

IBM WebSphere Information Integrator Content Edition



# Release Notes

*Version 8.2 Fix Pack 1*



IBM WebSphere Information Integrator Content Edition



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*Version 8.2 Fix Pack 1*

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 19.

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## About the release notes

The release notes contain the latest information about WebSphere® Information Integrator Content Edition, Version 8.2 Fix Pack 1.

The release notes are in two parts. The first part contains the details of the problems, limitations, and workarounds that were known at the time of publication and apply to the latest version of the product. Read these notes to become familiar with any known outstanding issues with this release of WebSphere Information Integrator Content Edition. The second part contains updates to previously released HTML documentation.

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## WebSphere Information Integrator Content Edition support on the Web

For more information about WebSphere Information Integrator and the latest support issues, see the WebSphere Information Integrator and WebSphere Information Integrator Content Edition support Web page at <http://www-306.ibm.com/software/data/integration/db2ii/supportcontent.html>.





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## Known problems, limitations, and workarounds

The following information describes the currently known limitations, problems, and workarounds for IBM® WebSphere® Information Integrator Content Edition Version 8.2 Fix Pack 1. Any limitations and restrictions might or might not apply to other releases of the product.

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### WebSphere Information Integrator Content Edition installation

#### WebSphere Information Integrator Content Edition installation fails

Your system might not have enough free disk space to install and use WebSphere Information Integrator Content Edition. Ensure that your system has at least 500 MB of free hard disk drive space.

#### Java virtual machine on system is not listed as an option for Content Edition installation

The list of Java™ virtual machines (JVMs) that is provided during installation is not a comprehensive list of all JVMs that might be installed on your system. You can specify a JVM that is not listed by the installation program. On the Choose Java Virtual Machine page of the installer, click **Search for Others** to search the local file system for JVMs, or click **Choose Another** to browse for a JVM.

#### Console installation returns an error

If you use console mode to install the product, you select connectors by using a comma delimited list as follows:

Enter the numbers of the connectors you wish to install in a comma delimited list. i.e, 1, 3, 4:

Do not include spaces between the comma-delimited entries. For example, type 1,3,4. Similarly, do not include spaces between the optional components when you specify the optional components to install.

---

### Administrator tool

#### Imported data maps do not work

When you import a data map from an XML file, the PersistentID properties of connectors in the imported data map might not match the PersistentID properties of the corresponding connectors in the current configuration. Such problematic connectors display an exclamation point (!) next to them in the data map indicating that the connectors are not available or are not configured correctly.

To work around this configuration issue, remove the connectors that are marked with an exclamation point from the data map and add the corresponding connectors from the current configuration again. Alternatively, remove the imported data map, modify the data map XML file by replacing the PersistentIDs of the connectors with the corresponding PersistentIDs in the current configuration, save the XML file, and import the data map again.

---

## Connectors

### FileNet BPM connector

#### Using workflow properties in a query causes an error

FileNet BPM administrators can define workflows with properties, but these properties cannot be searched by default. If a user performs a query by using a workflow property, an error is returned. To allow a workflow property to be searched, the BPM administrator must expose the property by using the FileNet BPM Process Configuration Console. For more information on exposing properties, see your FileNet BPM documentation.

### FileNet P8 Content Manager connector

#### International names for properties display incorrectly in the FileNet P8 Content Manager connector

If you use international characters in FileNet P8 Content Manager connector property names, the property names do not display correctly in the WebSphere Information Integrator Content Edition Web client. The properties do function correctly.

Currently, there is no workaround for this issue.

#### Duplicate properties listed when creating content in the Web client

When you create new content in the Web client by using the FileNet P8 Content Manager connector, the list of displayed properties includes duplicates. To work around this issue, provide only the information needed for the first of each duplicated property, and then click Save.

### IBM DB2 Content Manager connector

#### Checking out and updating IBM DB2 Content Manager connector content returns an error

In the IBM DB2<sup>®</sup> Content Manager connector, if you do not have update permission for a particular item class, a checkout and update operation returns an ItemUpdateException error with the following message: DGL5251A: Feature is not supported.

