

DB2[®] Universal Database[™]



Release Notes

Version 8

DB2[®] Universal Database[™]



Release Notes

Version 8

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About the Release Notes

Content:

The release notes contain the latest information for the following Version 8 products:

- DB2® Universal Database Personal Edition (PE)
- DB2 Universal Database™ Workgroup Server Edition (WSE)
- DB2 Universal Database Workgroup Server Unlimited Edition (WSUE)
- DB2 Universal Database Enterprise Server Edition (ESE)
- DB2 Personal Developer's Edition (PDE)
- DB2 Universal Developer's Edition (UDE)
- DB2 Warehouse Manager (WHM)
- DB2 Warehouse Manager Sourcing Agent for z/OS™
- DB2 Data Links Manager (DLM)
- DB2 Net Search Extender (NSE)
- DB2 Spatial Extender (SE)
- DB2 Intelligent Miner™ Scoring (IM)
- DB2 Intelligent Miner Modeling (IMM)
- DB2 Intelligent Miner Visualization (IMV)
- DB2 Connect™ Personal Edition (CPE)
- DB2 Connect Enterprise Edition (CEE)
- DB2 Connect Unlimited Edition (CUE)

Structure:

The release notes are divided into two sections:

The first part, “Known Problems and Workarounds,” contains a set of information specific to this release. You should read this part to become familiar with any known outstanding issues with this release of the DB2 product family.

The second part, “Documentation updates,” contains summaries of all updates to since the DB2 PDFs were printed and the documentation was finalized. The most up-to-date topics are available by using the DB2 Information Center accessed through a browser. When using the DB2 Information Center accessed through a browser to view this information, a revision bar (|) indicates text that has been added or changed since the PDFs and printed documentation was finalized. The third part, “Online help updates,” contains some corrections and updates to the information available in the product online help.

Additional resources:

Documentation for the DB2 Life Sciences Data Connect product is available for download from the IBM software site:
<http://www.ibm.com/software/data/db2/lifesciencesdataconnect/library.html>.

For the latest information about the DB2 family of products, obtain a free subscription to *DB2 Magazine*. The online edition of the magazine is available at <http://www.db2mag.com>; instructions for requesting a subscription are also posted on this site.

Part 1.

Known limitations, problems and workarounds

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The following are the currently known limitations problems and workarounds for DB2[®] UDB Version 8. The information in this section applies only to Version 8.1 release of DB2 UDB, and its supporting products. Any limitations and restrictions may or may not apply to future other releases of the product.

Product and product-level support

Back-level server support

If you need to migrate your client systems to version 8 before you migrate all of your servers to version 8, there are a several restrictions and limitations. These restrictions and limitations are not associated with DB2 Connect[™] or with the zSeries, OS/390, or iSeries[™] database servers.

For version 8 clients to work with version 7 servers, you need to configure and enable the use of DRDA[®] application server capability on the version 7 server. For information on how to do this, refer to the version 7 *Installation and Configuration Supplement*.

You should migrate all of your servers to version 8 before you migrate any of your client systems to version 8 in order to avoid these restrictions. If this is not possible, then you should know that when accessing version 7 servers from version 8 clients, there is no support available for:

- Some data types:

- Large object (LOB) data types
- User-defined distinct types
- DATALINK data types

The DATALINK data type allows for the management of external data found in non relational storage. The DATALINK data type references files that physically reside on file systems external to DB2 Universal Database.
- Some security capabilities:
 - Authentication type SERVER_ENCRYPT.

SERVER_ENCRYPT is a method to encrypt a password. The encrypted password is used with the user ID to authenticate the user.
 - Changing passwords.

You are not able to change passwords on the Version 7 server from a Version 8 client.
- Certain connections and communication protocols:
 - Instance requests that require an ATTACH instead of a connection

ATTACH is not supported from a Version 8 client to a Version 7 server.
 - Network protocols is other than TCP/IP

(SNA, NetBIOS, IPX/SPX, and others).
- Some application features and tasks:
 - The DESCRIBE INPUT statement for all applications except ODBC/JDBC.

In order to support Version 8 clients running ODBC/JDBC applications that access Version 7 servers, a fix for DESCRIBE INPUT support must be applied to all Version 7 servers where this type of access is required. This fix is associated with APAR IY30655. Use the “Contacting IBM®” information in any DB2 documentation set (PDF or HTML) to find out how to get the fix associated with APAR IY30655.

The DESCRIBE INPUT statement is a performance and usability enhancement that allows an application requestor to obtain a description of input parameter markers in a prepared statement. For a CALL statement, this includes the parameter markers associated with the IN and INOUT parameters for the stored procedure.
 - Two-phase commit.

The Version 7 server cannot be used as a transaction manager database when using coordinated transactions that involve Version 8 clients, nor can a Version 7 server participate in a coordinated transaction where a Version 8 server may be the transaction manager database.
 - XA-compliant transaction managers

An application using a Version 8 client cannot use a Version 7 server as an XA resource. This includes WebSphere, Microsoft® COM+/MTS, BEA WebLogic, and others that are part of a transaction management arrangement.

- Monitoring
- Utilities

Those utilities that can be initiated by a client to a server.

- SQL statements greater than 32 KB in size.

There are similar limitations and restrictions for version 8 tools working with version 7 servers.

The following Version 8 tools, products, and centers support only Version 8 servers:

- Control Center
- Health Center (including the Web version of this center)
- Indoubt Transaction Manager
- Information Catalog Center (including the Web version of this center)
- Journal
- License Center
- Satellite Administration Center
- Spatial Extender
- Task Center
- Tools Settings

The following Version 8 tools support Version 7 servers (with some restrictions):

- Configuration Assistant import/export configuration file
- Data Warehouse Center
- Replication Center
- Command Center (including the Web version of this center)
Saving, importing and scheduling of scripts are not supported by the Command Center.
- SQL Assist
- Development Center
- Visual Explain

In general, any Version 8 tool that is only launched from within the navigation tree of the Control Center, or any details view based on these tools,

will not be available or accessible to Version 7 and earlier servers. You should consider using the Version 7 tools when working with Version 7 or earlier servers.

DB2 UDB version 7 server access

To access a DB2 UDB Version 7 server on a Linux, UNIX, or Windows operating system from a Version 8 client, you must have Version 7 FixPak 8 or later installed on your server and have run the `db2updv7` command. For instructions on installing FixPaks, refer to the FixPak Readme and Release Notes documentation.

Classic Connect unavailable

The Classic Connect product is *not* available. Although you may find references to the Classic Connect product in the Data Warehouse documentation and elsewhere, these should be ignored, as they are no longer applicable.

Data Warehouse Center not available for Simplified Chinese

The Data Warehouse Center is unavailable in Simplified Chinese.

Data Warehouse Center down-level server support restrictions

The following limitations exist for down-level server support for DB2 Enterprise Server Edition Version 8 Data Warehouse Center:

LOB support

- If you are using a warehouse control database on a server that is older than DB2 Enterprise Server Edition Version 8 you will not be able to work with LOBs. You must upgrade the warehouse control database to the correct level, or move the control database to the system where the DB2 Enterprise Server Edition Version 8 warehouse server is installed and use it locally from that system.
- If you want to move LOBs back and forth between the Data Warehouse Center and DB2, you must upgrade to DB2 Enterprise Server Edition Version 8.

SNA support

If you use SNA to connect to your warehouse sources and targets, you must change the configuration to be TCP/IP over SNA, or use the Windows[®] NT warehouse agent.

Support for EXPORT and LOAD utilities

When you upgrade your warehouse agent, you must also upgrade your source target databases, or replace the EXPORT and LOAD utilities in your warehouse processes with SQL Select and Insert steps. SQL Select and Insert steps use a DELETE* command followed by SELECT and INSERT commands. SQL Select and Insert steps require

the database to log all transactions. As a result, the performance for SQL Select and Insert steps is not as efficient as it is for EXPORT and LOAD utilities.

DB2 Administration Server

On AIX[®] 5L, if the tools catalog database is created in a 64-bit instance, DAS migration (dasmigr) and downlevel Script Center and Journal are not supported.

DB2 license policy for DB2 Workgroup Server Edition

Although the *DB2 Quick Beginnings for Servers* book, and the online help for the License Center indicate otherwise, the Internet license policy is *not* valid for DB2 Universal Database Workgroup Server Edition. If you need a license for Internet users, you must purchase DB2 Universal Database[™] Unlimited Workgroup Server Edition.

DB2 Web Tools

For the following languages: Japanese, Korean, Simplified Chinese, Traditional Chinese, Russian, and Polish, the application servers supported by DB2 Web Tools are required to be compliant with Servlet 2.3 specification.

DB2 Warehouse Manager not available for Simplified Chinese

The DB2 Warehouse Manager is unavailable in Simplified Chinese. Therefore, the following dependent DB2 components are also unavailable in this environment:

- The Information Catalog Center, which is dependent on the Manage Information Catalog wizard component of DB2 Warehouse Manager.
- The DB2 Warehouse Manager Connector for the Web and the DB2 Warehouse Manager Connector for SAP, which are dependent on the installation of the DB2 Warehouse Manager.

Development Center does not support 64-bit operating systems

The Development Center cannot run on a 64-bit operating system. In addition, you cannot connect to or deploy routines on a 64-bit operating system.

Development Center on the Intel 32-bit Linux operating system

You cannot use the Development Center to debug Java[™] stored procedures running on the Intel 32-bit Linux operating system.

