

DB2 Express-C v8 Install and Upgrade Instructions

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Installation and upgrade instructions

Install

For a *new* installation of DB2 Express-C:

1. Ensure you review the System Requirements document (<http://www.ibm.com/software/data/db2/udb/sysreqs.html>) before installing the product
2. Download the DB2 Express-C image and run the "setup.exe" program on Windows or run ".db2setup" on Linux (as root).
3. Review the license agreement document for Linux (ftp://ftp.software.ibm.com/software/data/db2/udb/db2express/exp_LI_en) or Windows (ftp://ftp.software.ibm.com/software/data/db2/udb/db2express/exp_LI_en.rtf).

Upgrade - Linux

To upgrade to a more recent fixpak level of DB2 Express-C, you must uninstall the previous level and install the new level. Note that this process will not remove user data (DAS and instances) unless you have saved this user data in the same path were the DB2 code resides (/opt/IBM/db2/V8.1/)

1. Shut down all DB2 applications or applications accessing DB2 databases.
2. Stop all DB2 instances (log on as instance owner, and run "db2stop")
3. Stop DAS (log on with DAS owner ID, and run "db2admin stop")
4. Uninstall DB2 using the ".db2_deinstall" command from either the new or the old image
5. Reinstall DB2 by running the ".db2_install" script from new image. This installs the new DB2 level but skips all the unnecessary configuration steps.
6. Restart DAS (log on as the DAS owner ID, and run "db2admin start")
7. Restart instances (log on as instance owner, run "db2start").

Notes: You can also use the GUI DB2 Setup wizard to reinstall DB2 Express-C, if you want more control over what gets installed, but keep these two points in mind:

1. The DB2 Setup wizard will not detect former DAS or instances, and it will prompt you to create the DAS and instance again.
2. After the install, the DAS will still be set to the one created in the initial FP10 install. You still need to run the "dasupdt" command to update the DAS from the previous installation, and run the "db2iupdt" on each of the instances from the previous installation.

Upgrade - Windows

To upgrade to a more current fixpak level of DB2 Express-C, you must uninstall the old DB2 level and install the new level. This will remove your user configuration but will leave your databases behind. To save your user configuration, refer to the Appendix for details.

1. Uninstall the DB2 Express-C previous image using "Add or Remove Programs" from the Control Panel
2. Install the new DB2 Express-C image following the same process as a new DB2 Express-C installation

Special instructions for Windows XP Home image

The Windows XP Home image is an experimental image. Please post any feedback about the image in our online forum (http://www.ibm.com/developerworks/forums/dw_forum.jsp?forum=805&cat=19). When installing the image on your XP Home system, there are two things to keep in mind.

1. When prompted for user information for the DB2 Administration Server, or the DB2 instance or other user information, we recommend you use local system users only. New users created during the installation will be added to the existing Administrators group on your computer.
2. You may be prompted with a panel regarding operating system security for DB2 objects and OS groups; however, the settings on this panel are ignored by the installer, due to XP home limitations.

Note there are two separate images for Windows. One is exclusive to Windows XP Home (db2exc_NTx86_XPHome.zip), and the other is for all other supported Window platforms such as Windows 2000 or Windows XP Professional (db2exc_NT_x86.zip).

Appendix – Saving user configuration

Upgrading your DB2 Express-C code from one fixpak to another requires you uninstall the “old” image and install the “new” image. We recommend you follow these steps:

1. Save you current environment/configuration information.

a) Run the following commands:

```
db2 list db directory > db.out
db2 list node directory > node.out
db2 list dcs directory > dcs.out
db2 get dbm cfg > dbmcfg.out
db2 get db cfg for {database_name} > dbcfg.out
db2set -all > db2set.out
```

b) Alternatively you can run the command:

```
db2support .
```

This command saves the above information (and more) in a file called db2support.zip. Note that there is a dot after the command to indicate db2support.zip will be created in the current directory. You need to run the command from the DB2 Command Window on Windows, or a shell on Linux.

c)

Ensure none of your databases were created under these paths, though it is very unlikely this would happen:

On Windows: <drive:>\Program Files\IBM\SQLLIB

On Linux: /opt/IBM/db2/V8.1

d)

If you want to be extra cautious, backup all of your databases. This is good practice anyway:

```
db2 backup db {dbname} to {path}
```

e)

From the DB2 Configuration Assistant choose:

Configure --> Export Profile --> All

and follow the instructions to save configuration information to a file.

2. Shut down all applications connected to your DB2 databases

3. Stop the db2 instances and the DAS

On Linux:

- a. Stop all DB2 instances (log on as the instance owner, and issue "db2stop")
- b. Stop the DAS (log on as the DAS user, and issue "db2admin stop")

On Windows, the uninstall process should take care of shutting down DB2.

4. Uninstall DB2

On Windows: Go to the Control Panel and choose Add or Remove Programs.

On Linux, use db2_deinstall as root: ./db2_deinstall

Note:

The DB2 Express-C download image includes db2_deinstall, therefore, ensure you remember where you unzip/untar this image. The version of db2_deinstall coming with the new or previous image of DB2 Express-C should work.

5. Install the new image of DB2 Express-C following the same steps of a new installation.

6. Restore your environment and configuration:

In step 1a your environment and configuration information was stored in text files as a backup.

In step 1e, this same information was stored in an exported file from the Configuration Assistant. Use the Configuration assistant again to import back the information from this file.

From the Configuration Assistant choose:

Configure --> Import Profile --> All

7.

On Linux, run this command as root to update all your DB2 instances:

```
/opt/IBM/db2/V8.1/instance/db2iupdt -e
```

8.

On Linux, run this command as root to update your DAS:

```
/opt/IBM/db2/V8.1/instance/dasupdt
```

9.

On Linux, ensure your instances and DAS are started:

Start all DB2 instances (log on as the instance owner, and issue "db2start")

Start the DAS (log on as the DAS user, and issue "db2admin start")

10)

Verify all the information is correct after the installation of the new image:

```
db2 list db directory
db2 list node directory
db2 list dcs directory
db2 get dbm cfg
db2set -all
```

To verify the fixpak level, issue this command:

```
db2level
```

11)

If you have any questions or problems about this procedure, post them in the DB2 Express online forum: http://www.ibm.com/developerworks/forums/dw_forum.jsp?forum=805&cat=19