Creating The Sample Database in DB2/6000 Version 1

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About This Document

This document discusses how to create a Sample Data Base (DB v1) on AIX and is applicable to versions 3.2.5 and 4.1.

This document is designed to walk you through creating the sample database for an instance, starting up DB2 and then shutting down DB2. These steps presuppose the existence of an instance. You will need to change the user and group names supplied in this document with your own. If you do not have an instance you may want to request from your support center; "Making an Instance for DB2 (v1.1-1.2) on AIX", or "Making an Instance for DB2 (v2.1) on AIX", depending on which version of DB2 you are running.

Creating the Sample Database

1. Login in as the instance owner.

   ```
   login: inst1
   password inst1: (enter password)
   ```

2. Start the DB2 engine:

   ```
   $ db2start
   ```

3. Create this sample database. Type the command:

   ```
   $ $HOME/sqllib/misc/db2sampl
   ```

   Note: This database will take between 12 and 13 Megs of space.

4. Invoke the Command Line Processor.

   ```
   $ db2
   ```

   The new prompt will look like:

   ```
   db2 =>
   ```

5. Connect to a data base using the connect command:

```
db2 => connect to sample
```

Database Connection Information

```
Database product       = DB2/6000 1.2.0
SQL authorization ID   = INST1
Local database alias   = SAMPLE
```

Use the DB2 command set provided in your manuals.

6. Show the tables in the database by running:

```
db2 => select name, creator from sysibm.systables
```

Output is:

```
NAME                CREATOR
------------------- --------
ORG                 INST1
STAFF               INST1
SYSCOLUMNS          SYSIBM
SYSDBAUTH           SYSIBM
SYSINDEXAUTH        SYSIBM
SYSINDEXES          SYSIBM
SYSPLAN             SYSIBM
SYSPLANAUTH         SYSIBM
SYSPLANDEP          SYSIBM
SYSRELS             SYSIBM
SYSSECTION          SYSIBM
SYSSTMT             SYSIBM
SYSTABAUTH          SYSIBM
SYSTABLES           SYSIBM
SYSVIEWDEP          SYSIBM
SYSVIEWS            SYSIBM

16 record(s) selected.
```

Or run:

```
db2 => list tables
NAME                CREATOR  TYPE CTIME
------------------- -------- ---- --------------------------
ORG                 ALLAN    T    1995-02-24-11.13.40.447666
STAFF               ALLAN    T    1995-02-24-11.13.41.018470

2 record(s) selected.
```

You can now use SQL commands or follow along the with the DB2/6000 "Administration Guide", administration-1571-00, Chapter 2.

7. Disconnect using the command below:

```
db2 => connect reset
```

8. To quit out of a DB2 session and return to the AIX command line you should use 'quit' or 'terminate'.

The 'quit' command will return you to a system prompt and leave you connected to a database.

The 'terminate' command is the same as a quit **Except** it will disconnect you from any database.

Note: If you run a 'connect reset' and then a 'quit', it is the same thing as running a 'terminate'.

Dropping The Sample Database

To get rid of the "sample" database you will need to drop the DB and cleanup after it.

1. Drop the DB:

```
$ db2 drop database sample
DB20000I  The DROP DATABASE command completed successfully.
```

2. Clean up after the DB has successfully been dropped:

```
$ db2sgmgr -clndb /library/inst1/inst1/SQL00001
```

3. Exit from DB2.

   You will need to stop all DB2 processes and daemons using the 'db2stop' and 'terminate' commands. These commands assume that you have run the 'quit' command and are run from the AIX inst1 owner's prompt.

```
$ db2 force application all
$ db2 terminate
$ db2stop
```

   "db2stop" will stop the DB2 engine and all associated processes.

Further Considerations

You will want to read through the "Administration Guide", prior to making your own DB. This document provides a start to understanding simple SQL statements and basic database administration (DBA). If at any time you run into a command which is not working or have question contact your support center for further assistance.

Reader's Comments

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