data elements are specified for all of the column definitions on the status link . Valid data elements for a status link include the prefix 'DTS.STATUS.'

IIS-CONN-NGBR-0084E Data Element *data element name* **of field** *field path* **is not valid for the status link.**

Explanation: An invalid data element was defined for a column on the status link.

User response: Ensure that valid data elements are specified for all of the column definitions on the status link . Valid data elements for a status link include the prefix 'DTS.STATUS.'

IIS-CONN-NGBR-0085E   The Distributed Transaction Stage may not have more than 1 status links.

Explanation: The Distributed Transaction stage can have only one status link.

User response: Ensure that the Distributed Transaction stage has only one status link.

IIS-CONN-NGBR-0086E   Error creating schema (*schema string* **) of the status link:** *error description*

Explanation: The schema for the status link was not created.

User response: Use the error details to troubleshoot the error. If the error persists, gather the job logs and job design, and contact IBM Software Support. You can export the job design as a `.dsx` or `.isx` file. For information about the specific logs and information that you must collect before you contact IBM Software Support, see the troubleshooting topics for InfoSphere Information Server in IBM Knowledge Center. For information about how to export your job design as a `.dsx` file so that you can share it with others, see the topics about designing InfoSphere DataStage and QualityStage jobs in IBM Knowledge Center. For information about how to export your job design as a `.isx` file so that you can share it with others, see the topics about deploying InfoSphere DataStage jobs and accessing version control in IBM Knowledge Center.

IIS-CONN-NGBR-0087I   Created schema (*schema string* **) of the status link**

Explanation: This message is logged when the `CC_MSG_LEVEL` environment variable is set to a value that is less than or equal to 2. The schema was created successfully for the status link.

User response: No action is required.

IIS-CONN-NGBR-0088E   The Distributed Transaction Stage requires at least 1 target link.

Explanation: The Distributed Transaction stage must have one or more input links.

User response: Ensure that the Distributed Transaction stage has one or more input links.

IIS-CONN-NGBR-0092E   Reserved column name *field path* **is invalid for Data Element** *data element name*.

Explanation: The column has reserved column name but an invalid data element is specified for the column.

User response: Change the reserved column name to a different column name.

IIS-CONN-NGBR-0093E   Input link *link number* **has duplicate Message ID columns** *field path* **and** *field path*.

Explanation: More than one column has the WSMQ.MSGID data element, which is used for the WebSphere MQ message ID.

User response: Remove one of the columns.

IIS-CONN-NGBR-0094E   Input link *link number* **has duplicate Rejected Flag columns** *field path* **and** *field path*.

Explanation: More than one column has the DTS.REJECTED data element.

User response: Remove one of the columns.

IIS-CONN-NGBR-0095E   Input link *link number* **has duplicate Rejected Message columns** *field path* **and** *field path*.

Explanation: More than one column has the DTS.REJECTED.MESSAGE data element.

User response: Remove one of the columns.

IIS-CONN-NGBR-0099W   The Distributed Transaction Stage detected an error.

Explanation: The transaction in the Distributed Transaction stage was not loaded into the target data source.

User response: Use information from the messages that are logged before this message to troubleshoot the error.

IIS-CONN-NGBR-0100E   The Connector type specified for link *link number* **is not supported by DTS.**

Explanation: The specified connector type is not supported by the Distributed Transaction stage.

User response: This message indicates that patch level is not consistent between components. See the patch installation history in Version.xml and make sure all pre-required patches are installed.

IIS-CONN-NGBR-0102I   Queue name (*queue name* **) could not be found. The connector will try to open queues from the name list with this name**

Explanation: The Distribution Transaction stage could not connect to the queue because the specified queue name does not exist. The stage will try to connect by using a name list that has the specified queue name.

User response: If you want to use the name list, no action is required . If you want to use the queue name,

specify a valid queue name for **queue name** property.

IIS-CONN-NGBR-0103E Object inquiry failed with reason code: *reason code* **(***reason code name***)**

Explanation: The Distribution Transaction stage could not get the queue names from the name list.

User response: Use the reason codes to troubleshoot the error. Information about reason codes is in the IBM WebSphere MQ documentation.

IIS-CONN-NGBR-0104E The specified name list (*queue name***) is empty**

Explanation: No queue names are in the name list.

User response: Ensure that the name list has one or more queues.

IIS-CONN-NGBR-0113E Failed to open name list (*name list name***) with completion code:** *reason code***, reason code: {2}**

Explanation: The Distributed Transaction stage could not open the name list.

