DB2

DB2 Version 9
for Linux, UNIX, and Windows

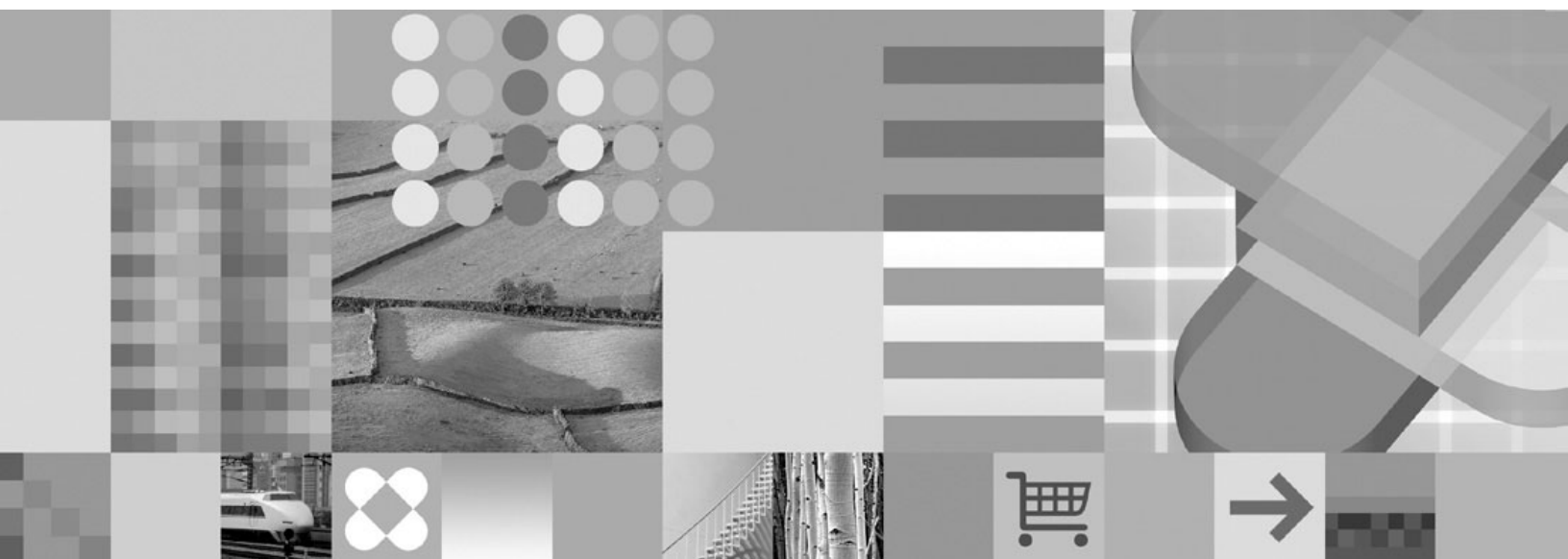IBM

Release Notes for Fix Pack 1

DB2

DB2 Version 9
for Linux, UNIX, and Windows

IBM

Release Notes for Fix Pack 1

Before using this information and the product it supports, be sure to read the general information under *Notices*.

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Contents

About the Release Notes

The Release Notes contain information about known problems and documentation updates for DB2® Version 9 for Linux®, UNIX®, and Windows® and for DB2 Connect™ Version 9.

The section on known problems includes information about:

- Temporary limitations, problems, and solutions related to installing the product or using particular product features
- Incompatibilities between the current version of the DB2 product and prior versions
- Incompatibilities between the DB2 product and other products

The section on documentation updates includes late-breaking additions or corrections to product documentation.

DB2 Information Center:

The primary source of DB2 product documentation is the DB2 Information Center. You can find this online at http://publib.boulder.ibm.com/infocenter/db2help/index.jsp.

Alternatively, you can install a local copy of the DB2 Information Center, which is included with the product as a separately installable image. If you install a local copy, you should download the latest update before using your local copy. Updating your Information Center provides a current copy of the documentation and also adds capabilities that improve searches for DB2 message information. For instructions, see Updating the DB2 Information Center installed on your computer or intranet server.