Development Center large object (LOB) support (z/OS, OS/390)

The Development Center does not support large object data types (LOBs) on DB2 version 6 for the z/OS[™] or OS/390[®] operating systems. However, the Development Center does support LOBs on these systems for DB2 version 7 with APAR PQ46957 applied.

Development Center supports the Windows 98 operating system

The Development Center is supported on the Windows 98 operating system

Federated systems restrictions

DB2 Relational Connect and DB2 Life Sciences Data Connect:

IBM is restructuring and enhancing its offerings to focus on information integration. These activities will include introducing new functionality that replaces and extends federated functionality previously available with DB2 Relational Connect and DB2 Life Sciences Data Connect. Details will be announced later. Customers accessing federated data sources using DB2 Relational Connect Version 7 or DB2 Life Sciences Data Connect Version 7 should wait until this new functionality is available before upgrading to DB2 Universal Database Version 8.1. DB2 Universal Database Version 8.1 has built-in capability to federate relational data across the IBM family of databases, including DB2 and Informix™ IDS. Customers who only want to use federated data from DB2 and Informix IDS can begin upgrading to Version 8.1.

Migrating federated systems from DB2 for UNIX and Windows Version 7 and DataJoiner:

IBM is restructuring and enhancing its offerings to focus on information integration. These activities will include introducing new functionality that replaces and extends federated functionality previously available with DB2 Relational Connect, DB2 Life Sciences Data Connect, and DataJoiner. Details will be announced later.

- Customers using DataJoiner® Version 2.1.1 will not be able to upgrade to DB2 Universal Database Version 8.1 until this new functionality is available.
- Customers using DB2 Universal Database Version 7 to access **only** the DB2 family of products and Informix can upgrade from Version 7 to Version 8.1. If you are using DB2 Universal Database Version 7 to access any other data sources, it is recommended that you upgrade when the new information integration functionality is available. If you decide to upgrade to DB2 Universal Database Version 8.1, you will be able to access only DB2 family of products and Informix data sources. The wrappers to any other data sources will not work. See the list of unsupported data sources.

The most current information about migrating your Version 7 federated system to DB2 for UNIX® and Windows Version 8.1 is available on the DB2 Relational Connect web site: www.ibm.com/software/data/db2/relconnect/

For users of DB2 for UNIX and Windows Version 7.2 federated databases:

To successfully create nicknames for DB2 for UNIX and Windows Version 8 tables and views, you must apply the DB2 for UNIX and Windows Version 7.2 Fixpak 8 on your DB2 for UNIX and Windows Version 7.2 federated database. If you do not apply Fixpak 8 on your DB2 for UNIX and Windows Version 7.2 federated database, an error will occur when you access the nicknames.

LONG VARCHAR and LONG VARGRAPHIC support:

The federated documentation indicates that the LONG VARCHAR and LONG VARGRAPHIC data types used by the DB2 family of products are unsupported. This is not entirely accurate. You can create nicknames for DB2 for UNIX and Windows data source objects that contain LONG VARCHAR and LONG VARGRAPHIC data type columns. These remote columns will be mapped to DB2 for UNIX and Windows LOB data types. For the other DB2 family of products, you can create a view that omits or recasts these data types and then create a nickname for the view.

WITH HOLD cursors:

You can use the WITH HOLD semantics on a cursor defined on a nickname or in a PASSTHRU session. However, you will receive an error if you try to use the semantics (with a COMMIT) and the data source does not support the WITH HOLD semantics.

Unsupported data sources:

The following data sources are not supported in Version 8.1:

- DB2 Server for VM and VSE
- Microsoft SQL Server
- ODBC
- Oracle
- Sybase
- BLAST
- Documentum
- Microsoft Excel
- table-structured files
- XML-tagged files

Although these data sources are described in the federated systems documentation, they are not supported at this time.

Unsupported products:

The following products are not supported in Version 8.1:

- DB2 Relational Connect
- DB2 Life Sciences Data Connect

Although these products are described in the federated systems documentation, they are not supported at this time.

Unsupported operating systems:

Federated systems are not supported on the Windows ME operating system.

Setting up the federated server to access data sources:

The COMPACT installation option does not install the necessary access to the DB2 family or Informix data sources. You must use the TYPICAL or CUSTOM installation to access the DB2 family data sources. The CUSTOM installation option is the only option you can use to install access to both the DB2 family and the Informix data sources.

64-bit federated servers:

64-bit federated servers are not supported in Version 8.1.

Cataloging DB2 family data sources in the federated system database directory:

When the name of the remote DB2 database is more than 8 characters, it is necessary to create a DCS directory entry.

An example of cataloging an entry in the DCS directory for the database using the CATALOG DCS DATABASE command is:

```
CATALOG DCS DATABASE SALES_DB2DB400 AS SALES400
```

where:

SALES_DB2DB400

Is the name of the remote database you entered in the CATALOG DATABASE command.

AS SALES400

Is the name of the target host database that you want to catalog.

High availability function is included in DB2 Universal Database Workgroup Server Edition

Though it is not mentioned explicitly in the Quick Beginnings documentation, the high availability function of the DB2 Universal Database Enterprise Server Edition is included in the DB2 Universal Database Workgroup Server Edition.

License Center back-level versions not supported

If a version 7 License Center attempts a connection to a version 8 server, the License Center receives an “SQL1650 - Function not supported” error message indicating that the connection is not supported.

Microsoft XP fix needed on 64-bit operating systems

If you are using the Microsoft XP operating system (2600) configured to use the NETBIOS protocol with the DB2 family of products, you need to obtain a hotfix from Microsoft. Contact Microsoft with the Q article number Q317437.

MVS not supported

Despite being mentioned in the documentation, MVS™ is no longer supported by DB2 Universal Database.

Net Search Extender

Although it is not presently supported, Net Search Extender will be supported on Windows .NET Server 2003 in a future release.

XML Extender

XML Extender is currently supported only on version 8 and version 9 of the Solaris Operating Environment. XML Extender will also be supported on Windows .NET Server 2003 in a future release.

Windows XP operating systems

The Windows XP Professional and Home Edition operating systems are only supported by Personal Edition products.

Configuration Assistant

Unsupported bind options

The Configuration Assistant does not support the following bind options:

- CALL RESOLUTION
- CLIPKG
- CNULREQD
- DBPROTOCOL
- ENCODING
- MESSAGES
- OPTHINT
- OS400NAMING

- GENERIC
- IMMEDIATE
- KEEP DYNAMIC
- PATH
- SORTSEQ
- TRANSFORM_GROUP
- VALIDATE
- VARS

DB2 Backup and Restore

Backup and restore on Linux 390 operating systems

Backup and restore using multiple tape devices may not work if you are using the Linux 390 operating system.

DB2 Data Links Manager

Data Links server backup fails using Tivoli Storage Manager archive server (AIX, Solaris Operating Environment)

Problem: During the installation of or migration to DB2 Data Links Manager Version 8.1, a Data Links File Manager (DLFM)-initiated backup of Data Links server data to a Tivoli® Storage Manager archive server fails. One of the following sets of error messages are shown, either on-screen or on the installation status report:

```
DLFM129I: Automatic backup of DLFM_DB database has been triggered.  
         Please wait for the backup to complete.
```

```
DLFM901E: A system error occurred. Return code = "-2062".  
         The current command cannot be processed.  
         Refer to the db2diag.log file for additional information.
```

— or —

```
DLFM811E: The current DLFM database could not be backed up.  
         SQL code = "-2062", Return code = "-2062"
```

```
DLFM901E: A system error occurred. Return code = "-2062".  
         The current command cannot be processed. Refer to the db2diag.log file for additional information.
```

Cause: The DB2 Data Links Manager Installer program failed to set the variables required to use Tivoli Storage Manager as an archive (backup) server for a Data Links server machine.

Tip: If you want to use Tivoli Storage Manager as an archive server, and you have not yet installed or migrated to DB2 Data Links Manager Version 8.1, you can prevent this problem from occurring. First, do not use the "Tivoli Storage Manager" backup option from the Installer program. Then, manually

configure the Data Links Manager Administrator's profile to include the appropriate Tivoli Storage Manager variables, as described in step 2), below. After you have done both of these tasks, you can proceed with the installation or migration.

Workaround: Perform the following tasks in the order listed.

1. Back up the DLFM database using this command: `db2 backup <dl_fm_db><path>`.
 - `<dl_fm_db>` is the name of the DLFM database. In most cases, the database is called `DLFM_DB`.
 - `<path>` is the directory path to the backup storage location of your choice.
2. Manually configure the Data Links Manager Administrator's profile to include the appropriate Tivoli Storage Manager variables. The manual configuration procedure and the required variables are described in the following documentation topics:
 - Using Tivoli Storage Manager as an archive server (AIX)
 - Using Tivoli Storage Manager as an archive server (Solaris Operating Environment)

You can find these topics either online in the DB2 Information Center, or in the "System Management Options" chapter of the *DB2 Data Links Manager Administration Guide and Reference*.

- If you are completing a new installation of DB2 Data Links Manager Version 8.1, you are done.
 - If you are migrating to DB2 Data Links Manager Version 8.1, proceed to the next step.
3. Re-run the Migration Utility program, **db2dlmmg**.

DB2 Replication

Java Administrative API documentation for DB2 Data Replication

If you are developing applications using the administrative functions available in DB2 DataPropagator, you can obtain documentation for the relevant administrative Java APIs by contacting IBM support.