User response: Specify the correct queue name for the name list in the **Queue name** property. For more information about the completion code and the reason code, see the WebSphere MQ documentation.

IIS-CONN-NGBR-0126E Specify a queue manager.

Explanation: Queue manager property is required but no value is specified

User response: Specify the queue manager name for Queue manager name property.

IIS-CONN-NGBR-0127E Input link *link number* **is configured for the** *a connector stage***, but the connector does not support local transaction mode.**

Explanation: When Global Transaction property is set to 'disabled', one or more input links are configured for connector which does not support local transaction mode.

User response: Select connectors which supports local transaction in 'Connector' property on the input link.

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.

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.

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).

  ►►─── *required_item* ──►◄

- Optional items appear below the main path.

  ►►─── *required_item* ───┬──────────────┬───────────────────────────►◄
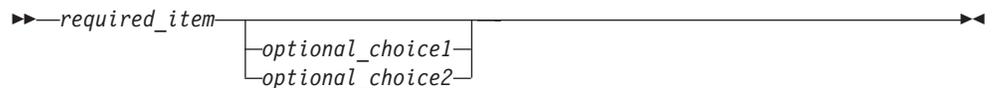   └─*optional_item*─┘
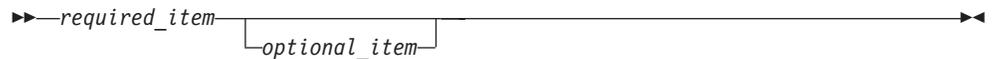
  If an optional item appears above the main path, that item has no effect on the execution of the syntax element and is used only for readability.

  ►►─── *required_item* ───┬─*optional_item*─┬──────────────────────────►◄
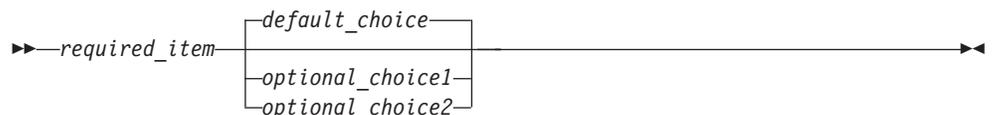   └──────────────────┘

- 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.

  ►►─── *required_item* ───┬─*required_choice1*─┬───────────────────────►◄
                          └─*required_choice2*─┘
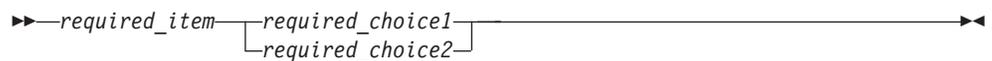
  If choosing one of the items is optional, the entire stack appears below the main path.

  ►►─── *required_item* ───┬──────────────────┬────────────────────────►◄
                          ├─*optional_choice1*─┤
                          └─*optional_choice2*─┘

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

  ►►─── *required_item* ───┬─*default_choice*──┬────────────────────────►◄
                          ├─*optional_choice1*─┤
                          └─*optional_choice2*─┘

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

```
                    ┌──────────┐
 ►►──required_item──▼─repeatable_item─┴──────────────────────────────►◄
```

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

```
                    ┌─,────────┐
 ►►──required_item──▼─repeatable_item─┴──────────────────────────────►◄
```

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.

```
 ►►──required_item──┤ fragment-name ├─────────────────────────────────►◄
```

Fragment-name:

```
 ├──required_item──────────────────────┤
          └─optional_item─┘
```

- 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

Resource	Description and location
IBM Support Portal	You can customize support information by choosing the products and the topics that interest you at www.ibm.com/support/ entry/portal/Software/ Information_Management/ InfoSphere_Information_Server
Software services	You can find information about software, IT, and business consulting services, on the solutions site at www.ibm.com/ businesssolutions/
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 www.ibm.com/account/
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 http://www.ibm.com/training
IBM representatives	You can contact an IBM representative to learn about solutions at www.ibm.com/connect/ibm/us/en/

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.

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InfoSphere Data Click	InfoSphere Information Server web console	• Session • Persistent	User name	• Session management • Authentication	Cannot be disabled
InfoSphere Data Quality Console		Session	No personally identifiable information	• Session management • Authentication • Single sign-on configuration	Cannot be disabled
InfoSphere QualityStage Standardization Rules Designer	InfoSphere Information Server web console	• Session • Persistent	User name	• Session management • Authentication	Cannot be disabled
InfoSphere Information Governance Catalog		• Session • Persistent	• User name • Internal identifiers • State of the tree	• Session management • Authentication • Single sign-on configuration	Cannot be disabled
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