The list below highlights topics in the DB2 Information Center of particular interest for product installation, migration, usage, and troubleshooting:

- The *"What's new"* topics describe changes introduced in this version. Particularly relevant to product installation, migration, usage, and troubleshooting are the topics on product packaging, terminology, and changed, deprecated, and discontinued functionality. These topics are available in the DB2 Information Center section entitled *"What's new"*. You can access this section by expanding *Product overviews ->Database systems -> What's new* in the Information Center. In addition, this section contains a document describing the important technical changes for each fix pack.
- The *"Installing"* topics provide information on installation prerequisites. However, for the most up-to-date prerequisite information for DB2 Version 9 for Linux, UNIX, and Windows, see http://www.ibm.com/software/data/db2/udb/sysreqs.html . For the most up-to-date prerequisite information for DB2 Connect, see http://www.ibm.com/software/data/db2/db2connect/sysreqs.html .
- The *"Migrating"* topics provide information on migrating to DB2 Version 9.

Additional resources are available for product installation, migration, usage, and troubleshooting:

- The readme file that is shipped with the fix pack. It contains important considerations about the installation of your DB2 product and other late-breaking news.
- The DB2 database system migration portal at http://www.ibm.com/support/docview.wss?rs=73&uid=swg21200005. It provides you with one place to access all additional resources and up-to-date information about the migration process as they become available. These resources include white papers and sample scripts for migration.
- The DB2 Support Web site at http://www.ibm.com/software/data/db2/udb/support.html. This site includes technotes and service flashes that describe changes to the documentation and information about known limitations discovered after the creation of the Release Notes.

Convention for displaying directory paths in the Release Notes:

Windows systems use backslashes (\) to delimit directories in a directory path. Linux and UNIX systems use forward slashes (/) as delimiters. The Release Notes use these conventions when the information is platform specific. However, when the information is platform independent, the Release Notes use the Windows convention, so if you are running on a Linux or UNIX system, you must enter directory paths differently than shown.

Part 1. Known problems

This section includes information about:

- Temporary limitations, problems, and solutions related to installing the product or using particular product features
- Incompatibilities between the current version of the DB2 product and prior versions
- Incompatibilities between the DB2 product and other products

In some cases, the information states that a particular aspect of a feature is not supported or that a performing a particular action with a feature might result in problems. In these cases, attempts to use the feature might fail, or the results might be useless or harmful.

Chapter 1. Product-wide

db2sampl command might fail with an SQL0443 error

Problem:

The **db2sampl** (create sample database) command might fail with an SQL0443 error if you:

- Specify the **-dbpath** option with a path name longer than 32 characters
- Do not specify the **-schema** option and the CURRENT SCHEMA value contains a space
- Do not specify the **-schema** option and the current user's authorization ID contains a space (Windows systems only).
- Specify the **-schema** option from environments configured for one of the following locales: Russian, German, Finnish, French, or Czech.

Solution:

Try one of the following:

- Issuing the **db2sampl** command with a shorter path value (if you specified the *-dbpath* option)
- Issuing the **db2sampl** command with no options
- Setting the locale to En_US and issuing the **db2sampl** command

Chapter 2. Installation

All platforms

Beta and non-beta versions of DB2 Version 9 products cannot coexist

Problem:

Beta and non-beta versions of DB2 Version 9 cannot coexist on a system. This restriction applies to both client and server components of the product.

Solution:

Uninstall the beta version of DB2 Version 9 before installing the non-beta version.

DB2 Information Center installation

Problem:

When you install the DB2 Information Center, you can choose a service name and port number rather than accepting the default values. If you choose a service name that already exists in the services file on the system and only change the port number, you might receive an error that states *The service name specified is in use*.

Solution:

Try one of the following:
- Use the default values
- Use a service name and port number that are both already in the services file
- Add an unused service name and an unused port number to the services file

Installation directory paths cannot contain National Language characters

Problem:

You cannot install a DB2 product in a path whose name contains National Language characters. National Language characters are characters not found in the English (en_US) character set.

Solution:

Install your DB2 product in a path whose name does not contain National Language characters.

DB2 Embedded Application Server (EAS) is not completely uninstalled

Problem:

The command to uninstall the DB2 Embedded Application Server (EAS) component does not uninstall the component completely. The registry entry and file system directory remain.

Solution:

A solution is provided for each platform.

Solution (Windows):
1. Log in as a user with Windows administrative privileges.
2. Run **regedit** to remove the DB2EAS key located at HKEY_LOCAL_MACHINE —> SOFTWARE —> IBM —> DB2EAS.
3. Remove the Windows system directory where EAS was installed.