Column mapping restrictions and the Replication Center

You cannot map an expression in a source table to a key column in a target table if the `TARGET_KEY_CHG` column of the `IBMSNAP_SUBS_MEMBER` table is "Y" for that target table. This means that when using the Replication Center to create a subscription-set member, you should not select the option

Let the Apply program use before-image values to update target-key columns if a key column in the target table is mapped to an expression in the source table.

Replication Center restrictions on iSeries systems

When using the Replication Center, you cannot perform administrative tasks in IASPs on iSeries systems.

Data Warehouse Center

Japanese names of remote objects

Schema, table, and column names of remote sources in Japanese cannot contain certain characters. Unicode mapping differences may cause the names to be null. See <http://www.ingrid.org/java/i18n/encoding/ja-conv.html> for more information.

Restrictions for the Clean Data transformer

Linking restrictions:

You cannot link any OS/390 data resources such as tables or views with a new Clean Data step. You can still link OS/390 data resources with the deprecated programs Clean Data step.

Parameter restrictions:

For the Find and Replace parameter: If your new Clean Data transformer rules table contains different data types for the Find and Replace columns, you must change the Target column data type in both the Target Table properties page and the Column Mapping page before you promote the transformer to test mode.

For the Discretize parameter: If your new Clean Data rules table contains different data types for the Bounds and Replace columns, you must change the Target column data type in both the Target Table properties page and the Column Mapping page before you promote the transformer to test mode.

iSeries platform restrictions:

On the iSeries platform, the new Clean Data transformer does not perform error processing. You can generate the All Matches match type only on the iSeries platform.

Using the warehouse agent for replication and accessing Client Connect warehouse sources

Using the warehouse agent for replication

If the warehouse control database is remote to the client system, you must catalog the control database with the same name, user ID, and password on both the client and the warehouse agent systems. After you catalog the source on both systems, verify that you can connect to the control database. If you cannot connect to the control database, verify that the environment variable DB2COMM on the remote system is set to TCP/IP, and that the port number matches the port number of the node that is cataloged on the client system.

To verify the port number on the remote system, type the following command at a DB2 command prompt:

```
get dbm cfg | grep SVCENAME
```

You specify the port number of the client system when you catalog the node.

Accessing Client Connect warehouse sources using the warehouse agent

When you access a warehouse source that was defined using Client Connect with a warehouse agent, the source must be cataloged with the same name, user ID, and password on both the client and warehouse agent systems. If you are using the ODBC version of the warehouse agent, you must also catalog the source as an ODBC source on both the warehouse agent and client sites. Otherwise, actions that require the warehouse agent to access the warehouse source will fail.

Scheduling a warehouse process to run at intervals

When scheduling a warehouse process to run at intervals, you must determine the longest time it takes to run all the production steps in the process and schedule the intervals accordingly. If a process exceeds the scheduled time interval, all subsequently scheduled occurrences of that process will not run and will not be rescheduled.

Development Center

Development Center server connections (AIX)

If you are using the Development Center and connecting to an AIX server, you will get an error because the default configuration does not allow for concurrent access. See the administrative API reference documentation for information regarding threaded applications with concurrent access.

Development Center online help incorrectly refers to the IBM DB2 application driver as the IBM DB2 Java Combined Client

The Development Center online help incorrectly refers to the IBM DB2 application driver as the IBM DB2 Java Combined Client.

You can use the IBM DB2 application driver for distributed and local cross-platform DB2 access. It is architected to remove dependency on CLI (ODBC).

Documentation

DB2 Replication Guide and Reference documentation

The solutions information at <http://www.ibm.com/software/data/dbtools/datarepl.htm>, referred to in the preface to the *Replication Guide and Reference*, is no longer available.

DB2, Version 8 HTML documentation installation restriction (Windows)

On Windows, do not install the DB2 Version 8 HTML documentation on a workstation or server where a DB2 Version 7 (or earlier) product is already installed. The installer detects the earlier version and removes the earlier product.

A workaround does exist. If you need to install the DB2, Version 8 HTML documentation on a machine where an older version of DB2 is installed, you can manually copy the files and directories from the DB2, Version 8 HTML Documentation CD, rather than using the installer. The DB2 Information Center and full text search will work, but you will not be able to apply any HTML documentation FixPaks.

Documentation search workaround for Microsoft Internet Explorer

The DB2 documentation search capability might not work on Internet Explorer with Java 2. If you use Microsoft Internet Explorer to view the documentation, you have Java 2 installed, and the search does not work, then disable Java 2 in Internet Explorer:

1. Select **Tools** → **Internet Options...** The Internet Options notebook appears.
2. Click the Advanced tab.
3. Clear the **Use Java 2 for <applet>** check box.
4. Click **OK**.

Installation of the DB2 Information Center for languages that are not options during installation

The DB2 Setup wizard does not support the installation of the DB2 HTML documentation in languages that the wizard itself does not support (the languages supported by your product). To install the Information Center in a language other than one supported by the product you are installing:

1. Insert the *DB2 HTML Documentation CD* in your CD-ROM drive.
2. Copy the following directory to your computer:
 - For Windows operating systems:

`d:\lang\`

where *d*: is your CD-ROM drive and *lang* is the code for the language you want to use.

- For UNIX operating systems
/cdrom/language/

where *cdrom* is where you have mounted the CD and *language* is the code for the language you want to use.

It does not matter where you place the folder. You can also view the DB2 HTML documentation directly from the CD. For instructions on how to do so, see the "Viewing technical information online directly from the DB2 HTML Documentation CD" topic in your Quick Beginnings manual.

Notes:

1. To view the documentation, you must use Microsoft Internet Explorer 5.0 or later, or Netscape 6.1 browsers or later.
2. If you install the documentation in this way, you will not be able to use the documentation updater. As well, if you launch the documentation from your product, it will go to the documentation installed as part of your product install, and not the documentation that you copied over manually.

GUI tools

Control Center example plug-in

The Control Center plug-in, `example6.java`, which disables the default buttons in the Database Configuration window, does not work. You cannot use the plug-in to disable the default buttons in the Instance Configuration dialog either. `Example6.java` is found in the `sql1lib\samples\java\plugin` directory.

Displaying Indic characters in the DB2 GUI tools

If you have problems displaying Indic characters when using the DB2 GUI tools, you might not have the required fonts installed on your system.

DB2 Universal Database has packaged the following IBM TrueType and OpenType proportional Indic language fonts for your use. They are located in the `fonts` directory of the *IBM Developer Kit on 64-bit systems for AIX, Java Technology Edition, Version 1.3.1* CD. These fonts are to be used only in conjunction with DB2. You cannot engage in the general or unrestricted sale or distribution of these fonts:

Table 1. Indic fonts packaged with DB2 Universal Database

Typeface	Weight	Font File Name
Devanagari MT for IBM	Medium	devamt.ttf
Devanagari MT for IBM	Bold	devamtb.ttf

Table 1. Indic fonts packaged with DB2 Universal Database (continued)

Typeface	Weight	Font File Name
Tamil	Medium	TamilMT.ttf
Tamil	Bold	TamilMTB.ttf
Telugu	Medium	TeluguMT.ttf
Telugu	Bold	TeleguMTB.ttf

Detailed instructions on how to install the fonts and modify the font.properties file can be found in the Internationalization section of the IBM development kit for Java documentation.

In addition, the following Microsoft products also come with Indic fonts that can be used with our GUI tools:

- Microsoft Windows 2000 operating system
- Microsoft Windows XP operating system
- Microsoft Publisher
- Microsoft Office

GUI tools not supported for zSeries servers running Linux operating systems

With the exception of the DB2 Setup wizard, GUI tools will not work on zSeries™ servers running the Linux operating system. This limitation includes any items normally launched from the Install launchpad, such as the Quick Tour.

If you want to use the GUI tools with one of these systems, install the administrative tools on a client system with a different system configuration, and use this client to connect to your zSeries server.

Load and Import Columns page does not support DBCS characters in IXF files

If you use the Load wizard or Import notebook to set up a load or import from an IXF input file containing DBCS characters, the Columns page will not correctly display the column names contained in the file.

Incorrect indicators given when a load operation fails

If a load fails, but only warnings were returned (not errors), then the task icon will still appear with a green checkmark in the Task Center. Be sure to double-check the success of any loads you carry out.

Minimum display settings for GUI tools

For the GUI tools such as the Control Center to work properly, you must have a screen resolution of at least 800 by 600 dpi, and be using a display palette of at least 32 colors.

SQL1224N error in the product centers

If you are using the product centers on an AIX operating system, you may receive an SQL1224N error. This error is caused by a memory handling problem in DB2. The following work around will help eliminate the error:

Procedure:

To stop the SQL1224N error on AIX operating systems:

1. As the instance owner, run the following commands:

```
export EXTSHM=ON
db2set DB2ENVLIST=EXTSHM
```

2. Restart the instance with the following commands:

```
db2stop
db2start
```

Once the instance restarts with the new environment variable settings, the SQL1224N errors should stop.

Health Monitor

The Indoubt Transactions Existence health indicator (db.indoubt_trans_exist) is not available at this time.

SQL Assist

Enabling the main SQL Assist window when it appears disabled on Windows operating systems

On Windows operating systems, the main SQL Assist dialogue window appears to be disabled when a secondary SQL Assist message window is hidden or covered up by another non-SQL Assist window. The main SQL Assist window is disabled because the hidden secondary window requires user input before the main window can become active again. It might not be possible to access and resolve the hidden window using the mouse.

