



# Common Command-Line Utilities

The following topics are covered in this chapter:

- DSREPAIR
  - Launching DSREPAIR
  - DSREPAIR command-line options
- DSTRACE
  - Understanding the different DSTRACE modules
  - Monitoring the DSTRACE operations
- NDConfig
- LDAPConfig
- EDIRUTIL
- ICE

iManager and NDS iMonitor are the key cross-platform tools for eDirectory. They are web-based tools, which means you do not need to have direct access to the server console. They are also operating system-independent, which decreases costs because you do not need to train your personnel on different tools based on the operating system. However, for the power administrator, sometimes it is quicker and more efficient to use the command-line utilities to perform monitoring and maintenance on the directory.

This chapter discusses the most prevalent command-line tools that come with eDirectory. This chapter does not go into full detail about all the options of each tool. To obtain full information about the tools, refer to the *eDirectory Administration Guide* at <http://www.novell.com/documentation> or refer to the man pages for the specified tool on the Linux, Solaris, AIX, and HP-UX platforms.

## DSREPAIR

The DSREPAIR utility is designed to check the eDirectory database for inconsistencies. There are many different checks that can be performed against the database. DSREPAIR checks for things like future time stamps, structural errors, object value violations based off of the current schema, time synchronization, replica synchronization, etc.

DSREPAIR also has limited abilities to administer the database. You can cancel partition operations, import schema, change master replicas to read/write replicas, remove replicas from the system, remove other servers from the replica rings, declare epochs, etc.

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**Warning** You should use DSREPAIR as an administration tool only as a last resort. Your default administration tool should be iManager or ConsoleOne. DSREPAIR does not have as many built-in checks to verify that it can perform the administrative task that is requested. DSREPAIR has the perspective of the local database only. It is possible to damage your tree structure and possibly experience data loss by performing the wrong option at the wrong time in DSREPAIR. Make sure that you know what you are doing before performing administrative options.

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## Launching DSREPAIR

The methodology for running DSREPAIR changes for each platform. Tasks 10-1 to 10-3 provide the steps to launch DSREPAIR from each of the eDirectory-supported platforms.

### Task 10-1. Accessing DSREPAIR from NetWare

1. Go to a system console prompt.
  2. Type **sys:\system\dsrepair.nlm** *<any command-line option>* (e.g., **sys:\system\dsrepair.nlm -rd**).
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