

IBM DB2 Information Integrator  
OmniFind Edition



# Release Notes

*Version 8.2*



IBM DB2 Information Integrator  
OmniFind Edition



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*Version 8.2*

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# Contents

<b>About the release notes</b> . . . . .	<b>v</b>
DB2 Information Integrator support on the Web . . . . .	v
DB2 Universal Database for Linux, UNIX, and Windows support . . . . .	v
<b>Known problems, limitations, and workarounds</b> . . . . .	<b>1</b>
Unpacking the DB2 UDB for AIX tar file . . . . .	1
Restart the system after you uninstall on Windows . . . . .	1
Orphan URLFetcher process for Linux and AIX. . . . .	2
Shared memory segments in AIX . . . . .	2
Message IDs for alerts . . . . .	2
Index location on the server . . . . .	3
Heap size limits . . . . .	3
DB2 UDB tables with large objects . . . . .	3
Index status does not display . . . . .	3

User ID permissions for Linux and AIX . . . . .	4
<b>Documentation and help topics updates</b> . . . . .	<b>5</b>
Security token plug-in . . . . .	5
<b>Accessing DB2 Information Integrator OmniFind Edition documentation from the Web.</b> . . . . .	<b>7</b>
<b>Notices</b> . . . . .	<b>9</b>
Trademarks . . . . .	11
<b>Contacting IBM</b> . . . . .	<b>13</b>
Obtaining product information . . . . .	13
Providing comments on the documentation. . . . .	13



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## About the release notes

The release notes contain the latest information about IBM® DB2® Information Integrator OmniFind™ Edition Version 8.2.

The release notes are in two parts. The first part contains details about 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 DB2 Information Integrator OmniFind Edition.

The second part contains corrections and updates to previously released HTML, PDF, and printed documentation.

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## DB2 Information Integrator support on the Web

For more information about IBM DB2 Information Integrator OmniFind Edition and the latest support issues, see the DB2 Information Integrator support Web page at [www.ibm.com/software/data/integration/db2ii/support.html](http://www.ibm.com/software/data/integration/db2ii/support.html).

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## DB2 Universal Database for Linux, UNIX, and Windows support

For information about known issues with IBM DB2 Universal Database™ for Linux™, UNIX®, and Windows® Version 8 products, see the DB2 Technical Support Web page at [www.ibm.com/software/data/db2/udb/winos2unix/support](http://www.ibm.com/software/data/db2/udb/winos2unix/support).





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## Known problems, limitations, and workarounds

This information describes the currently known limitations, problems, and workarounds for DB2 Information Integrator OmniFind Edition, Version 8.2.

Any limitations and restrictions might or might not apply to other releases of the product.

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### Unpacking the DB2 UDB for AIX tar file

For DB2 Universal Database Enterprise Server Edition, Version 8.2 for AIX®, you must untar the CD image before you can install DB2 UDB.

Unpack the CD before you start the enterprise search installation.

For more information about unpacking the CD, go to the DB2 Information Center, Version 8.2: <http://publib.boulder.ibm.com/infocenter/db2help/index.jsp>. In the DB2 Information Center, click **Installing** → **Database Systems** → **DB2 Universal Database for Linux, UNIX, and Windows** → **DB2 servers** → **DB2 UDB Enterprise Server Edition (non-partitioned)** → **AIX** → **Starting the DB2 setup wizard**.

This file must be untarred before the enterprise search installation program can install DB2 UDB.

To untar the CD image:

1. Copy product.tar.Z, where product represents the product you are licensed to install, to a temporary file system.
2. Enter the following command to start the DB2 Setup wizard:

```
zcat product.tar.Z | tar -xf - ;./product/db2setup
```

For example, if the product name for DB2 UDB Enterprise Server Edition is ese, then enter the following command:

```
zcat ese.tar.Z | tar -xf - ;./ese/db2setup
```

During the enterprise search installation, provide the directory in the untarred file path that contains the file db2setup. For example, the directory for the untarred file might be .\ese.sbcsaix1.

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### Restart the system after you uninstall on Windows

If you uninstall DB2 Information Integrator OmniFind Edition (enterprise search) on a Windows computer, you must restart the system to complete the removal of all program files.