To enable the main SQL Assist window:

1. Press and hold down the Alt key.
2. While still holding the Alt key, press the Tab key. A window appears showing the windows that the user can switch to.
3. Press the Tab key repeatedly until the SQL Assist secondary window is selected, and then release the Alt key.
4. Provide input or close the SQL Assist secondary window. The main SQL Assist window becomes active.

SQL Assist button disabled in the Command Center

In the Command Center, the SQL Assist button only becomes enabled once a connection has been established.

Two versions of SQL Assist are launched from DB2

You can invoke both version 7 and version 8 of SQL Assist from within DB2 Version 8.1. You can launch version 7 from the DB2 Data Warehouse Center. All other centers launch the latest version 8. The product online help has additional information for SQL assist version 7.

Additional Information

Asynchronous execution of CLI

Asynchronous execution with CLI is not available.

Change in Unicode server behavior

In version 7, Unicode servers ignored any graphic codepages by applications at connect time and assumed that UCS2 Unicode (codepage 1200) was being used. Version 8 Unicode servers now respect the codepage sent by the client.

Java Common Client

The Java type 4 Common Client cannot connect to databases that were created using the HP default character set, Roman8. All SQLj applications, as well as JDBC applications that use the Type 4 driver, must connect to a database created with a different character set. If your LANG is set to "C" or to a "roman8" locale, you must change it to the corresponding ISO locale. For instance, if your LANG is set to de_DE.roman8, it must be changed to de_DE.iso88591:

```
export LANG=de_DE.iso88591
```

To run the DB2 SQLj and JDBC sample programs with the Type 4 driver, you can create the sample database with the following commands (in this case, using the ISO locale for US English):

```
export LANG=en_US.iso88591
db2 terminate
db2samp1
```

Note that if the sample database already exists, you must drop it before executing these commands.

Java functions and routines on UNIX operating systems

Due to incompatibilities between the JVM and DB2 on UNIX platforms, all Java functions and routines will run in FENCED THREADSAFE mode regardless of whether or not the NOT FENCED keyword is used. Java functions defined with the parameter style general, and that use LOB locators

in the parameter definition *will not* function until the NOT FENCED keyword is supported. You must modify these functions to use LOB parameters instead of LOB LOCATORS.

English Microsoft Data Access Components (MDAC) files are used for all national language versions of DB2 V8.1 unless translated MDAC files are installed first.

If you do not install the national language version of MDAC 2.7 prior to installing the national language version of DB2, then DB2 installs English MDAC files by default. This causes the Windows ODBC Data Source Administrator panels to appear untranslated if your operating system is non-English. To fix this problem, you can install the “MDAC 2.7 RTM - Refresh” bundle from the Microsoft website at http://www.microsoft.com/data/download_270RTM.htm. Choose the language that you want to install, download the required executable, and run it. This will install the translated ODBC Data Source Administrator files.

Part 2. Documentation updates (summaries)

What's New?

The following topics have been updated since the publication of the product PDF information. The up-to-date version of the following topics is available in the DB2 information center.

Topic Title	Nature of Update
DB2 tutorials	Updates to links.
DB2 Information Center accessed from a browser	Update on behavior of links from localized Information Centers to English Information Centers.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Product and packaging changes	Data Links Manager functionality is not provided for the DCE-DFS environment in Version 8.
Updating the HTML documentation installed on your machine	Corrections to task steps.
Regularly updated DB2 documentation	Removal of incorrect information on the update method.
JDBC driver enhancements	Update to Universal Driver information.

Guide to GUI Tools for Administration and Development

The following topics have been updated since the publication of the product PDF information. The up-to-date version of the following topics is available in the DB2 information center.

Table 2.

Topic Name	Nature of Update
Control Center	Updates to prerequisites for running the GUI tools.
DB2 tutorials	Updates to links.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.

Installation

Quick Beginnings

The following topics have been updated since the publication of the product PDF information. The up-to-date version of the following topics is available in the DB2 information center.

Table 3. For DB2 Personal Edition

Topic Title	Nature of Update
Cataloging the TCP/IP node on the client	Corrections to procedure for cataloging a TCP/IP node on the client.
Configuring a database connection using the Configuration Assistant (CA)	Additional step added to task.
Configuring a client to server connection using the command line processor	Removal of duplicate information.
Creating client profiles using the export function of the Configuration Assistant (CA)	Corrections to how to create client profiles using the export function of the Configuration Assistant.
DB2 tutorials	Updates to links.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Installing DB2 online documentation (UNIX)	Corrections to CD names.
Updating the HTML documentation installed on your machine	Corrections to task steps.
Migrating instances and databases on DB2 Personal Edition (Linux)	Correction to the maxappls configuration parameter.
Migrating databases on DB2 Personal Edition (Windows)	Correction to the maxappls configuration parameter.

Table 4. For DB2 Servers

Topic title	Nature of update
Configuring a client to server connection using the command line processor	Removal of duplicate information.
Configuring a database connection using the Configuration Assistant (CA)	Additional step added to task.

Table 4. For DB2 Servers (continued)

Topic title	Nature of update
Cataloging the TCP/IP node on the client	Corrections to procedure for cataloging a TCP/IP node on the client.
DB2 clients	Additional information on updating the client.
DB2 tutorials	Updates to links.
Displaying db2setup in your national language	New topic.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Installation overview for DB2 servers (Windows)	Updates to Windows® 2000 Terminal Server and MDAC component information.
Installing DB2 online documentation (UNIX)	Corrections to CD names.
Migration recommendations	Updates to migration considerations.
Migrating databases	Correction to the maxappls configuration parameter.
Updating the HTML documentation installed on your machine	Corrections to task steps.
Setting the DB2 license policy using the db2licm command	Updates to license policy.
Supported DB2 interface languages, locales, and code pages	New topic.
Using the doc_install command to install DB2 documentation (UNIX)	New topic.
User accounts required for installation of DB2 servers (Windows)	Updates to installation directory information for Windows 2000 operating systems.

Table 5. For DB2 Clients

Topic title	Nature of update
Cataloging the TCP/IP node on the client	Corrections to procedure for cataloging a TCP/IP node on the client.
Configuring a client to server connection using the command line processor	Removal of duplicate information.
Configuring a database connection using the Configuration Assistant (CA)	Additional step added to task.

Table 5. For DB2 Clients (continued)

Topic title	Nature of update
Configuring Named Pipes on the client using the CLP	Additional related links.
Creating client profiles using the export function of the Configuration Assistant (CA)	Corrections to how to create client profiles using the export function of the Configuration Assistant.
Configuring client profiles using the import function of the Configuration Assistant (CA)	Corrections to task steps.
DB2 clients	Additional information on updating the client.
DB2 tutorials	Updates to links.
Determining the logical adapter number of the client for the NetBIOS connection	Corrections to task steps.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.
Testing a database connection	Corrections to task steps.

Table 6. DB2 Connect Personal Edition

Topic Name	Nature of Update
Configuring a database connection using the Configuration Assistant (CA)	Additional step added to task.
Configuring client profiles using the import function of the Configuration Assistant (CA)	Corrections to task steps.
Creating client profiles using the export function of the Configuration Assistant (CA)	Corrections to how to create client profiles using the export function of the Configuration Assistant.
DB2 tutorials	Updates to links.
Enabling Multisite Updates using the Control Center	General corrections and additions.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Testing a database connection	Corrections to task steps.

Table 6. DB2 Connect Personal Edition (continued)

Topic Name	Nature of Update
Updating the HTML documentation installed on your machine	Corrections to task steps.

Table 7. DB2 Connect Enterprise Edition

Topic Name	Nature of Update
Binding database utilities on DB2 Connect	New topic.
Configuring client profiles using the import function of the Configuration Assistant (CA)	Corrections to task steps.
Configuring a database connection using the Configuration Assistant (CA)	Additional step added to task.
Creating client profiles using the export function of the Configuration Assistant (CA)	Corrections to how to create client profiles using the export function of the Configuration Assistant.
DB2 clients	Additional information on updating the client.
DB2 tutorials	Updates to links.
Enabling Multisite Updates using the Control Center	General corrections and additions.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Installing your DB2 Connect license key using the License Center	Corrections to coverage of screen controls.
Installing your DB2 Connect license key using the db2licm command	Added CASE information.
Setting the license type using the License Center	Corrections to coverage of the Enforcement policy.
Testing a database connection	Corrections to task steps.
Updating the HTML documentation installed on your machine	Corrections to task steps.

Table 8. For Data Links Manager

Topic title	Nature of update
Before you install DB2 Data Links Manager (AIX)	Additional information regarding the migration utility.
Before you install DB2 Data Links Manager (Solaris Operating Environment)	Additional information regarding the migration utility.

Table 8. For Data Links Manager (continued)

Topic title	Nature of update
Before you install DB2 Data Links Manager (Windows)	Additional information regarding the migration utility.
DB2 tutorials	Updates to links.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.
Registry variable size for DATALINK columns in V8.1	New Topic
Withdrawal of DCE-DFS support in Data Links Manager Version 8	Notice of withdrawal.

Warehouse Manager Installation Guide

The following topics have been updated since the publication of the books. The most recent documentation is available in the DB2 information center.

Topic Title	Nature of Update
Configuring the AIX, Linux, and Solaris Operating Environment warehouse agent environment	Additional information to configure the agent to run OLAP.
Installing the Information Catalog Center for the Web on a Windows NT Websphere IBM HTTP Web server	Corrections to installing the ICC.
Customizing the Information Catalog Center for the Web after installation	Corrections to configuring the ICC.
DB2 tutorials	Updates to links.
DB2 Warehouse Manager user-defined programs	Additional sendWTO information.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Installing the AIX, Linux, and Solaris Operating Environment warehouse agents	Additional information on how to run Version 7 and Version 8 concurrently.
Installing the Information Catalog Center for the Web on an AIX Websphere IBM HTTP Web server	General corrections.