Ensure that you have update permissions for the item classes that you want to update.

#### GB18030 content file names do not display correctly in the Web client

GB18030 is the registered Internet name for the official character set of the People's Republic of China (PRC). Content file names from the IBM DB2 Content Manager repository that contain GB18030 characters do not display correctly in the Web client. To fix this issue, install IBM DB2 Content Manager V8.2 Fix Pack 8, and create the content items again after you install the fix pack.

### **Creating new content with the ItemType document classification Document, but without the ItemType ICMBASE or ICMBASETEXT causes an error**

If new content is created with the ItemType document classification Document, but without the ItemType ICMBASE as part of the definition, the IBM DB2 Content Manager connector returns an ItemCreationException error:

```
com.venetica.vbr.client.ItemCreationException: DKException
while creating new item.
Exception:com.ibm.mm.sdk.common.DKUsageError:
ICM7097: There is no item type relation defined for the document
being created. (STATE) : [LS RC = 7097]
```

Similarly, if new content is created for text searchable files, such as .txt, .doc, and .xml files, with the ItemType document classification Document but without the ItemType ICMBASETEXT as part of the definition, the same error is returned.

To work around this issue, include the ICMBASE or ICMBASETEXT ItemTypes when creating such content.

## **IBM DB2 OnDemand connector**

### **Time property values are returned incorrectly when querying the IBM DB2 OnDemand connector**

When you run a query that uses a property with a Time data type as a selection property, the returned value is 1900-01-00 instead of the correct time value.

Currently, there is no workaround for this issue.

### **Date/Time values are truncated when querying the IBM DB2 OnDemand connector**

When you run a query that uses a property with a DateTime data type as a selection property, the returned value includes only the Date portion instead of the correct DateTime value.

Currently, there is no workaround for this issue.

## **IBM Lotus Domino Document Manager connector**

### **The Content.checkin method in the commandline.Checkin sample returns a CheckinException error**

If you use the Integration API to check in content, the IBM Lotus® Domino® Document Manager connector returns a CheckinException error. This issue happens when you use the commandline.Checkin sample to check in content, but does not occur when you use the WebSphere Information Integrator Content Edition Web client to check in content:

```
com.venetica.vbr.client.CheckinException: A server connection was not found
for logon ID bd7414887e0d2b83a200650cf7c0b64031
    at com.venetica.vbr.client.Content.checkinFiles(Unknown Source)
    at com.venetica.vbr.client.Content.checkin(Unknown Source)
    at commandline.Checkin.performAction(Unknown Source)
    at commandline.Checkin.main(Unknown Source)
```

To work around this problem, call the Content.getPropertyDescriptionCount() method before you call the Content.checkin() method.

### **Searches that use properties that have different data types in different classes do not return valid results**

The IBM Lotus Domino Document Manager connector might not return valid search results if the property that is specified in the selection criteria exists in multiple item classes and has different data types.

For example, if you run a property-based search with the Date property in the selection criteria and the repository includes a Date property with the STRING data type in the Contract item class and a Date property with the DATE data type in the Correspondence item class, invalid results might be returned.

Currently, there is no workaround for this issue.

### **Queries that include escaped single quotation marks do not return correct results**

The IBM Lotus Domino Document Manager does not return correct results for queries with criteria that include escaped single quotation marks, such as "O\'Reilly". This issue affects both property-based and full-text queries. The IBM Lotus Domino Document Manager connector does not list (\' or (\") in the invalid literals list for property-based and full-text queries. However, these two literals are also invalid.

As a workaround, avoid running property-based or full-text searches with single or double quotation marks because these literals are not supported.

## **IBM Lotus Notes and Lotus Notes 2.0 connectors**

### **In an environment that includes an RMI proxy server, embedded objects do not display in Web components**

Embedded object support requires that the RMI proxy connector be located on the same computer as the Domino server: the RMI proxy connector requires access to the file system that the Domino server uses.