You must also manually delete the enterprise search installation directories. If you do not restart the system or delete the program files and then attempt to install enterprise search again, problems might occur.

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## Orphan URLFetcher process for Linux and AIX

**Problem:** The Web crawler uses two processes. When one process exits, it signals a second process to exit. One process might sometimes exit unexpectedly and leave the other process running indefinitely.

You can determine that this happened if you see an orphan process like the following process from the output of the UNIX ps command:

```
F S UID          PID  PPID  C  PRI  NI ADDR      SZ  WCHAN  STIME TTY          TIME CMD
0 S user1      26222    1  0  75   0   - 152641 schedu 10:34 pts/8    00:00:00
/opt/IBMJava2-141/jre/bin/java -classpath ../../URLFetcher.jar:...
```

Notice that:

- The PPID (parent process ID) of 1 indicates that the process was orphaned.
- The presence of URLFetcher.jar in the classpath indicates that this is a Web crawler process.

### Solution

Find the process ID (PID) of the orphaned process. In the previous example, it is 26222 and kill it. On Linux and AIX, use the kill command with no argument. You might also see “child” entries in the process table. The child entries represent threads that are created by the orphan process. These child entries should be deleted when you kill their ancestor process.

When you see an orphan URLFetcher process, you should kill the process because if it is in the process table, the operating system reserves resources for it. You should regularly check whether these orphan processes exist, especially if you suspect that the Web crawler has terminated abnormally. If the processes exist, kill them.

---

## Shared memory segments in AIX

If you see message SQL1224N on AIX, you might have exceeded the number of shared memory segments that are allowed by AIX.

To resolve this problem, see the topic SQL1224N Shared Memory Segments on the IBM Support Web site.

---

## Message IDs for alerts

When you specify that you want to receive e-mail about logged messages, you automatically receive e-mail for any alerts that you enabled.

When you configure options for receiving e-mail about logged messages, you specify the IDs of messages that you want to receive e-mail about. If you enable alerts for a collection or the system, the message IDs for the alert conditions are automatically included in the list of message IDs.

If you do not want to receive e-mail when a monitored condition occurs, you can remove the message ID from the list.

The messages that are produced for alerts are:

**FFQC2607W**

The number of crawled documents for the crawler session exceeds the threshold value.

**FFQC2611W**

The number of collection documents for the collection exceeds the threshold value.

**FFQC2613W**

The search process response for the search session exceeds the threshold value.

**FFQC2616W**

The available disk space is less than the configured threshold value on the server.

**FFQC4009E**

The search Web application for enterprise search is not running.

**FFQC4013E**

Failed to enable the search Web application for enterprise search for the collection.

**FFQC4026E**

Could not restart the search process for the collection.

---

## Index location on the server

When you create a collection, if you want to specify an index location other than the default location, the disk space usage for this nondefault index location will not be monitored if you specify an index location that is not on the server data root directory.

For a multiple server installation, when you create a collection, if you want to specify an index location other than the default location, the index location must first exist on all four servers.

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## Heap size limits

The document parser Java™ session (also known as parserservice) has a 400 MB heap size limit.

This value is in *ES\_NODE\_ROOT/config/services.ini:session7.max\_heap=400*. If OutOfMemory messages are displayed in the system error log for the parserservice session, stop the parserservice session, increase the *max\_heap* value in the *services.ini* file for the parserservice, and restart the parserservice session.

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## DB2 UDB tables with large objects

DB2 Universal Database tables with LOB data that is 128 MB or more cannot be crawled. Documents that are larger than 8 MB cannot be indexed.

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## Index status does not display

If you re-install a new version of DB2 Information Integrator OmniFind Edition (enterprise search) without removing the previous installation, the index monitoring status might not display correctly.

When you start the index build, the status of the build does not display correctly on the Index page on the administration console. However, the index is building, and when it is finished building, the Index page will show the correct number of documents that were indexed and the correct times of the index build.

It is recommended that you remove the previous version of DB2 Information Integrator OmniFind Edition before you install a new version.

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## User ID permissions for Linux and AIX

You might need to add write permissions for a new enterprise search user ID.