Solution (Linux and UNIX):
1. Log in as the root user.
2. Change to the db2_install_path/bin directory.
3. To display the content of the registries, run ./**db2greg -dump**. The entry for EAS is shown below:

   ```
   S,DB2EAS,6.1.0.0,AppServer_install_path,,,,,,,
   ```

   where *AppServer_install_path* is the path where EAS is installed.
4. Run **db2greg -delservrec service=DB2EAS,version=6.1.0.0,installpath=***AppServer_install_path*

   where *AppServer_install_path* is the path where EAS is installed.
5. Remove the file system directory where EAS is installed.

Response file installation using Japanese and Traditional Chinese code sets might display corrupted text

Problem:

During a non-GUI DB2 product installation, corrupted text might be displayed if you use particular combinations of locales and code sets on some platforms. The following combinations are known to display corrupted text:
- Japanese (932 code set) on Windows platforms
- ja_JP.utf8 on Linux platforms
- ja_JP.IBM-eucJP on AIX® platforms
- zh_TW.utf8 on Linux platforms

One message known to display corrupted text is the message that states that an SMTP server has not been specified.

The types of installation affected are **db2_install** and **db2setup -r** *response file* on the Linux and UNIX platforms and **setup -u** *response file* on the Windows platform.

Solution:

None.

Additional details:

The uncorrupted version of the SMTP server message reads as follows: *Notification SMTP server has not been specified. Notifications cannot be sent to contacts in your contact list until this is specified. For more information see the DB2 administration documentation.*

Windows platforms

DB2 First Steps fails to launch (Windows)

Problem:

The DB2 First Steps fails to launch if the default browser is Microsoft Internet Explorer Beta 7.

Solution:

Solution 1: Use another supported browser as the default browser, such as Internet Explorer Version 6.

Solution 2: Run **regedit** and update the registry entry *HKEY_CLASSES_ROOT\htmlfile\shell\open\command* to use lowercase letters. For example, change

```
"C:\Program Files\Internet Explorer\IEXPLORE.EXE" -nohome
```

to the following text:

```
"C:\Program Files\Internet Explorer\iexplore.exe" -nohome
```

DB2 Setup Launchpad might not be displayed (Windows)

Problem:

The DB2 Setup Launchpad is not displayed if you do not set the TEMP directory system variable.

Solution:

Solution 1: Set the TEMP directory system variable for the current session by entering the following command from a command prompt:

```
set TEMP=directory name
```

For example, set TEMP=c:\temp .

Solution 2: Set the TEMP directory system variable to a system-wide variable by completing the following steps:
1. On the Windows Start menu, click **Control Panel.**
2. Double-click **System**.
3. Click the **Advanced** tab.
4. Click **Environment Variables**.
5. Click **New**.

6. Type the name TEMP and its value.

Installation of DB2 Universal Database (UDB) Version 8 after DB2 Version 9 installation is not supported (Windows)

Problem:

Installing a DB2 UDB Version 8 product on a system is not supported if a DB2 Version 9 product is already installed on that system. This problem applies to both client and server installations.

Solution:

To install a copy of DB2 UDB Version 8 when DB2 Version 9 is already installed:
1. Uninstall DB2 Version 9
2. Install DB2 UDB Version 8
3. Reinstall DB2 Version 9

Other details:

For DB2 UDB Version 8 Fix Pack 11 and earlier releases, the DB2 UDB Version 8 DB2 Setup Launchpad does not prevent you from installing Version 8 when Version 9 is already installed. However, doing so will cause problems.

DB2 Client installation restriction for non-Administrator users (Windows Server 2003)

Problem:

By default on a Windows Server 2003 computer, you cannot install a DB2 client if you do not have Administrator authority.

Solution:

An Administrator user must change a System Group Policy before a non-Administrator user can install a client. To do this, an Administrator user needs to enable the 'Disable Windows Installer' setting by completing the following steps:
1. In a command prompt window, type **gpedit.msc** to launch the Group Policy Object Editor.
2. Double-click **Computer Configuration**.
3. Double-click **Administrative Templates**.
4. Double-click **Windows Components**.
5. Double-click **Windows Installer**.
6. Double-click **Disable Windows Installer**.
7. In the Disable Windows Installer Property window, click **Enabled** .
8. Select Never in the Disable Windows Installer list.

Linux and UNIX platforms

Asian fonts might not be displayed correctly (Linux)

Problem:

Asian characters might not be displayed properly.