## **Open Text LiveLink connector**

### **Records that contain a null value on the order-by field are not returned by searches**

You can use the `getOrderBy()` method of the Query object to specify that results that are returned from a query be sorted by a selected field. However, results from a query on Open Text LiveLink content that contains a null value in the sort field are not returned.

To work around this issue, avoid using the Order By property when you search Open Text LiveLink connector content.

### **Lexical ordering differs between Open Text LiveLink and WebSphere Information Integrator Content Edition**

WebSphere Information Integrator Content Edition lexical sorting is case sensitive. Open Text LiveLink sorting is case insensitive. The order of returned result rows from WebSphere Information Integrator Content Edition queries might differ from the results that are returned by the native Open Text LiveLink tools. If query results are sorted and a maximum number of results is set, the actual returned result rows might not be as expected.

A workaround is to not set a maximum number of results when an order-by property is specified. Also, you can design WebSphere Information Integrator Content Edition applications that perform case-insensitive sorts.

## Hummingbird connector

### **When deleting content in the Hummingbird DM connector, a VeniceBridgeException is returned**

If you try to delete content in the Hummingbird<sup>®</sup> DM connector while the native file that is associated with that content is being used by other processes, a VeniceBridgeException occurs. The content is removed from folders but is not deleted from the repository.

If this exception occurs, check the Hummingbird DM server to ensure that processes that are running are not using the native files.

### **Updating security permissions for a content item cause a VeniceBridgeException error**

If you update the security permissions for a Hummingbird DM content item, a VeniceBridgeException error is caused. Currently, there is no workaround for this issue.

## Stellent connector

### **Query without selection criteria returns the same item multiple times**

If you query Stellent connector content without specifying selection criteria, a single item is returned multiple times in the result set. For example, if the query has a maximum result set of 200 items, the same item is returned 200 times. Queries with selection criteria are not affected.

Currently, there is no workaround for this issue.

### **Version information about content items is sorted in reverse order**

Version information about content items is sorted in reverse order by the Stellent connector. For example, if there are six versions of a content item, the version information is sorted decrementally from version 6 to version 1. Currently, there is no workaround for this issue.

---

## IBM DB2 Information Integrator Content Edition wrapper

### **Pseudo columns work differently than in other DB2 Information Integrator wrappers**

The DB2 Information Integrator Content Edition wrapper allows content-specific information, such as an item's MIME type or item type, to be exposed as selection properties called pseudo columns. In other DB2 Information Integrator wrappers, pseudo columns are created automatically when a nickname is defined. In the DB2 Information Integrator Content Edition wrapper, you must create pseudo columns explicitly when you create nickname columns. When pseudo columns are defined as nickname columns, you can use them as selection properties in a query, but not as selection criteria. The available pseudo columns are:

**VBR\_NAME**                      **VARCHAR(255)**

The WebSphere Information Integrator Content Edition name for the item.

<b>VBR_URN</b>	<b>VARCHAR(255)</b>	The WebSphere Information Integrator Content Edition URN that uniquely identifies the item.
<b>VBR_ITEM_TYPE</b>	<b>VARCHAR(50)</b>	The WebSphere Information Integrator Content Edition item type (CONTENT or FOLDER) of the item.
<b>VBR_REPO_ID</b>	<b>VARCHAR(50)</b>	The WebSphere Information Integrator Content Edition Repository Name containing the item.
<b>VBR_MIME_TYPE</b>	<b>VARCHAR(50)</b>	The mime type of the item reported by WebSphere Information Integrator Content Edition.
<b>VBR_RELEVANCY</b>	<b>VARCHAR(50)</b>	The relevancy of the item reported by WebSphere Information Integrator Content Edition.

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## Subscription Event Services

### JNDI lookup of the JMX server from the administration tool causes an error

If you are using an application server other than the BEA WebLogic Application Server, such as WebSphere Application Server, a JNDI lookup of the JMX server from the administration tool causes an error.

To work around this issue, set the Subscription Event Services JMX JNDI Info JNDI name property to a blank value. This property is needed only if you are using a BEA WebLogic Application Server. The property should be blank for all other application servers.