If you re-install enterprise search with a different Linux or AIX user from the enterprise search administrator, then when you add an DB2 crawler and select the DB2 Universal Database Type 4 Java database connectivity (JDBC) driver, an error might occur. In that case, you must add write permissions for the new enterprise search administrator user to the `/home/db2inst1/sqllib/tmp/0.spf` file.

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## Documentation and help topics updates

This information describes corrections and additions to HTML, PDF, and printed documentation for DB2 Information Integrator OmniFind Edition.

All of the navigational references to the DB2 Information Center in this section assume that you are using the DB2 Information Center navigation tree as the starting point.

### Migration from WebSphere Portal to enterprise search

The following information is an update for the migrating topic that you can find in the DB2 Information Center or in the *Administering Enterprise Search* PDF file (iiysa.pdf):

Before you start the migration wizard, make sure that the enterprise search system is running.

#### **taxonomy\_ID::category\_ID**

In the topic “Query syntax” in the DB2 Information Center or on page 11 in *Programming Guide and API Reference* (iiysp.pdf), the term `taxonomy_ID::category_ID` should be *taxonomy\_ID::category\_ID*. Both sections of this query are variables.

A *taxonomy\_ID::category\_ID* term matches any documents that belong to *category\_ID* or any of its subcategories. If you want the query to return only documents that belong to the specified category but not to any of its subcategories, precede the term with an equal sign (=).

If you are creating search applications, see *Administering Enterprise Search* (iiysa.pdf) or “Working with categories” in the DB2 Information Center for information about types of categories.

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## Security token plug-in

When you specify crawler properties, you can specify the name of a Java class that you want to use to enforce document-level access control.

This feature is implemented in the product, but it is not described in the enterprise search documentation.

Document-level security is accomplished by associating one or more security tokens (a comma delimited string) with each document in the system at crawl time. By default each document is assigned a public token that makes the document available to everyone. The public token can be replaced with a value that is provided by the administrator or a value that is extracted from a field in the crawled document.

The security token plug-in allows you to apply your own business rules to determine the value of the security tokens for any specific crawled document. The plug-in consists of a Java class that is called for each document. The Java class is

passed the assigned security tokens and document identifier. The class returns a new or modified set of security tokens, or the class can indicate that the document is to be ignored, or skipped.

You cannot use a security plug-in with NNTP crawlers.

The security tokens that are associated with each document are stored in the index and used to filter out only those documents that match the security tokens that are presented with the query. Normally group identifiers are used as security tokens, but the tokens can be anything as determined by the enterprise security policies.

See the IBM Support Web site more information about this topic and for information about sample code that you can modify with your own logic.

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## Accessing DB2 Information Integrator OmniFind Edition documentation from the Web

You can access DB2 Information Integrator OmniFind Edition (enterprise search) documentation from the Web.

All DB2 Information Integrator books and release notes are available in PDF files from the DB2 Information Integrator from the IBM Support Web site at <http://www.ibm.com/software/data/integration/db2ii/supportomni.html>.

To access the latest DB2 Information Integrator product documentation, from the DB2 Information Integrator Support Web site, click on the Product Information link

You can access the DB2 Information Integrator OmniFind Edition documentation in all supported languages from the Product Information link:

- DB2 Information Integrator OmniFind Edition product documentation in PDF files
- Release notes
- Instructions for downloading and installing the DB2 Information Center for Linux, UNIX, and Windows
- Links to the DB2 Information Center

The DB2 Information Integrator OmniFind Edition Support Web site also provides support documentation, IBM Redbooks™, white papers, product downloads, links to user groups, and news about DB2 Information Integrator OmniFind Edition.





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- In Canada: 1-800-465-9600

To locate an IBM office in your country or region, see the IBM Directory of Worldwide Contacts on the Web at [www.ibm.com/planetwide](http://www.ibm.com/planetwide).

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Information about DB2 Information Integrator is available by telephone or on the Web.

Information about DB2 Information Integrator is available by telephone or on the Web. The phone numbers provided here are valid in the United States.

1. To order products or to obtain general information: 1-800-IBM-CALL (1-800-426-2255)
2. To order publications: 1-800-879-2755
3. Visit the Web at [www.ibm.com/software/data/integration/db2ii/support.html](http://www.ibm.com/software/data/integration/db2ii/support.html).

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