

DB2 Version 8 Applying Fixpaks

DB2 Quickstart Education

Maintained by Paul Yip (ypaul@ca.ibm.com)

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IBM Software Group

What Are they?

- <http://www-3.ibm.com/software/data/db2/udb/support.html>
- Bug Fixes
- New Features
- Released approximately every three months
- Free
- Cumulative
- Consider a certification process for your applications.
 - ▶ recommend your customers to be on standardized fixpak levels, if possible
- Highly recommend using the latest available fixpak for all new projects

What's my current DB2 installation?

- command: db2level

32 or 64 bit

DB21085I Instance "DB2" uses "32" bits and DB2 code release "SQL08010" with level identifier "01010106".

Informational tokens are "DB2 v8.1.0.36", "s021023", "", and FixPak "0".
Product is installed at "C:\SQLLIB".

install directory

fixpak level

Fixpak Components

- Files/filesets
- fixpak installer
 - ▶ update.exe (Windows)
 - ▶ installFixPak (UNIX)
- APAR list
 - ▶ cumulative list of customer found bugs fixed.
- Fixpak Readme
 - ▶ install instructions, READ IT!

APARLIST.TXT example

```
*****
Product Name : DB2 UDB V7 for Windows
PTF Number   : WR21311
Package Date : Fri Sep  6 12:34:43 EDT 2002
Build Level  : s020616
*****

APAR fixes included in WR21311 (Fixpak 7)

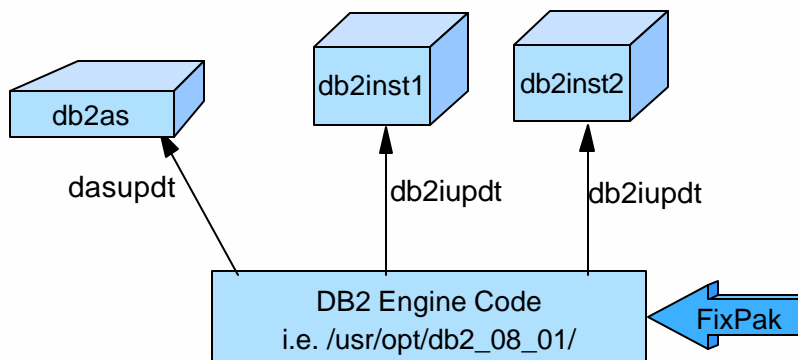
APAR No.  Abstract
-----
GG04246   DATA LOSS WITH DATAPROPAGATOR APPLY WHEN THE SET HAS A LARGE
          NUMBER OF MEMBERS AND THE SOURCE IS A CCD.
GG04250   APPLY DOES NOT TERMINATE WHEN COPYONCE IS SPECIFIED AND
          THE SET FAILS WITH A -1.
GG04251   APPLY COULD MISS THE HINT AND RESULT IN MISSING ROWS IF
          CAPTURE ENCOUNTERS -911
GG04257   WHEN ASNLOAD IS CALLED BY APPLY A HIGH CPU CONDITION WOULD
          OCCUR FOR THE LENGTH OF THE LOAD PROCESS.
IC32991   STORED PROCEDURE CALL CRASHES CLP DUE TO INVALID ARGUMENTS
IY18439   BUFFER POOL LOGIC ERRORS IN SQLB_MAKE_ROOM_IN_MAP
IY20308   UPDATING USER MAPPINGS FOR FEDERATED DATASOURCES ON EE / EEE
          IS NOT BEING SPAWNED ACROSS ALL NODES UNTIL A
          DB2STOP/DB2START.
```

DB2 Data Management Software



Applying Fixpak's (visually)

- UNIX
 - ▶ After installing the fixpak, dasupdt and db2iupdt required
- Windows
 - ▶ No additional steps required. May require reboot.



DB2 Data Management Software



Applying it (UNIX)

- Process (Full install instructions always available in readme)
 - ▶ stop all instances. ie:
 - \$ su - db2inst1
 - \$ db2stop
 - ▶ admin server
 - \$ db2admin stop
 - ▶ terminate current session
 - \$ db2 terminate

Applying it (UNIX)

- as root, run fixpak installation program
 - ▶ <fixpack downloadaddr>/installFixPak
- for each instance (i.e. db2inst1)
 - run <db2 install path>/instance/db2iupdt <instance>
 - to get a list of all instances that currently exist:
 - ◆ <db2 install path>/instance/db2ilist
- for Admin Server (i.e. dasusr1)
 - run <db2 install path>/instance/dasupdt dasusr1
 - to list the admin server name, run:
 - ◆ <db2 install path>/instance/dasilist

Applying it (cont..)

- restart your instances and the admin instance
 - ▶ db2start, db2admin start
- finally:
 - ▶ for each database, rebind packages:
 - db2 CONNECT TO <dbname>
 - db2 BIND \$DB2DIR\BND\@db2ubind.lst GRANT PUBLIC
 - db2 BIND \$DB2DIR\BND\@db2cli.lst GRANT PUBLIC
- Sometimes, optional features exist (see FixpakReadme.txt)
 - ▶ i.e. enable new functionality provided in a fixpak to an older database
- take a new backup of your databases

troubleshooting..

- db2start hangs
 - ▶ ensure db2iupdt <instance> has been run after applying fixpak.
 - ▶ solution:
 - kill all db2 processes related to that instance
 - ipclean
 - run db2iupdt <instance>
- db2admin start hangs
 - ▶ dasiupdt <admin svr> has not been run after applying fixpak.
 - ▶ solution:
 - kill all processes owned by admin server (dasusr1)
 - ipclean
 - run dasupdt <admin svr>