### Event filters for a subscription group are applied in an indeterminate order

The order in which multiple event filters for a subscription group are applied is not consistent with the order that was set for that subscription group by using the administration tool. Each event filter is used in an indeterminate order until one of them rejects an event.

Currently, there is no workaround for this issue.

### Subscriptions using a Property Value Event Filter are not processed and return an exception message

Subscriptions that use a Property Value Event Filter are not processed and the following exception message is returned:

Exception Message: No monitored properties have been entered in the VeniceBridge Admin Tool for this Property Value Event Filter.

To work around this problem, create a custom event filter using the Subscription Event Services Event Filter SPI.

---

## Content Edition integration API

### Running applications on a remote client by using the integration API causes a text file to be created

When you run applications by using the Content Edition integration API on a remote client that connects to WebSphere Application Server, a text file is created in the current directory with the name orbtc\*.txt and the following content:

```
16:44:00.969 com.ibm.rmi.corba.PluginRegistry loadPrereqPluginsGroupThree:268
P=40641:0=0:CT ORBRas[default] org.omg.CORBA.INTERNAL:
CONNECTIONINTERCEPTOR_INVALID_CLASSNAME vmcid: 0x49421000 minor code: 5B
completed: No org.omg.CORBA.INTERNAL:
CONNECTIONINTERCEPTOR_INVALID_CLASSNAME vmcid: 0x49421000 minor code: 5B
completed: No
```

You can delete the file. The file is not necessary for product functionality or logging purposes.

### Invoking methods on a user object that was obtained from a session pool returns an error

When you invoke methods on a user object that was obtained from a session pool, you might receive a java.rmi.NoSuchObjectException error. This error occurs when the user object has expired because its Session Pool MaxCheckoutTimeMs parameter has been exceeded.

Currently, there is no workaround for this issue. Design your applications to try to obtain such user objects again or to display a more germane message when this situation occurs.

---

## Web client

### Cannot update multi-value properties

Although multi-valued properties of repository items display correctly in the Web client, you cannot update them by using the Web client. You can update multi-valued properties by using the Integration API instead.

### Cannot create items in a repository with multibyte characters in the repository name

When a repository is configured in the WebSphere Information Integrator configuration and the name of the repository includes one or more multibyte characters, an error occurs that prevents the item creation wizard from proceeding when you select the New content or Create folder link in the Web client.

The work around this issue, use the WebSphere Information Integrator Content Edition administration tool to rename the repository to a name that includes only U.S. English characters.

### Actions initiated from a Node Administrator Web component cause portlet windows to display incorrectly

When you issue the **Delete** or **Create Shortcut** commands from a Node Administrator Web component deployed in a portlet, the portlet window refreshes in an unexpected way. For example, if you issue the **Delete** command, the delete

action occurs but the page is refreshed with the full WebSphere Information Integrator Content Edition Web client shown in the portlet window.

To work around this issue, click **Back** in the client browser to return to the correct portlet display. An additional workaround for the **Create Shortcut** command is to initiate the action from the root node of the Content List from a Content List Web component or from a Navigator Web component that is deployed in a separate portlet configuration.

---

## Web component portlet

### Portlet page opened in a client browser returns errors

Depending on the client browser that you use, a portlet page that is deployed from WebSphere Application Server and that is opened in the client browser might return errors and display pages with broken links and missing images.

To work around this issue, ignore the error messages and refresh the browser page.

### Portlet page opened in a client browser shows duplicated components

Depending on the client browser that you use, a portlet page that is deployed from WebSphere Application Server and that contains a content list or navigator component that is deployed next to a Node Admin or other component might appear as if one of the components is duplicated when the portlet page is opened in the client browser.

Refresh the browser page to see the correct content.

### Form generation tool includes only the base file name in the example entry

The example configuration entry that is displayed with custom form generation does not include the path that is used for the generated file. The path in the configuration entry should be relative to the webclient/forms directory. The generated file will be created correctly. However, the example configuration entry will be wrong.

The FormGen program includes only the base file name in the example entry. If you want to use a more complex directory structure, you must modify the example to reflect that directory structure.

