

Chapter 31: The UPS Configuration File

A **UPS** database can be configured and customized using the file `dbconfig`, described in this chapter. This file is usually maintained in the location `$PRODUCTS/.upsfiles/dbconfig`. It is used to define keywords which control quantities such as:

- which nodes can access products maintained in the database
- the directory under which products are installed
- which products will have usage statistics collected
- the directories for product **man** pages and **Info** files
- the directory containing the **UPS** initialization files
- the directory containing the **UPD** configuration file
- the **UPS** database version

A template `dbconfig` file is available in `$UPS_DIR/ups/dbconfig.template`.

31.1 dbconfig File Organization

The `dbconfig` file consists of keyword definitions. It always has as its first line:

```
File = dbconfig
```

to identify itself to the system. The additional keywords can be in any order.

31.2 Keywords Used in dbconfig

Keyword	Description and Notes
AUTHORIZED_NODES	nodes authorized to access the database (set value to “*” to allow all nodes access; for a list of nodes, separate nodes with colons)
CATMAN_TARGET_DIR	directory into which catman files are to be copied
FILE	type of file (must be set to DBCONFIG)
HTML_TARGET_DIR	directory into which html files are to be copied <i>Not yet supported.</i>
INFO_TARGET_DIR	directory into which Info files are to be copied
MAN_TARGET_DIR	directory into which formatted man pages are to be copied
NEWS_TARGET_DIR	directory into which news files are to be copied (for posting to a newsgroup) <i>Not yet supported.</i>
PROD_DIR_PREFIX	product root directory prefix (directory under which all or most product instances are maintained); must be an absolute path
SETUPS_DIR	location of <code>setups.[c]sh</code> files and other UPS initialization files (note that “courtesy links” in <code>/usr/local/etc</code> should be created to point to this directory; see section 2.7.1 <i>Initializing the UPS Environment</i>)
STATISTICS	flag to record statistics for specified products (see section 28.6.3 <i>STATISTICS</i> for usage information)
UPD_USERCODE_DIR	directory where UPD configuration file is maintained (usually <code>\$PRODUCTS/.updfiles/</code>)
UPS_DB_VERSION	UPS database version

31.3 Sample dbconfig File

```
FILE = DBCONFIG

# all nodes can read/use the products declared in this db
AUTHORIZED_NODES = *

# all product roots are under /fnal/ups/prd
```

```
PROD_DIR_PREFIX = /fnal/ups/prd

# keep statistics about the following products:
#   (uncomment to get stats!)
# STATISTICS = ups:upd:perl

# manpages, info files, get copied here:
MAN_TARGET_DIR = /fnal/ups/man
CATMAN_TARGET_DIR = /fnal/ups/catman
# INFO_TARGET_DIR = /fnal/ups/Info

# automatic html and news processing not yet supported
# HTML_TARGET_DIR = /dev/null
# NEWS_TARGET_DIR = /dev/null
```

```
# setups.[c]sh scripts are copied here
# ('courtesy links' in /usr/local/etc should point here):
SETUPS_DIR = /fnal/ups/etc

# upd configuration for this db are here:
UPD_USERCODE_DIR = /fnal/ups/db/.updfiles
```