Solution:

Obtain and install the required fonts. For details, see the DB2 documentation topic entitled *Availability of Asian fonts (Linux).*

Installation path length is approximately 100 bytes (AIX and HP-UX)

Problem:

The maximum length for the installation path name is approximately 100 bytes on AIX and HP-UX PA-RISC platforms. For details on the problem, see the Technote # 1239797 entitled Maximum length of installation path on UNIX and Linux platforms .

Solution:

None.

Chapter 3. Application development

.NET

Use of the DB2 .NET Data Provider DB2DecimalFloat class is temporarily restricted

Problem:

Use of the DB2DecimalFloat class in DB2 .NET Data Provider is subject to the following temporary restrictions:

- A DECFLOAT column in a DB2ResultSet object can be updated only with a value of type DB2DecimalFloat.
- .NET client applications do not support the use of a DB2DecimalFloat out parameter in a stored procedure.
- The SetDB2DecimalFloat method in the DB2ResultSet and DB2UpdateableRecord classes throws an invalid cast exception. You cannot bind DB2DecimalFloat parameter values using this method. DB2Command parameter bindings are unaffected.
- An ArrayIndexOutOfBoundsException can occur when you bind a DB2DecimalFloat, Double, or Decimal parameter value with a precision greater than 16 through a DB2UpdateableRecord to a DECFLOAT(16) column.

Solution:

None. Refer to APAR JR25094 to track the removal of these restrictions.

Java

Result returned by DatabaseMetaData.getDriverName has changed

Problem:

In DB2 Version 9, the name of the DB2 Universal JDBC Driver changed to the IBM DB2 Driver for JDBC and SQLJ. However, the JDBC DatabaseMetaData.getDriverName method returns the string "IBM® DB2 JDBC Universal Driver Architecture" for the driver name.

Solution:

None.

Chapter 4. Administration

The system monitor

Inactive statement tracking for deadlock with details history event monitors

Problem:

When running with a new deadlock event monitor that tracks all statements (and optionally data values) it becomes possible for a badly behaving application (one with very high number of statements in a unit of work) to exhaust the system monitor heap. It is also possible for the monitor heap to become exhausted if there are a large number of applications executing concurrently.

Solution:

To ease the consumption of space, inactive statements are written out to the event monitor when the number of statements for a particular application reaches a defined threshold. After being written to the event monitor, the memory consumed by these inactive statements is released. In addition, an application will write out all of its current inactive statements to the event monitor if at any time it is unable to acquire memory from the system monitor heap. The application will then attempt to acquire memory again. If the second attempt fails, a message is logged, and the information that was to be saved in the memory is not included in the statement history information being gathered for the unit of work (UOW) in which the application is processing.

The default limit on the number of inactive statements kept by any one application is 250. This default value is overridden by using the registry variable DB2_MAX_INACT_STMTS to specify a different value. You may want to choose a different value for the limit to either increase or reduce the amount of system monitor heap used for inactive statement information.

With this behavior, an application might now record its statement history entries to the deadlock event monitor outside the context of a deadlock (when one of the thresholds mentioned above is reached). When this occurs, there is a way to associate these entries to the list of statements recorded at the time of a deadlock for analysis. To do this, you must look for any statement history entries that have one of the following values:
- deadlock_id = 0
- participant_no = 0
- sequence_id = sequence id of the deadlock
- application_id = application identifier of the application that participated in the deadlock

Any entries in the event monitor output that do not meet this criteria can be ignored for the purposes of diagnosing the deadlock.

In the case when writing to a table event monitor, the number of evmon_activates will also need to be checked.

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Additional Details:

- For SQL statements compiled using the REOPT ALWAYS bind option, there are no reoptimization compilation or statement execution data values provided in the deadlock event information.
- At coordinator nodes, when inactive statements are written to the event monitor due to the conditions described in the previous section, the sequence values of all records written are changed to reflect the current unit of work in process. This is done to help reconciliation of this data with any data generated later in the same unit of work by a deadlock. All the relevant data can be gathered by searching for the sequence number and application ID information for those records with a deadlock_id of 0. This change does mean that the unit of work information for statements started in a preceding unit of work but still active in the current work will not be available as the sequence number will be overwritten by the current unit of work identifier. This behavior does not occur at remote nodes (that is, the original unit of work information is not overwritten) and so care must be taken when trying to reconcile deadlock event records from non-coordinator nodes with any records written out prior to the deadlock as the sequence numbers might differ if there are active cursors with hold from previous units of work involved.