### The Node Administrator Web component Details pane does not display correctly when content is checked out

When the Web components portlet is installed and deployed on a WebSphere Portal Server, the checkout functionality of a Node Administrator component portlet does not display correctly. If content is checked out by using the Details pane, the Node Administrator component portlet area displays as a blank area. The checkout of the content item completes successfully, but the portlet does not refresh correctly.

To work around this issue, refresh the browser window to display the Node Admin portlet again. This issue does not occur in the Node Admin component of the WebSphere Information Integrator Content Edition Web client.



## The Node Administrator Web component Details pane does not check in content correctly

When the Web components portlet is installed and deployed on a WebSphere Portal Server, the check-in functionality of the Node Administrator component portlet does not work properly. If the Details pane is configured to check in content that was previously checked out, when you choose check in options and submit those options, the next page displays a Page Not Found exception.

Currently, there is no workaround for this issue. This issue does not occur in the Node Admin component of the WebSphere Information Integrator Content Edition Web client.

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## View Services

### WebSphere Application Server shuts down when converting AFP documents to JPEG on AIX

Some valid Advanced Function Print (AFP™) documents, when converted to JPEG format, cause a Java core dump file to be generated and WebSphere Application Server to shut down. These problems happen when the conversion is performed by the WebSphere Information Integrator Content Edition Standard Image Converter deployed on WebSphere Application Server 5.1 or later on AIX®.

To fix his problem, deploy View Services in a distributed WebSphere Application Server 5.1.1 environment to take advantage of the version 5.1.1 fixes.

Alternatively for all other configurations, disable the JVM JIT compiler on the WebSphere server that hosts WebSphere Information Integrator Content Edition:

1. In the WebSphere Application Server Administration page, such as <http://localhost:9090/admin>, click **Servers—Application Servers** → *Server* → **Process Definition** → **Java Virtual Machine**, where *Server* is the WebSphere Information Integrator Content Edition server.
2. Click **Disable JIT**.
3. Save the changes to the master configuration.
4. Restart WebSphere Application Server.

If performance is a concern, host View Services on a separate application server and use the previous procedure to disable the JIT compiler for View Services on that application server instead of disabling it for all of the installed components on the WebSphere Information Integrator Content Edition server. For more information about deploying Content Edition components in a distributed environment, see the “Distributed Server Installation” section of the *DB2 Information Integrator Content Edition Installation Guide*.

### Microsoft PowerPoint documents do not display in AIX environments

The Standard HTML Converter cannot convert Microsoft® PowerPoint documents in AIX environments.

To work around this issue, host the View Services Enterprise JavaBean (EJB) on a non-AIX server or use a custom converter instead of the Standard HTML

Convertor. To host the View Services EJB on a non-AIX server, follow the steps provided in the *DB2 II Content Edition Installation Guide* under Distributed Server Installation.

## Advanced Function Print (AFP) documents do not render properly in WebSphere Application Server in an AIX environment

AFP documents do not render properly in WebSphere Application Server in an AIX environment and an error is returned. The error is caused by the inability of AIX to use the java.awt libraries that are needed to correctly process AFP images.

To work around this issue, you must deploy the Java Virtual Machine on the View Services server with the Headless option:

1. From the WebSphere Application Server Administration console, click **Servers** —> **Application Servers** —> *Server* —> **Process Definition** —> **Java Virtual Machine** —> **Custom Properties** where *Server* is the WebSphere Information Integrator Content Edition server on which the View Services are deployed.
2. Add the new property NAME=java.awt.headless VALUE=true.
3. Click **OK** and restart the WebSphere Information Integrator Content Edition server.

For other J2EE application servers, specify the Headless property in their startup script. For example, in the Java command that starts the server, add the following line to the path: `-Djava.awt.headless=true`

## Printing multi page documents from the Viewer applet does not work as expected

Multi page documents that are printed from the Viewer applet might not print as expected. For example, if **All** is selected as the print range, the last page might not print.

To work around this issue, try modifying the printing setup to use direct IP printing or updating the Java Virtual Machine (JVM) plugin version environment.

