

## **DB2 Express-C Upgrade Instructions**

**Last updated: March 10<sup>th</sup>, 2006**

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](http://www.ibm.com/developerworks/forums/dw_forum.jsp?forum=805&cat=19)