NAME

ttdbck – display, check, or repair ToolTalk databases

SYNOPSIS

ttdbck [*selection opts*] [*diagnosis opts*] [*display opts*] [*repair opts*]
[*data-base-directory*]...

DESCRIPTION

ttdbck is the ToolTalk database maintenance tool. It allows direct inspection of ToolTalk spec data, detection of inconsistencies, and repair of problems.

OPTIONS

data-base-directory
: Names the directory or directories containing the ToolTalk database to be inspected or repaired. If no directories are named, the current directory is assumed. If a directory path does not end in ''TT_DB'', ''TT_DB'' is appended.

The user running the command must have read access to the files in the directory to inspect the data and write access to repair the data. Since ToolTalk databases are typically accessible only to root, this command is normally run as root.

Selection options

The selection options determine which specs in the database are displayed or modified. If no selection options are given, all specs in the database are displayed. To prevent massive accidental changes to ToolTalk databases, no repair options except **-I** are allowed unless a selection or diagnosis option is given.

–f *filename*
: Restricts the set of specs to be inspected or modified to those which describe objects in the named file. The file name can contain shell-style wildcards which must be escaped to prevent the shell from expanding them.

–k *objidkey*
: An object id key, specifying a particular spec to be displayed or modified. The object id key can be obtained from a previous invocation of **ttdbck**; one might display a set of specs, determine the one that needs repair, and specify its key here.

–t *type*
: Restricts the set of specs to be inspected or modified to those with otype *type.* The type name can contain shell-style wildcards which must be escaped to prevent the shell from expanding them.

Diagnosis options

These options check for and report on inconsistencies in the selected specs. Only specs selected by the selection options are checked. If a diagnosis option is given, any display or repair option is applied only to specs which fail the diagnostic check.

–b
: Check for badly formed specs: those which have no file or type or those which have types not defined in the type database.

–x
: Check for specs which refer to files that no longer exist.

Display options

These options determine which data is printed for each selected spec.

–i
: Display the object id (including the object id key.)

–m
: Display the mandatory data that must appear in every spec: the otype of the

object described by the spec and the file in which the spec is stored.

–p Display all the properties and values for each selected spec.

–a Display all data (equivalent to specifying –**imp**)

Repair options

–I Invoke the NetISAM isrepair() function for all files accessed. This action is applied before any other inspection or repair action. This option should be used when normal operations return EBADFILE (error code 105).

–F *filename*
Change the file name for the selected specs to the supplied file name.

–T *otypeid*
Change the type of the selected specs to the given otype.

–Z Remove the selected specs entirely.

EXAMPLES

ttdbck -bxi /home

In the /home/TT_DB directory, finds all badly formed specs and specs that refer to non-existent files and prints their ids.

ttdbck -f /home/sample/data -F /home/sample/data1 /home

In the /home/TT_DB directory, finds all specs that refer to objects in file /home/sample/data and changes them to refer to /home/sample/data1.

ttdbck -t Sample_Otype_Name -Z /export/TT_DB

In the /export/TT_DB directory, finds all specs that refer to objects of type *Sample_Otype_Name* and deletes the specs.

FILES

/path/TT_DB ToolTalk database

NOTES

The **ttdbck** command should be run on the same machine where the TT_DB files being inspected and repaired physically exist. That is, don’t try to access the TT_DB files via NFS.