---

## Viewer applet

### Mod:ca files do not display correctly in custom client applications

Mod:ca files do not display correctly in custom client applications that show Mod:ca files. The overlays appear but the images do not. This problem does not happen when the Viewer Applet renders Mod:ca files in the WebSphere Information Integrator Content Edition Web client.

Currently, there is no workaround for this issue.

---

## Examples

### Converting PDF files using the command line conversion examples causes an error

If you use the command line examples to convert repository content with blank PDF pages, the content is not converted and an error is returned. For example, the following command returns an error:

```
class com.venetica.vbr.client.ConversionException The HTML
conversion process did not produce an output HTML file from converting file
[DB2IICE HOME]/temp/c8da2ca27ffb53f63ec2d6e26f133cd4/PAGE0.PDF
```

Currently, there is no workaround for this issue.



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## Documentation updates

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### Search enhancements

Several constants have been added to the Integration API in the `IExtendedDataType` class. These constants help minimize the research and discovery steps that are required by search partners, such as WebSphere Information Integrator OmniFind™ Edition, for developing search crawlers.

The new constants are:

**REVISION\_DATE**

The date and time when the content object was last revised.

**CREATION\_DATE**

The date and time when the content object was created.

**UNIQUE\_ID**

The unique ID for a particular content object.

**CONTENT\_SIZE**

The size in bytes of a particular content object.

---

### New federated query transformer class

Federated query transformer classes enable attribute transformations for federated queries on repositories that contain similar information in different formats.

#### Federated query transformer class

This topic is an addendum to the *Integration Service Provider Interface User Guide*.

WebSphere Information Integrator Content Edition now includes a federated query transformer Service Provider Interface (SPI) that enables attribute transformations before a federated query runs and transformation of query results after they are returned from participating repositories. You can use the federated query transformer SPI in custom implementations to group content items in multiple repositories that have logically similar attribute values but that differ in their actual representation.

For example, postal codes might comprise five digits or nine digits, with or without a hyphen:

- Repository1 stores postal codes as five digits: 28208
- Repository2 stores postal codes as nine digits, unhyphenated: 282085210
- Repository3 stores postal codes as nine digits, hyphenated: 28208-5210

A federated query that specifies the attribute `postal_code = '28208-5210'` will return incomplete results. The user might expect content from all three repositories to be included in the result set, but results from only repository3 are returned.

Using the federated query transformation code, you can transform the attribute values prior to running the previous query as follows:

- For repository1, update the attribute value to use the first five characters only: `'28208'`

- For repository2, update the attribute value to use first five characters and the last four characters: '282085210'
- For repository3, make no transformations to the attribute value: '28208-5210'

With this transformation, the result set from the federated query execution will match the user's expectation.

To use the Federated Query Transformer SPI, use the `IFederatedQueryTransformer` interface. When a federated query is run, each participating repository connector is sent a copy of the query for processing. The Federated Query Transformer SPI allows you to modify attribute values just prior to the time each repository is sent a copy of a query.

The Federated Query Transformer SPI contains the following five operations:

- `public MultiQuery preProcessMultiQuery(MultiQuery) throws QueryTransformationException`
- `public Query preProcessQuery(Query) throws QueryTransformationException`
- `public QueryResult postProcessResults(Query, QueryResults) throws QueryTransformationException`
- `public void postProcessResultSet(ServerResultSet) throws QueryTransformationException`
- `public void destroy()`

The lifecycle for these operations is as follows:

```

MultiQuery processing is initiated
SPI implementation instantiated using no-arg constructor
preProcessMultiQuery(MultiQuery) is called
for each repository in MultiQuery
preProcessQuery(Query) is called
    Query processing occurs
    postProcessResults(Query, QueryResults) is called
end for loop
postProcessResultSet(ServerResultSet) is called
destroy() is called
MultiQuery processing is complete.