Topic Title	Nature of Update
Installing the iSeries warehouse agent	Update to supported platform information.
Installing the z/OS warehouse agent	Update to supported platform information.
Overview of the z/OS warehouse agent	Updated information on supported platforms.
Preparing to install warehouse agents	Update to supported platform information
Reducing the number of characters in the environment variable data set for the z/OS warehouse transformers	Corrections to UNIX [®] path information.
Running the Manage Information Catalog wizard	Corrections to information on initializing information catalogs on OS/390.
Setting up warehouse transformers on DB2 for z/OS	Corrections to UNIX path information.
Scheduling warehouse steps with the trigger program (XTClient)	Corrections to UNIX path information
Starting the z/OS warehouse agent daemon	Corrections to UNIX path information.
Starting warehouse agent logging	Update to procedure for starting warehouse agent daemon logging.
Starting the agent daemon as a z/OS started task	Corrections to UNIX path information.
Sample IWH.environment file	Additional information on CLASSPATH and PATH settings for the IWH.environment file.
Setting up z/OS console notification of step completion	New topic.
Updating the HTML documentation installed on your machine	Corrections to task steps.
Using the z/OS warehouse agent to automate DataPropagator replication apply steps	Corrections to UNIX path information

Installation and Configuration Supplement

The following topics have been updated since the publication of the books. The most recent documentation is available in the DB2 information center.

Topic Title	Nature of Update
Accessing DB2 Universal Database servers from Host and AS/400 applications	Removal of APPC and MVS™ information.
Configuring a client to server connection using the command line processor	Removal of duplicate information.
Configuring a database connection using Discovery	Additional step added to task.
Configuring a database connection using the Configuration Assistant (CA)	Additional step added to task.
Configuring Named Pipes on the client using the CLP	Additional related links.
Cataloging the TCP/IP node on the client	Corrections to procedure for cataloging a TCP/IP node on the client.
DB2 tutorials	Updates to links.
Displaying db2setup in your national language	New Topic.
Determining the logical adapter number of the client for the NetBIOS connection	Corrections to task steps.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Installing a DB2 product manually	Corrections to related information pointers.
Merant Driver Manager and the DB2 UDB Version 8 ODBC Driver on UNIX	New Topic.
Problems during START or STOP DATABASE MANAGER processing	New Topic.
Response file keywords for Windows 32-bit operating systems	Corrections to response file keyword SATELLITE_ADMIN
Setting the DB2 license policy using the db2licm command	Updates to license policy.
Setting up a DB2 server after manual installation	Additional related links.
Supported protocols for accessing DB2 Universal Database servers from Host or OS/400	Removes coverage of APPC and MVS
Testing a database connection	Corrections to task steps.

Topic Title	Nature of Update
Tivoli Ready Enablement	New Topic.
Updating the HTML documentation installed on your machine	Corrections to task steps.
Deploying DB2 Web Tools on WebSphere application servers	Added restrictions information.
Deploying DB2 Web Tools on WebLogic application servers	Added restrictions information.
Deploying DB2 Web Tools on other application servers	Added restrictions information.
DB2 product license files	Update to license information.
Setting the license type using the db2licm command	Update to license information.
Installing your DB2 license key using the db2licm command	Update to license information.
Installing your DB2 license key using the License Center	Update to license information.

Database administration

Administration Guide

The following topics have been updated since the publication of the books. The most recent documentation is available in the DB2 information center.

Table 9. Planning

Topic Title	Nature of Update
Conversion table files for euro-enabled code pages	Updated list of conversion tables.
Supported territory codes and code pages	Updated information on code page 950.
Bidirectional-specific CCSIDs	The new supported CCSIDs added.
Unicode implementation in DB2	Additional information on code page conversion.
Database directories and files	General corrections and additions to information.
Considerations when creating MDC tables	Syntax correction for creating MDC tables.
Version 8 incompatibilities between releases	Additional incompatibilities.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.
DB2 tutorials	Updates to links.
Installing the previous tables for converting between code page 1394 and Unicode	New topic.
Storage management view	New topic.
Stored procedures for the storage management tool	New topic.
Storage management view tables	New topic.

Table 10. Implementation

Topic Title	Nature of Update
DB2 Administration Server	Removes mentions of DAS support for iSeries™ systems, which are not supported at this time.
Environment Variables and the Profile Registry	Additional information concerning the instance level profile.
Compiling and running the example plugins	General corrections and additions to information.
Database directories and files	General corrections and additions to information.
Locks and performance	Updated information about the deadlock monitor.
Catalog statistics tables	Corrections to when statistics can be calculated.
Creating a database	Updated information about the deadlock monitor.
Creating a user-defined temporary table	Additional prerequisite information.
Tools catalog database and DAS scheduler setup and configuration	Additional information on DAS Windows server setup and scheduler process.
Adding the folder to hold multiple objects in the tree	General corrections and additions.
Adding an example object under the folder	General corrections and additions.
Defining an identity column on a new table	Clarification on how the uniqueness of identity columns is enforced
DAS configuration on Enterprise Server Edition (ESE) systems	Corrects descriptions of the DAS configuration on DB2 UDB ESE.
Updating the HTML documentation installed on your machine	Corrections to task steps.
DB2 tutorials	Updates to links.
Adding the alter action	General corrections and additions.
Guidelines for Control Center plugin developers	Corrections to Control Center documentation.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.

Table 11. Performance

Topic Title	Nature of Update
Database System Monitor Heap Size configuration parameter - mon_heap_sz	General additions and corrections.
Private Memory Threshold configuration parameter - priv_mem_thresh	Change in default value.
Application Heap Size configuration parameter - applheapsz	Corrections to default values.
Collating Information configuration parameter - collate_info	Corrections to how to obtain the parameter value.
Application Control Heap Size configuration parameter - app_ctl_heap_sz	Corrections to default values.
Catalog statistics tables	Corrections to when statistics can be calculated.
Locks and performance	General corrections and additions to information.
System environment variables	Corrections to DB2ENVLIST and DB2LIBPATH.
General registry variables	Added new variable, DB2GRAPHICUNICODESERVER. Used for applications that specifically send graphic data in Unicode instead of the code page of the client.
Performance variables	Corrections to DB2BPVARS.
Database directories and files	General corrections and additions to information.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
DB2 tutorials	Updates to links.
Updating the HTML documentation installed on your machine	Corrections to task steps.
Redistribute stored procedures and functions	New reference topic
SQL compiler variables	New reference topic

Data Movement Utilities Guide and Reference

The following topics have been updated since the publication of the books. The most recent documentation is available in the DB2 information center.

Topic Title	Nature of Update
DB2 tutorials	Updates to links.
db2Load - Load	General corrections.
db2relocatedb - Relocate Database Command	Additional information, including use of wildcards in the container path declaration.
EXPORT Command	Correction to LOB file export paths and LOBSINFILE modifier.
IMPORT Command	Additional information on USEGRAPHICCODEPAGE, and LOBSINFILE modifiers.
LOAD Command	Additional information on USEGRAPHICCODEPAGE and LOBSINFILE modifiers, and COPY NO parameter.
Moving DB2 Data Links Manager Using Export - Concepts	Removes references to Distributed File Systems, which are not supported at this time.
Using Export to Move DB2 Data Links Manager Data	Removes references to Distributed File Systems, which are not supported at this time.
Using Import to Move DB2 Data Links Manager Data	Removes references to Distributed File Systems, which are not supported at this time.
Using Load to Move DB2 Data Links Manager Data	Removes references to Distributed File Systems, which are not supported at this time.
Updating the HTML documentation installed on your machine	Corrections to task steps.

Data Recovery and High Availability Guide and Reference

The following topics have been updated since the publication of the books. The most recent documentation is available in the DB2 information center.

Topic Title	Nature of Update
Backup Overview	Additional information concerning concurrent backup operations.

Topic Title	Nature of Update
DB2 tutorials	Updates to links.
db2Backup - Backup database	General corrections.
db2Restore - Restore database	General corrections.
db2ReadLogNoConn - Read Log Without a Database Connection	General corrections.
db2ReadLogNoConnInit - Initialize Read Log Without a Database Connection	General corrections.
db2ReadLogNoConnTerm - Terminate Read Log Without a Database Connection	General corrections.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Recovering a Dropped Table	Additional restriction regarding the recovery of dropped tables.
Rolling Forward Changes in a Table Space	New information on skipping logs not required for table space recovery.
RESTORE DATABASE Command	General corrections.
Tivoli Storage Manager	Additional information for 64-bit Windows systems.
Updating the HTML documentation installed on your machine	Corrections to task steps.

DB2 Connect User's Guide

Table 12.

Topic Name	Nature of Update
DB2 tutorials	Updates to links.
Enabling Multisite Updates using the Control Center	General corrections and additions.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.

Administering Satellites Guide and Reference

Table 13.

