



# Migration Methodologies

**T**he following topics are covered in this chapter:

- Updating the program files
  - NetWare
  - Microsoft Windows
  - Solaris and Linux
- Migrating the eDirectory Database (DIB) to eDirectory 8.7.3.x
  - Migrating the DIB from NDS 6.x or NDS 7.x to eDirectory 8.5
  - Migrating the DIB from NDS 8, eDirectory 8.5, eDirectory 8.6, or eDirectory 8.7 to eDirectory 8.7.3
- Mixed-environment considerations
  - Loss of trustee assignments
  - Unknown objects
- Administration options
  - NWAdmin
  - ConsoleOne
  - iManager
- Protocol considerations when introducing multiple platforms

An eDirectory migration consists of two key functions. First, the binaries are upgraded. Second, the database is migrated. These processes can get complex when performing migrations in an existing environment that is running older versions of NDS and eDirectory. With some insight about known issues that could arise during the migration phase, you can cleanly

upgrade your eDirectory environment with little if any down time or data loss. The following are a few items that are considered in this chapter:

- *Migration methods:* Novell has provided methods to migrate older versions of NDS and/or eDirectory to eDirectory 8.7.x. Regardless of the platform or the migration method used, the following basic processes always are performed during an eDirectory migration (this chapter discusses these processes for each supported platform and each migration method):
  - *Product upgrade:* Old NDS or eDirectory program files need to be replaced with the new ones. This process is handled differently depending on the method you choose and the platform from which you are migrating eDirectory.
  - *Schema extension:* If the server being migrated is the first eDirectory 8.7.x server in the tree, you need to update the schema for the tree before you migrate the eDirectory database.
  - *Database upgrade:* The NDS or eDirectory database (FLAIM) is upgraded. With each new version of NDS and eDirectory, Novell has enhanced FLAIM to be more secure, more scalable, more fault tolerant, and faster.
- *Mixed-environment issues:* There are precautions that you need to be aware of when introducing eDirectory 8.7.x into an environment with older versions of NDS and/or eDirectory.
- *Administration changes:* With eDirectory 8.7.x, Novell has introduced new ways of administration. Also, some old ways of administering your NDS or eDirectory environment no longer work.
- *Protocol considerations:* Because Linux, AIX, HP-UX, Solaris, Windows, and NetWare 6.x are all supported with eDirectory 8.7.x, the proprietary IPX protocol is becoming more and more obsolete. This can cause issues during a migration to eDirectory 8.7.x. This chapter points out most of the pitfalls involved with protocol issues.

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**Note** Hereafter in this chapter, the Linux, AIX, HP-UX, and Solaris platforms are referred to as \*nix when speaking of the group collectively.

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There are different methods used to update the program files and the eDirectory database. Although some components are similar on each platform,