```

## Implementing a custom federated query transformer class

WebSphere Information Integrator Content Edition V8.2 Fix Pack 1 includes a sample implementation of the federated query transformer SPI. The federated query transformer sample file, `SampleFederatedQueryTransformer.java`, is available in `DB2IICE_HOME\docs\examples\java\spi\federatedQueryTransformation`. The sample Java file includes comments that document the sample implementation. Compile the sample file just like you compile any Java file.

To use custom federated query transformations, specify the `FederatedQueryTransformerClassName` attribute on the Access Services configuration in the administration tool.

Place the compiled custom federated query transformer class in an appropriate package structure in the installation's `DB2IICE_HOME/spi/classes` subdirectory (or place the JAR file in the `/spi/lib` subdirectory).

See the *DB2 Integration SPI Reference* for information about implementing the `IFederatedQueryTransformer` interface.

---

## Session pool enhancements

The session pool feature has been enhanced to include an algorithm that weighs the following costs against each other: creating a new user, logging into repositories, and logging out of repositories. In addition, session pools can now run in local mode.

### Relative latency costs of Session Pool actions

The session pool feature now includes an algorithm that weighs the costs of actions against each other. When a user logs into or out of repositories, the algorithm determines whether it is more efficient to log the existing user ID into and out of the necessary repositories or to create a new user ID and log that user ID into the necessary repositories.

For example, if USER1 is currently logged into an IBM Lotus Notes® 6.0 repository and an IBM Lotus Domino Document Manager repository, and USER1 wants to log into that same IBM Lotus Domino Document Manager repository and a FileNet BPM repository, the algorithm determines whether it is more efficient for the system to either keep the current USER1, log out of the Lotus Notes repository, and log into the FileNet BPM repository, or to create a new User ID and log that user into the Lotus Domino Document Manager repository and the FileNet BPM repository.

The relative weights of the costs used in the algorithms are unitless. You should change the relative weights based on the latency cost of each action in your configuration. The following configuration values have been added to the administration tool to represent the relative costs:

#### Relative create user cost

General configuration value that represents the relative latency cost to create a new user. The default value is 1. Because it is a general configuration value, you can only set it once for each WebSphere Information Integrator Content Edition server configuration.

#### Relative login cost

Repository configuration value that represents the relative latency cost for a user to log in to that repository. The default value is 1000. Change this value for each repository based on the relative cost to log a user in to that repository.

#### Relative logout cost

Repository configuration value that represents the relative latency cost for a user to log out of that repository. The default value is 10. Change this value for each repository based on the relative cost to log a user out of that repository.

### Running session pooling in local mode

A local mode session pool can be used to improve the performance of a session pool when the session pool is used by a single application. In local mode, the session pool is created and hosted in the calling application rather than on a remote server.

To run session pooling in local mode, change your application to use a different constructor when it creates the Session Pool object. The two alternate constructors that create a Session Pool object in local mode are located in the package `com.venetica.vbr.client.session.SessionPool`:

```
public SessionPool(String configServerRmiUrls, String sessionPoolName, long
configPollMs, long defaultTimeoutMs) throws ConfigurationException {
    Includes a default request timeout value.
```

```
public SessionPool(String configServerRmiUrls, String sessionPoolName, long
configPollMs) throws ConfigurationException {
    Does not include a default request timeout value.
```

---

## Updates to the Installation Guide

### BEA WebLogic 8.1 SP2 Deployment Guide

Ignore step 5 of the task. You do not need to change either Single Sign On server property.

### Deploying DB2 Information Integrator Content Edition on IBM WebSphere Application Server

Add the following step to the end of the task:

Follow the steps in “Configuring DB2 Information Integrator Content Edition Applications” and, optionally, “Configuring Subscription Event Services for WebSphere” later in this guide to fully configure WebSphere Information Integrator Content Edition.

---

## Updates to the Portlet Developer Guide

### Global

Throughout the guide, the supported BEA WebLogic versions are BEA WebLogic 8.1 SP2 and BEA WebLogic 8.1 SP3.

### Portal deployment on WebSphere portal

In the “Deploying to WebSphere Portal” task, replace step 16 with the following text:

Click **Portal User Interface** → **Manage Pages**.