Topic Name	Nature of Update
DB2 tutorials	Updates to links.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Installation overview for DB2 servers (Windows)	Updates to Windows 2000 Terminal Server and MDAC component information.
Installing DB2 online documentation (UNIX)	Corrections to CD names.
Location of Error Messages for Satellite Control Server Installation	General corrections.
Migrating databases	Correction to the maxappls configuration parameter.
Migrating databases on DB2 Personal Edition (Windows)	Correction to the maxappls configuration parameter.
Migration recommendations	Updates to migration considerations.
Response file keywords for Windows 32-bit operating systems	Corrections to response file keyword SATELLITE_ADMIN
Updating the HTML documentation installed on your machine	Corrections to task steps.
User accounts required for installation of DB2 servers (Windows)	Updates to installation directory information for Windows 2000 operating systems.

Replication Guide and Reference

Table 14.

Topic Name	Nature of Update
ADDDPRSUBM: Adding a DPR subscription-set member (OS/400)	General corrections
ADDDPRREG: Adding a DPR registration (OS/400)	General corrections
ADDDPRSUB: Adding a DPR subscription set (OS/400)	General corrections
ASN.IBMSNAP_SUBS_COLS	Updates to description of the TARGET_NAME column.

Table 14. (continued)

Topic Name	Nature of Update
ASN.IBMSNAP_SUBS_MEMBR	General updates.
ASN.IBMSNAP_MONTRAIL	General corrections
ASN.IBMSNAP_SUBS_SET	Updates to significance of a NULL value in the SLEEP_MINUTES column.
asnanalyze: Operating the Analyzer (UNIX and Windows)	Clarification of -la parameter.
asnapply: Starting Apply (UNIX, Windows, z/OS)	Corrections to parameter names.
asncap: Starting Capture (UNIX, Windows, z/OS)	Clarification of lag_limit parameter.
asnccmd: Operating Capture (UNIX, Windows, z/OS)	Corrections to parameter list.
asntrc: Operating the replication trace facility (UNIX, Windows, z/OS)	Clarification of use of -db and -subsystem parameters.
Consistent-change data (CCD) table	Corrections to IBMSNAP_APPLY_QUAL column.
How the Capture program processes journal entry types (iSeries)	Corrections to EJ journal type.
List of tables used at the Capture control server	Updates to definition of the IBMSNAP_PRUNE_LOCK table.
Maintaining your replication environment	General corrections
Manipulating data in your replication environment	Additional restrictions for using nicknames.
Naming rules for replication objects	Additional information on naming rules for subscription sets.
Operating the replication programs (z/OS)	General corrections
Replicating special data types	Corrections to defined procedure restrictions and user-defined types information. Additional restrictions for Oracle LONG columns.
RMVDPRREG: Removing a DPR registration (OS/400)	General corrections
RVKDPRAUT: Revoking authority (OS/400)	Corrections to example text.

Table 14. (continued)

Topic Name	Nature of Update
Registering tables and views as replication sources	Additional OS/400® restrictions for sources in ASPs. Additional restrictions on before-image prefixes and Oracle LONG columns.
schema.IBMSNAP_CAPENQ (UNIX, Windows, z/OS)	General corrections
schema.IBMSNAP_CAPTRACE (DB2 only)	Updates to definition of the JOB_NAME column.
schema.IBMSNAP_SIGNAL table	Updates to description of the SIGNAL_SUBTYPE column.
Setting up for replication	Additional OS/400 restriction for IASPs. Updated z/OS USS path information.
Subscribing to sources	Additional procedure for scheduling a subscription set. Additional restriction for target-key-change option.
Tables at a glance	Corrections to captions.
Using the Windows Service Control Manager to issue system commands (Windows)	Removed inapplicable information regarding the use of Windows SCM to pause and resume replication services.

System Monitor Guide and Reference

Table 15.

Topic Name	Nature of Update
Access for all database users to system monitor data: DB2_SNAPSHOT_NOAUTH registry variable	New topic.
DB2 tutorials	Updates to links.
Event types	Correction to the name of the detailed deadlock event monitor defined for newly created databases.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.

Federated Systems Guide

The following topics have been updated since the publication of the books. The most recent documentation is available in the DB2 information center.

Topic Title	Nature of Update
Adding Microsoft SQL Server data sources to a federated server	General updates
Creating and modifying remote tables using transparent DDL	Updated descriptions and examples.
Data sources	Removed ALTER TYPE MAPPING documentation (statement no longer supported).
Data type mappings	Removed ALTER TYPE MAPPING documentation (statement no longer supported).
Default forward data type mappings	Updated data type mappings.
Default reverse data type mappings	Updated data type mappings.
Deleting data from data source objects	Corrections to DELETE statements.
Federated pass-through considerations and restrictions	Updated restriction information.
Modifying default data type mappings	Corrections to supported data types.
Plan for large object data types (LOBs)	Additional information on iSeries V5.
Setting up the server to access Microsoft SQL Server data sources	General updates.
Supply the server definition	Corrections to DBNAME explanation.
Server options for federated systems	Removed ENCRYPTION option.
System monitor elements affecting performance	New topic.

Application development

Administrative API Reference

Table 16.

Topic Name	Nature of Update
Application Migration Considerations	General corrections.
Changed APIs and Data Structures	Updated for accuracy.
DB2 tutorials	Updates to links.
db2AutoConfig - Autoconfigure	Updates to reflect component name changes.
db2Backup - Backup database	General corrections.
db2Inspect - Inspect database	Removed iCatalogToTablespace parameter.
db2Load - Load	General corrections.
db2ReadLogNoConnInit - Initialize Read Log Without a Database Connection	General corrections.
db2ReadLogNoConnTerm - Terminate Read Log Without a Database Connection	General corrections.
db2Restore - Restore database	General corrections.
db2Rollforward - Rollforward Database	Modified to reflect change in the API.
db2Runstats - Runstats	Changes to how API collects index statistics.
db2ReadLogNoConn - Read Log Without a Database Connection	General corrections.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Precompiler Customization APIs	General corrections.
sqlcrea - Create Database	Additional restrictions in the usage notes.
sqlsact - Set Accounting String	Removed obsolete information.
Threaded Applications with Concurrent Access	Corrected information on multithreaded applications.
Updating the HTML documentation installed on your machine	Corrections to task steps.

CLI Guide and Reference

The following topics have been updated since the publication of the books. The most recent documentation is available in the DB2 information center.

Table 17. Volume 1

Topic Title	Nature of Update
C to SQL Data Conversion in CLI	Updates to "Converting Timestamp C Data to SQL Data" table.
Calling Stored Procedures in CLI Applications	Added stored procedure commit behavior information.
CLIPKG CLI/ODBC Configuration Keyword	Updates to usage information.
DB2 CLI Bind Files and Package Names	Added new bind file.
DB2 CLI Samples	New CLI Load sample, tload.c.
DB2 tutorials	Updates to links.
Executing SQL Statements in CLI Applications with Compound SQL	Added restriction and updated task information.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
HP-UX CLI Application Compile and Link Options	Removed +DAportable from Compile and Link Option table.
HP-UX CLI Routine Compile and Link Options	Updates HP-UX OS information and to compiler support
Importing Data with the CLI LOAD Utility in CLI Applications	Removed inline code sample, replaced with Related Sample link.
Introduction to CLI	Added link to DB2 Application Development Web page.
PATCH1 CLI/ODBC Configuration Keyword	Added Web link to current list of values.
PATCH2 CLI/ODBC Configuration Keyword	Added Web link to current list of values.
Programming Hints and Tips for CLI Applications	Added link to DB2 Application Development Web page.
SQL to C Data Conversion in CLI	Updates to "Converting Timestamp SQL Data to C Data" table.
String Handling in CLI Applications	Added "Blank Padding of Strings" section.
Updating the HTML documentation installed on your machine	Corrections to task steps.

Table 17. Volume 1 (continued)

Topic Title	Nature of Update
Windows CLI Routine Compile and Link Options	Additional -MD link option
Windows C/C++ Routine Compile and Link Options	Additional -MD link option

Table 18. Volume 2

Topic Title	Nature of Update
SQLColAttribute Function (CLI) - Return a Column Attribute	Corrections to HY091 SQLSTATE description.
SQLDriverConnect Function (CLI) - (Expanded) Connect to a Data Source	Updates to description of WindowHandle function argument.
SQLExtendedBind Function (CLI) - Bind an Array of Columns	Updates to usage information.
SQLGetData Function (CLI) - Get Data From a Column	Updates LOB handling information.
SQLGetDescField Function (CLI) - Get Single Field Settings of Descriptor Record	Corrections to HY091 SQLSTATE description.
SQLNextResult Function (CLI) - Associate Next Result Set with Another Statement Handle	Corrections to function argument names.
SQLSetDescField Function (CLI) - Set a Single Field of a Descriptor Record	Corrections to HY091 SQLSTATE description.
Connection Attributes (CLI) List	Added SQL_ATTR_CURRENT_PACKAGE_SET attribute.
Descriptor Header and Record Field Initialization Values (CLI)	Corrections to HY091 SQLSTATE description.
Header and Record Fields for the DiagIdentifier Argument (CLI)	Added new header field SQL_DIAG_RELATIVE_COST_ESTIMATE.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.
DB2 tutorials	Updates to links.

Application Development Guide

Table 19. Programming Client Applications

Topic Name	Nature of Update
DB2 Restrictions on SQLj	New information on how default package names are generated.
DB2 Support for SQLj	Updates due to new db2sqlj commands.
DB2 tutorials	Updates to links.
Example of Compiling and Running an SQLj Program	Updates due to new db2sqlj commands.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Purpose of Multiple-Thread Database Access	C/C++ applications now run multithreaded by default and sqlSetTypeCtx API is deprecated.
Source and Output Files for Java	Updates due to new db2sqlj commands.
SQLj Translator Options	Updates due to new db2sqlj commands.
Updating the HTML documentation installed on your machine	Corrections to task steps.