SQL DDL

Database partition group DDL

Problem:

Issuing an ALTER DATABASE PARTITION GROUP statement to add a range of database partitions that includes database partition *n* and then issuing another ALTER DATABASE PARTITION GROUP statement to add a different range of database partitions can cause problems. These problems occur when the second statement includes a LIKE DBPARTITIONNUM *n* clause. For example, the instance is suspended and the database is marked bad if you issue this sequence of statements:

```
ALTER DATABASE PARTITION GROUP <db-partition-name>
  ADD DBPARTITIONNUMS (
    <db-partition-number1> TO <db-partition-number2>
-- a range that includes database partition number <n>
  ) WITHOUT TABLESPACES

ALTER DATABASE PARTITION GROUP <db-partition-name>
  ADD DBPARTITIONNUMS (
    <db-partition-number1> TO <db-partition-number2>
-- a range that is different from the range specified in the previous statement
  ) LIKE DBPARTITIONNUM <n>
```

Solution:

None.

Setup required before using the CREATE DATABASE ON path command (Windows)

Problem:

To use the CREATE DATABASE command with the ON *path* option on Windows, you need to first perform some setup.

Solution:

Enable the feature by setting a new registry variable, DB2_CREATE_DB_ON_PATH, to ″ON.″

Other details:

Error messages might be returned when the following conditions are met:
- If you do not set DB2_CREATE_DB_ON_PATH or you set it to NO and if you specify a path as the database path when creating or restoring a database, the error message SQL1052N is returned.
- If you do not set DB2_CREATE_DB_ON_PATH or you set it to NO and you update the DFTDBPATH database manager configuration parameter, the error message SQL5136N is returned.

The registry variable DB2_CREATE_DB_ON_PATH is also part of the SAP aggregate registry variable DB2_WORKLOAD. The DB2_CREATE_DB_ON_PATH registry variable is ON by default for SAP.

If you use path support when creating new databases, applications written before Version 9 that use the db2DbDirGetNextEntry API (or an older version of the API) might not work correctly. Refer to Technote # 1238742 for details.

The following database macros and structures are deprecated beginning in DB2 Version 9, and might be removed in a future release. The replacement appears in parentheses following each deprecated item. The replacements are common to the Windows, Linux and UNIX platforms:
- SQL_DRIVE_SZ (SQL_DB_PATH_SZ)
- sqledinfo (db2DbDirInfoV9)
- db2DbDirInfo (db2DbDirInfoV9)
- db2DbDirNextEntryStruct (db2DbDirNextEntryStructV9)

National language support

Indic characters might not be displayed correctly in GUI tools

Problem:

Indic characters might not be displayed properly in GUI tools.

Solution:

Obtain and install the required fonts. For details, see the DB2 documentation topic entitled ″*Displaying Indic characters in the DB2 GUI tools*″.

Other administration topics

Control Center View Storage function does not support the XML storage object

Problem:

The View Storage function of the Control Center does not support the new XML storage object. This problem occurs in XML-enabled databases only.

Solution:

None.

Notification contacts can only be specified using the Notification Tab of the Task Center

Problem:

Clicking the Contacts icon or using the **Contacts** choice from the Tools menu on the Task Center causes the Task Center to hang and requires the Control Center to be restarted.

Solution:

To create or change a notification contact:
1. Double-click on task from the Task Center window to display the task properties window.
2. Click the Notification tab to display the Notification page where you can add the contact names.

Chapter 5. Add-on products and features

Query Patroller

Scheduling feature cannot save schedules to a file

Problem:

The Query Patroller scheduling feature cannot save schedules to a file. The problem is due to an incompatibility with the IBM Software Developer's Kit for Java™ level used in this version of the DB2 product

Solution:

None.

Unavailability of ports might cause an SQL error (Windows)

Problem:

Submitted queries in Query Patroller might receive SQL code -29007 when there are no available ports on Windows XP or Windows 2003. The likelihood of this error increases as the number of clients accessing Query Patroller increases.

Solution:

Set the following Windows registry variables as follows:
```
MaxUserPort=65534
TcpTimedWaitDelay=30
```

and restart your system for the changes to take effect.

You can find details about setting Windows registry variables on the Microsoft Help and Support Web site at http://support.microsoft.com/.