### Portal deployment on WebLogic Portal

In the “Portal deployment on WebLogic Portal” task, replace step 6 with the following text:

Modify the **startWebLogic.cmd(sh)** file of the new domain to add the following CLASSPATH (after the call **setDomainEnv** command), substituting your WebSphere Information Integrator Content Edition installation directory for **DB2IICE\_HOME**:

```
call "%DOMAIN_HOME%\setDomainEnv.cmd" %*
```

```
@REM SET VENICE BRIDGE OPTIONS
set JAVA_OPTIONS=-Dvbr.home=DB2IICE_HOME
set PATH=%PATH%;DB2IICE_HOME/datastore
set CLASSPATH=%CLASSPATH%;DB2IICE_HOME/datastore/datastore.jar
```



## Portlet deployment on WebLogic Portal

In the “Create a new Portal and add the Web components Portlet” section, replace “WebLogic Workshop” with “WebLogic Workshop”.

## Portlet deployment on WebLogic Portal

In the “Create a new Portal and add the Web components Portlet” task, replace the bulleted steps under step 4 with the following steps:

- Insert the contents of WEB-INF/web.xml into your portal application’s web.xml file. Change the vbrBaseWebComponentsUrl property to point to your WebSphere Information Integrator Content Edition Web Client server.
- Insert the contents of the WEB-INF/portlet.xml file into your portal application’s WEB-INF/portlet.xml file. If your portal application does not have a portlet.xml file, you can use the WebSphere Information Integrator Content Edition portlet.xml file. The vbrComponentId parameter is required as noted in the portlet.xml file. However, the default setup does not require that the parameter be set in the portlet.xml file during this particular step. Later setup steps instruct you to add a portlet preference for the vbrComponentId parameter. Change the vbrBaseWebComponentsUrl property to point to your WebSphere Information Integrator Content Edition Web Client server.
- Add the WEB-INF/lib/vbr.jar and WEB-INF/lib/vbr\_wc.jar files into your portlet’s WEB-INF/lib directory.
- If you do not want the portlet to use the single sign-on credentials supplied to the portal application, change the vbrUseSsoAuthentication property value in the portlet.xml file to FALSE. If you want to use single sign-on credentials with the portlet, set the vbrUseSsoAuthentication property value to TRUE, its default value. Save your changes and ensure that the BlowfishWorkspaceKey.ser file is the same as the file that is deployed with the WebSphere Information Integrator Content Edition Web client. Generally, if WebSphere Information Integrator Content Edition was deployed to WebLogic, then the BlowfishWorkspaceKey.ser file can be copied from the *DB2IICE\_HOME/opt/* directory.

In the “Create a new Portal Desktop using the WebLogic Portal Admin Tool” task, replace step 9 with the following text:

For each instance of the portlet that you add, give the instance a unique title and add a new portlet preference called vbrComponentId that refers to the component ID of the component that you want to display in the portlet. Available component IDs are determined by the contents of the WEB-INF/wc-config.xml file of the WebSphere Information Integrator Content Edition Web client application instance that is backing the Web components portlets. For example, in the default configuration, valid component IDs include ecNavigator and ecNodeAdmin.

---

## Updates to the Documentum Connector Guide

### Installing the Documentum Connector

Add the following step to the other task steps:

Copy the file dfc.properties from the config subdirectory of the DFC User Directory, and place it in the Documentum connector’s working directory, *DB2IICE\_HOME/bin*, where *DB2IICE\_HOME* is the DB2 Information Integrator Content Edition installation directory.

---

## Updates to the Viewer Applet User Guide

### Basic Viewer Applet Setup

In the “Deploying the Viewer as a standalone Web application in WebSphere” task, add the following step after step 4:

Copy the previously deployed `vbr_access_services.jar` and `vbr_view_services.jar` files to the `WEB-INF/lib` directory of the deployed Viewer applet. These files are located in the `WAS_HOME/AppServer/installedApps/node/VeniceBridge.ear` directory, where `WAS_HOME` is the WebSphere Application Server installation directory and `node` is the WebSphere Application Server node on which WebSphere Information Integrator Content Edition is deployed.

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