Table 20. Programming Server Applications

Topic Name	Nature of Update
Connection contexts in SQLj routines	New topic.
DB2 tutorials	Updates to links.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.

Table 21. Building and Running

Topic Name	Nature of Update
AIX Supported Software for Building and Running Applications	Updates to the AIX [®] OS information and compiler information.
Build Files	Corrections to file name information.
Building JDBC Applets	Corrections to Type 4 driver information.
Building SQLJ Applets	Corrections to Type 4 driver information.

Table 21. Building and Running (continued)

Topic Name	Nature of Update
Building SQLJ Programs	Additional information on db2sqljcustomize and the Type 4 driver.
Creating SQL Procedures	Corrections to CALL statement.
Customizing Precompile and Bind Options for SQL Procedures	Corrections to SQL Procedures Precompile and Bind Options.
DB2 Application Development Client	Corrections to website links.
DB2 CLI Samples	New CLI Load sample, tload.c.
DB2 tutorials	Updates to links.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
HP-UX C Application Compile and Link Options	Removed +DAportable from C Application Compile and Link Options Table
HP-UX C Routine Compile and Link Options	Removed +DAportable from C Routines Compile and Link Options Table
HP-UX C++ Application Compile and Link Options	Removed +DAportable from C Applications Compile and Link Options Table
HP-UX Micro Focus COBOL Application Compile and Link Options	Removed +DAportable from HP-UX M.F. COBOL Applications Compile and Link Options Table
HP-UX Micro Focus COBOL Routine Compile and Link Options	Removed +DAportable from HP-UX M.F. COBOL Routines Compile and Link Options Table
HP-UX C++ Routine Compile and Link Options	Removed +DAportable from C Routines Compile and Link Options Table
HP-UX Supported Software for Building and Running Applications	Updates to the HP-UX OS information and compiler support.
Java Applet Considerations	Corrections to file name information.
Java Class Libraries	Corrections to which files you must include in your CLASSPATH.
Linux Supported Software for Building and Running Applications	Additions to Linux g++ 3.0.2. fstream parameter restrictions.
Setting Up the HP-UX Java Environment	Corrections to HP-UX 64-bit Java™ setup requirements.

Table 21. Building and Running (continued)

Topic Name	Nature of Update
Setting Up the Java Environment	Additional information on the DB2 SQLJ customizer, profile printer, and profile binder.
Setting Up the UNIX Java Environment	Corrections to path and file information.
Setting Up the Windows SQL Procedures Environment	Additional -MD link option
Solaris Supported Software for Building and Running Applications	Updates to Solaris OS and compiler information.
SQLJ Application Options for UNIX	Updated information on options for building UNIX SQLK applications and applets.
SQLJ Application Options for Windows	Updated information on options for building Windows SQLJ Applications and Applets.
SQLJ Stored Procedure Options for UNIX	Updated information on options for building UNIX SQLJ Routines
SQLJ Stored Procedure Options for Windows	Updated information on options for building Windows SQLJ Routines.
Supported SQL Data Types in Java	Additional information on using the getObject() method to retrieve BIGINT values from DB2 version 7 servers.
Updating the HTML documentation installed on your machine	Corrections to task steps.
Windows Java Environment Settings	Corrections file information.
Windows Supported Software for Building and Running Applications	Updates to Windows OS and compiler information.

Extending DB2 functionality

Information Catalog Center Administration Guide

The following topics have been updated since the publication of the books.

Topic Title	Nature of Update
ERwin to Information Catalog Center mapping	New topic.
Importing tag language files from the command line	Corrections to the command used to import tag language files.
Updating an object type	Corrections to information on removing constraint names during an update.
Valid data types for Information Catalog Center descriptive data	Corrections to length limits for BLOB and CLOB properties.

Data Warehouse Center Administration Guide

Table 22.

Topic Name	Nature of Update
Clean Data transformer	Additional information about summary function.
Setting up connectivity for an IMS (OS/390) data source (AIX)	New topic.
Process task flow	Additional information on merging
Publishing warehouse metadata	Additional information on using a remote control database and Publish. Updated prerequisites
Running a step from outside the Data Warehouse Center	Corrections to prerequisite information.
Starting and stopping the warehouse server and logger (AIX)	Additional information about EXTSHM.
Starting the Data Warehouse Center administrative interface (AIX)	New topic.
Step task flow	Additional information on step task flow.
Supported non-DB2 data sources	Additional information for Oracle 8.1.5, Microsoft [®] SQL Server 2000, and Oracle 9i. Removed mention of IMS.

Table 22. (continued)

Topic Name	Nature of Update
Syntax for starting the external trigger client	Additional parameters for working with a firewall.
Verifying that the warehouse server and logger daemons are running (AIX)	Corrections to how to verify the warehouse server and logger daemons.
Warehouse steps	Additional information on dependency checking.

Data Warehouse Center Application Integration Guide

Table 23.

Topic Name	Nature of Update
Valid data types for Information Catalog Center descriptive data	Corrections to length limits for BLOB and CLOB properties.

Spatial Extender User's Guide and Reference

The following topics have been updated since the publication of the books. The most recent documentation is available in the DB2 information center.

Topic Title	Nature of Update
The DB2 Spatial Extender sample program	Limitations for Windows operating systems added.
Troubleshooting tips for the installation sample program	Restrictions for Windows operating system.
Using the Index Advisor	Additional prerequisites for using the ANALYZE clause.

XML Extender Administration and Programming

The following topics have been updated since the publication of the books. The most recent documentation is available in the DB2 information center.

Topic Title	Nature of Update
Introduction to XML Extender	Updates to specifying the location of temporary XML Extender files by using the DB2DXXTEMP environment variable.
SQLSTATE codes	New topic.
Migrating	New topic.

Data Links Manager Administration Guide and Reference

The following topics have been updated since the publication of the books. The most recent documentation is available in the DB2 information center.

Topic Title	Nature of Update
Bringing the file system directory hierarchy to the current point in time	Corrections to fsysadm.log file.
Data Links File Manager error message reference	Updates to significant number of messages.
dlfm_dump command	New topic.
Withdrawal of DCE-DFS support in Data Links Manager Version 8	Notice of withdrawal.

Cross-area reference

Message Reference

The following topics have been updated since the publication of the books. The most recent documentation is available in the DB2 information center.

Table 24. Volume 1

Topic Title	Nature of Update
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.
DB2 tutorials	Updates to links.
DBI messages	Modified DBI1400, DBI1401, and DBI1406.

Table 25. Volume 2

Topic Title	Nature of Update
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.
DB2 tutorials	Updates to links.
sql0200	Added new reason code 66 to SQL0270N.
sql0400	Update to SQL0443N.
sql1000	Added SQLCODE/SQLSTATE mapping: SQL1011N/08004. Modified SQL1022N.
sql1100	Update to SQL1187W.
sql1200	Update to SQL1274N.
sql1700	Update to SQL1704N.
sql20100	Update to SQL20136N.
sql20200	Added new message SQL20230N.
SQLSTATE messages	Update to SQLSTATE 55047.

Command Reference

The following topics have been updated since the publication of the books. The most recent documentation is available in the DB2 information center.

Topic Title	Nature of Update
AUTOCONFIGURE Command	Additional usage notes and information on partitioned databases.
EXPORT Command	Correction to LOB file export paths and LOBSINFILE modifier.
IMPORT Command	Additional information on USEGRAPHICCODEPAGE, and LOBSINFILE modifiers.
INSPECT Command	Removed unsupported clause.
LOAD Command	Additional information on USEGRAPHICCODEPAGE and LOBSINFILE modifiers, and COPY NO parameter.
PRECOMPILE Command	Removed FEDERATED bind option for non-UNIX/Winodws servers. (Option not supported)
QUIESCE Command	Syntax corrections.
REORGCHK Command	Additional information on ACTBLK field. Corrections to examples.
RESTORE DATABASE Command	General corrections.
RUNSTATS Command	Additional information on limitations.
START DATABASE MANAGER Command	Additional parameters and descriptions: REMOTE INSTANCE and ADMIN MODE.
UNQUIESCE Command	Corrections to syntax.
UPDATE DATABASE CONFIGURATION Command	Additional information on using the command in a multiple-partition environment.
db2advis - DB2 Index Advisor Command	Additional information for -g parameter.
db2fs - First Steps	Additional information. Removal of OS/2 [®] information.
db2inspf - Format inspect results Command	Added -w option.
db2look - DB2 Statistics and DDL Extraction Tool Command	Additional command options.

Topic Title	Nature of Update
db2relocatedb - Relocate Database Command	Additional information, including use of wildcards in the container path declaration.
db2sqljbind - DB2 SQLJ Profile Binder Command	New topic.
db2profc - DB2 SQLJ Profile Customizer Command	db2sqljcustomize is a new command to replace db2profc.
db2profp - DB2 SQLJ Profile Printer Command	db2sqljprint is a new command to replace db2profp.
db2support - Problem Analysis and Environment Collection Tool Command	Added information for the -m and -HTML parameters.
DB2 tutorials	Updates to links.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.
db2inidb - Initialize a Mirrored Database Command	New topic.

SQL Reference

The following topics have been updated since the publication of the product PDF information. The up-to-date version of the following topics is available in the DB2 information center.