Part 2. Documentation updates

Chapter 6. Product-wide

Discontinued functionality

The "What's new" information includes a section on functionality that is discontinued in this release. Some descriptions of functionality that is discontinued still appear in other parts of the product documentation; ignore these references.

Error message updates

Any important, late changes to the product error messages are available in DB2 Service Technote #1238566.

Description of the SALES table data

The data in the SALES table included in the SAMPLE database has been updated for Version 9, but the description of this table in the documentation does not show the updated values.

Chapter 7. What's new

New binder options information missing from Fix Pack 1 Summary

The *"What's new in Fix Pack 1"* summary topic is missing information about new DB2Binder options for the IBM DB2 Driver for JDBC and SQLJ. For details on these new options, see the Java topic in the "Application Development" documentation updates section.

DB2 LDAP authentication plug-ins Web site

You can download the IBM DB2 LDAP authentication plug-in modules, samples, and documentation on the configuration and usage of the plug-ins from www14.software.ibm.com/webapp/iwm/web/preLogin.do?lang=en_US &source=swg-dm-db2ldap.

Chapter 8. DB2 Connect

Release notes roadmap for DB2 Connect users

In this document, DB2 Connect users should review the topics in the "Application development" sections (known problems and documentation updates).

Chapter 9. Query Patroller

Query class behavior update

An incorrect warning message is returned when you use the Query Patroller Center or Query Patroller command line to perform one of the following tasks while the Query Patroller server is running:

- Adding a query class
- Removing a query class
- Updating the maximum cost of a query for a query class

The warning message is as follows:

```
DQP1024W Creation, change, or removal of a query class
will not take effect until the Query Patroller server is restarted.
```

This message is no longer accurate. The three query class tasks will take effect immediately unless there are queued or running queries. If there are queued or running queries, including newly submitted queries, the query class changes will take effect when the queued or running queries complete. If you do not want to wait for all queued and running queries to be completed, you must restart the Query Patroller server.

Note: Updating the maximum number of queries for a query class always takes effect immediately.

Group support for query submission

The documentation is missing information that can help clarify the choices in the **Submitter Profile to Use** drop-down list in the Query Submission Preferences window of the Query Patroller Center.

If you are logged in, but do not have either DBADM authority or Edit privilege for Query Patroller user administration, you can only add or update a submission preference for yourself. In this case, the **Submitter Profile to Use** drop-down list contains existing submitter profiles of the DB2 groups that you belong to, instead of just the operating system groups that you belong to.

If you are logged in, and have either DBADM authority or Edit privilege for Query Patroller user administration, you can add or update submission preferences for other users. In this case, the **Submitter Profile to Use** drop-down list contains all existing group submitter profiles.

Chapter 10. Installation

Query Patroller server installation

The Query Patroller documentation is missing the following information:

- If you select **Computer usage based** from the Select the installation type window using the DB2 Setup wizard and you select **Server** from the Select how this computer will be used window, the Query Patroller Center is not installed. If you want to install the Query Patroller Center, select either the **Complete** or the **Custom** installation types from the Select the installation type window.
- You do not have to use the **Computer usage based** installation type to install the Query Patroller server. You can use either the **Complete** or the **Custom** installation types to install the Query Patroller server.
- Query Patroller Client Tools must connect to a partition on which the Query Patroller server is installed.

Definition of new database partition group in Query Patroller

The Query Patroller documentation is missing the following information:

When you define a new table space during Query Patroller installation in a partitioned environment, you can select an existing database partition group. Alternatively, you can set up a new database partition group for the new table space. If you choose to set up a new database partition group, you can select only one database partition from the list on the install panel for that new database partition group. If you want to add partitions into the new database partition group, you must add them manually after the installation is complete.

Query Patroller client tools installation

The Query Patroller documentation is missing the following information:

You do not need to install Query Patroller Client Tools on a DB2 client if you only want to submit queries from that client to the Query Patroller server. You only need to install Query Patroller Client tools on a DB2 client if you need to run the Query Patroller client tools from that client machine.