Table 26. Volume 1

Topic Title	Nature of Update
Assignments and comparisons	Correction to DFS™ scheme name information.
DATALINK values	Correction to DFS scheme names information.
DB2 tutorials	Updates to links.
Default forward data type mappings	Updated data type mappings.
Default reverse data type mappings	Updated data type mappings.
Data sources	Removed ALTER TYPE MAPPING documentation (statement no longer supported).

Table 26. Volume 1 (continued)

Topic Title	Nature of Update
Data type mappings	Removed ALTER TYPE MAPPING documentation (statement no longer supported).
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
REBIND_ROUTINE_PACKAGE procedure	New Topic
Select-statement	Correction to description of the read-only clause.
SQL statements allowed in routines	Correction to "SQL Statement" and "Data Access Indication tables".
SQLDA (SQL descriptor area)	Correction to sqltype field description.
SYSCAT.CASTFUNCTIONS catalog view	Correction to SPECIFICNAME column.
SYSCAT.COLIDENTATTRIBUTES catalog view	New Topic
SYSCAT.FUNCMAPPINGS catalog view	Correction to SPECIFICNAME column.
SYSCAT.INDEXES catalog view	Correction to AVERAGE_SEQUENCE_FETCH_PAGES, AVERAGE_SEQUENCE_FETCH_GAP, AND AVERAGE_RANDOM_FETCH_PAGES columns.
SYSCAT.ROUTINEPARMS catalog view	Correction to SPECIFICNAME column.
SYSCAT.ROUTINES catalog view	Correction to SPECIFICNAME column. FEDERATED column description changed to not used.
SYSCAT.TRANSFORMS catalog view	Corrections to descriptions of SYSCAT.TRANSFORMS columns.
SYSSTAT.ROUTINES catalog view	Correction to SPECIFICNAME column.
SYSSTAT.INDEXES catalog view	Correction to AVERAGE_SEQUENCE_FETCH_PAGES, AVERAGE_SEQUENCE_FETCH_GAP, AND AVERAGE_RANDOM_FETCH_PAGES columns.
SYSCAT.PREDICATESPECS catalog view	Correction to FUNCNAME and SPECIFICNAME columns.

Table 26. Volume 1 (continued)

Topic Title	Nature of Update
SYSCAT.SEQUENCES catalog view	Corrections to SYSCAT.SEQUENCES catalog view introduction.
Updating the HTML documentation installed on your machine	Corrections to task steps.

Table 27. Volume 2

Topic Title	Nature of Update
ALTER PROCEDURE statement	Removed FEDERATED and NOT FEDERATED keywords (unsupported).
ALTER TABLE statement	Correction to description of the VOLATILE keyword.
ALTER TABLESPACE statement	Corrections to container name limitations.
CREATE FUNCTION (External Scalar) statement	Correction to absolute_path_id parameter information. Removed NOT FEDERATED keywords (unsupported). Added note for federated object restriction.
CREATE FUNCTION (External Table) statement	Removed NOT FEDERATED keywords (unsupported). Added note for federated object restriction.
CREATE FUNCTION (Sourced or Template) statement	Removed reference to FEDERATED and NOT FEDERATED keywords (unsupported).
CREATE FUNCTION (SQL Scalar, Table or Row) statement	Removed FEDERATED and NOT FEDERATED keywords (unsupported).
CREATE METHOD statement	Removed reference to FEDERATED and NOT FEDERATED keywords (unsupported). Added note for federated object restriction.
CREATE PROCEDURE (External) statement	Correction to data-type and absolute_path_id parameters. Removed FEDERATED and NOT FEDERATED keywords (unsupported).
CREATE PROCEDURE (SQL) statement	Correction to data-type parameter information. Removed FEDERATED and NOT FEDERATED keywords (unsupported).
CREATE TABLE statement	Addition of three examples of multidimensional clustering. Removed FEDERATED and NOT FEDERATED keywords (unsupported).

Table 27. Volume 2 (continued)

Topic Title	Nature of Update
CREATE TYPE (Structured) statement	Removed FEDERATED and NOT FEDERATED keywords (unsupported).
CREATE VIEW statement	Removed FEDERATED keyword (not needed). Added compatibility information.
CREATE TABLESPACE statement	Correction to EXTENTSIZE parameter description, and to the container name limitations.
DECLARE GLOBAL TEMPORARY TABLE statement	Corrections to user-defined temporary table requirements.
DB2 tutorials	Updates to links.
DROP statement	Additional information on dropping remote tables that were created by transparent DDL.
EXECUTE statement	Correction to INTO keyword description.
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.

Additional topic updates

Table 28.

Topic Name	Nature of Update
Finding product information by accessing the DB2 Information Center from the administration tools	Corrections to search facility information.
Updating the HTML documentation installed on your machine	Corrections to task steps.
DB2 tutorials	Updates to links.
Configuring your browser to display online help and topics	New topic.
Invoking the DB2 Information Center	New topic.

In addition, updates to the online help are available: see “Online help corrections and updates” on page 67.

Part 3.

Online help corrections and updates

Configuring the C environment for SQL stored procedures in the Development Center

If you are working with DB2® for Windows® on the server and you are using the Visual C++ compiler, you must configure your SQL build settings. You will not be able to build SQL stored procedures until you configure your SQL Build options.

Use the Database Connection Properties notebook in the Development Center to configure your SQL build settings.

To configure the C compiler environment for SQL stored procedures:

1. On the SQL Build Settings page of the notebook, specify a compiler environment that you want to use for building SQL objects.
 - Click **Refresh**.
 - In the **Compiler environment** field, type the location of the VC98\BIN\VCVARS32.BAT file on your Windows server.
2. Click **OK** to close the notebook and save your changes. If you click **Apply**, the changes are saved and you can continue changing the properties.

Development Center prerequisites for working with MQSeries

In version 8 of DB2 Universal Database, you can use the Create MQSeries® Table Function wizard in the Development Center to create a user-defined function (UDF) that prepares the contents of a queued message to be inserted into a DB2 table with a simple SQL query.

MQSeries is a middleware system that manages the queuing of messages, allowing applications to communicate in a distributed, heterogeneous environment. You can access MQSeries from DB2 through UDFs. Because UDFs form part of an SQL statement, you can blend queuing and database operations together.

Prerequisites for working with MQSeries:

- Install MQSeries 5.2 or later.
- Install MQSeries Application Messaging Interface (AMI).
- Enable the DB2 MQSeries Integration Functions (see the DB2 Universal Database™ Version 7.2 *Release Notes*).

Path settings to enable Java routines to compile in the Development Center

The Development Center cannot compile Java™ routines unless it knows where your developer kit versions are installed. Default locations for these will be written to your `$HOME/IBM/DB2DC/DB2DC.settings` file when the Development Center starts for the first time. You may copy these into your `$USER.settings` file and modify them with a Unicode editor, or you may create symbolic links to your developer kit directories in the default locations.

Runstats dialog – updated getting there information

To open the Runstats notebook:

1. From the Control Center, expand the object tree until you find the Tables folder.
2. Click the Tables folder. Any existing tables are displayed in the contents pane.
3. Right-click all the tables that you want to run statistics on, and select Run Statistics from the pop-up menu. The Runstats notebook opens.

Correction to cleansing type descriptions

Both the Find and Replace, and the Encode Invalid Values clean types use a rules table to map input values to output values as part of a step.

The Find and Replace clean type uses a rules table with two columns, and defines an equivalence relationship between values. For example, the product code numbers that you take as input may each be equivalent to a product name that you want as output. During source table cleaning, the Find and Replace clean type replaces any product code numbers it finds with the equivalent product name. Both entire strings, and sub strings can be replaced. If an input record does not match any of the values in the rules table, it is either carried over unchanged (the default behavior) or the record is written to a separate error table, defined on the Processing Options page.

The Encode Invalid Values clean type also uses a rules table, but in this case, it is a list of values that you consider to be valid input. If the input record has a value that is found in your rules, table, then the record is carried over to your output unchanged. However, if the record does not match any of the values in the rules tables, the record is still carried over, but the value that did not match is replaced with a constant. You specify in the GUI the constant that you want used. For example, you might have a list of product codes and their associated sales data as an input table. You specify a list of valid codes and then clean the table. Any record with a product that does not match you list will have its product code information replaced by "UNKNOWN PRODUCT" or some other string that you specify in the GUI. All values that match your rules table are carried over unchanged.

Spatial Extender – requirements when using the Index Advisor

The ANALYZE clause requires use of a user temporary table space. If the ANALYZE clause is needed, then you must have the USE privilege for the table space in order to use the index advisor.

Specifying build options for a Java stored procedure in the Development Center

Use the Stored Procedure Properties notebook to specify the compile options that will be used when building a Java stored procedure.

These steps are part of the larger task of changing stored procedure properties.

To specify the build options of a stored procedure:

1. On the Build page of the Stored Procedure Properties notebook, specify the compile options for building the stored procedure. See your compiler documentation for information about available options.
 - a. In the **Precompile options** field, type the DB2 precompiler options that you want to use when building stored procedures. The package name must not exceed 7 characters.
 - b. In the **Compile options** field, type the compiler options that you want to use when building stored procedures.
2. Click **OK** to close the notebook and save your changes. If you click **Apply**, the changes are saved and you can continue changing the properties.

Web tools – information displayed during login

The following information is displayed when you log in to the DB2 web tools:

system

The DB2 administration server name, or the TCP/IP host name.

instance

The DB2 instance name, or the TCP/IP host name.

database

The DB2 database name, or database alias.

Subsystem

On zSeries™ and OS/390® systems, the database alias for the DB2 subsystem.

Appendix. Notices

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