Installation of Query Patroller and Fix Pack 1 or later

The Query Patroller documentation is missing the following information:

- The fix pack level of DB2 Query Patroller must match the fix pack level of the DB2 server product already installed. If they are not the same, go to the DB2 support web site and download the correct Query Patroller install image. Installation scenarios in which the fix pack levels of DB2 Query Patroller do not match the level of the DB2 server product are not supported.
- After installation, register DB2 Query Patroller using the **db2licm** command. The license key for Query Patroller is available on the Activation CD which is part of the set of CDs available with the Query Patroller product that you purchased. You need to use the appropriate license for the DB2 Version 9 Feature installed on the system. For more information, see "Registering a DB2 product or feature license key using the db2licm command" in the Information Center.

Chapter 11. Application development

Trusted connection support for CLI

The capability to create trusted connections using CLI is available with Fix Pack 1. The restriction documented in the previous version of the Release Notes no longer applies. For information on this feature, see the DB2 Information Center at http://publib.boulder.ibm.com/infocenter/db2help/index.jsp.

Java

DB2Xml interface

The documentation on the DB2Xml interface contains some incorrect information. The following DB2Xml interface methods have been renamed:

- The close () method is renamed to closeDB2Xml ().
- The isClosed () method is renamed to isDB2XmlClosed ().

JDBC connection pooling

The documentation related to JDBC connection pooling contains some information about functionality that is discontinued in this release:

- The connectionReuseProtocol property has been removed.
- The following DB2Connection methods have been removed:

```
recycleDB2Connection:
public void recycleDB2Connection()
reuseDB2Connection (untrusted reuse without reauthentication):
 public DB2Connection reuseDB2Connection()
 public DB2Connection reuseDB2Connection(
   int  connectionReuseProtocol,
    java.util.Properties properties)
 public DB2Connection reuseDB2Connection(
   int connectionReuseProtocol)
```

- The following DB2PooledConnection methods have been removed:

```
getDB2Connection (untrusted reuse without reauthentication):
  public DB2Connection reuseDB2Connection(
  int  connectionReuseProtocol,
  java.util.Properties properties)
recycleDB2Connection:
public void recycleDB2Connection()
```

useTargetColumnEncoding property

Documentation related to the useTargetColumnEncoding property for DataSource is obsolete. This property has been removed from the IBM DB2 Driver for JDBC and SQLJ.

New binder options for the IBM DB2 Driver for JDBC and SQLJ

The *"DB2Binder utility"* topic is missing the following documentation for three new binder options available with Fix Pack 1:

-reopt
>   Specifies whether DB2 for z/OS database servers determine access paths at run

time. This option is valid only for connections to DB2 for z/OS database servers. This option is not sent to the database server if it is not specified. In that case, the database server determines the reoptimization behavior.

none   Specifies that access paths are not determined at run time.

always
        Specifies that access paths are determined each time a statement is run.

once   Specifies that DB2 determines and caches the access path for a dynamic statement only once at run time, or until the prepared statement is invalidated or removed from the dynamic statement cache and needs to be prepared again.

-blocking
    Specifies the type of row blocking for cursors.

all   Specifies that the database server performs blocking for JDBC read-only or ambiguous cursors. An ambiguous cursor is any cursor that is not explicitly specified as FOR READ ONLY or FOR UPDATE in the cursor's declaration. This is the default.

unambig
        Specifies that the database server performs blocking for JDBC read-only cursors.

no   Specifies that the database server does not perform blocking for JDBC cursors.

-encoding
    Specifies the application encoding for the IBM DB2 Driver for JDBC and SQLJ packages. This option is valid only for connections to DB2 for z/OS database servers.

ebcdic   Specifies that the application encoding is EBCDIC. This is the default.

ascii   Specifies that the application encoding is ASCII.

unicode
        Specifies that the application encoding is Unicode.

Chapter 12. Administration

Registry variables

The following changes apply to the documentation on registry variables:

- Documentation is added for the DB2_OLAP_BUFFER_SIZE and DB2_MAX_INACT_STMT registry variables. You can find information about these variables by looking in the DB2 9 Information Center at http://publib.boulder.ibm.com/infocenter/db2help/index.jsp or by downloading the Fix Pack 1 documentation updates. For instructions on how to refresh the content of a locally-installed Information Center, see Updating the DB2 Information Center installed on your computer or intranet server.
- Ignore all references to the DB2_OPTPROFILE registry variable in the documentation.

Appendix A. Contacting IBM

To contact IBM in your country or region, check the IBM Directory of Worldwide Contacts at http://www.ibm.com/planetwide

To learn more about DB2 products, go to http://www.ibm.com/software/data/db2/.

Appendix B. Notices

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