

HP Tru64 UNIX Enterprise Directory Version 5.6

and

Administrator for Enterprise Directory Version 2.2

Read Before Installing

HP Tru64 UNIX Enterprise Directory V5.6 is an upgrade of HP Tru64 UNIX Enterprise Directory V5.5 ECO1.

Read the Release Notes before installing this kit.

Prerequisite Software

Before you install the Tru64 UNIX Enterprise Directory V5.6, ensure that you have the following installed and working:

- Tru64 UNIX V5.1B-3 or later.
- Optionally,
 1. For LDAPv3 over SSL, OpenSSL 0.9.6g for Tru64 UNIX V5.1A or later.
 2. DECnet-Plus V5.1B-3 for Tru64 UNIX, or later. (This is required if you intend to run X.500 protocols over an OSI network.)

Upgrading from a Previous Version of the Directory

On Tru64 UNIX, Version 3.0 and later of the Directory, the DSA uses memory image files instead of snapshot files. Memory image files are specific to the version of the kit. This applies to all versions (SSB, ECO kits, and FT kits). Therefore, your current memory image files cannot be used by this kit. To use your existing database with this kit, create a snapshot file of your database before you upgrade.

To create a snapshot file, disable and delete the DSA using the following NCL commands:

```
ncl> disable dsa
```

```
ncl> delete dsa to snapshot
```

After installing this release, use the following NCL commands to recreate the DSA:

```
ncl> create dsa from snapshot
```

```
ncl> enable dsa
```

When the DSA has been recreated and enabled successfully, you can delete the snapshot file from the DSA system as follows:

```
# rm /var/dxd/DSA-information-tree.snapshot*
```

The DSA does not need this file any longer, so you can save disk space by deleting it. Do not delete any of the other database files.

The upgrade renames each network template file in the sub-directory */var/dxd/scripts* by appending *.savn* to the file name. For example, *create_inbound_clns_template.ncl* becomes *create_inbound_clns_template.ncl.sav1*.

If any of the schema files from a previous installation have been edited, the upgrade saves all schema files to a subdirectory called */var/dxd/savn* where *n* is a number. The schema data file *dxd_schema.dat* is also saved to that directory.

New Features in this Release

- Password Policy

HP Enterprise Directory Version 5.6 implements the password policy as defined in Draft Behera. The policy provides the ability to ensure the secure read and update access to directory information throughout the network. The policy is applied on a password that is used to authenticate. The policy also includes the following:

- Whether and when passwords expire
- Whether failed bind attempts cause the account to be locked and
- If and how users are able to change their passwords.

The password policy can be applied to any attribute holding a users password used for an authenticated LDAP bind operation. Here the term user represents any LDAP client application that has an identity in the directory.

For details on usage and applicability of password policy as defined in Draft Behera, see Section 11 in the HP Tru64 UNIX Enterprise Directory Release Notes.

- Password Hashing

HP Enterprise Directory Version 5.6 implements hashing of the users password. Here the term user represents any LDAP client application that has an identity in the directory. The directory server provides options of crypt and the algorithms supported by OpenSSL_add_all_digests() function of OpenSSL library with which the users password can be hashed.

For details on usage and applicability of password hashing, see Section 12 in the HP Tru64 UNIX Enterprise Directory Release Notes.

- Sample Cluster Application Availability Script on Tru64 UNIX

A sample Cluster Application Availability (CAA) script for achieving HP Enterprise Directory failover capability on Tru64 UNIX cluster (TruCluster) environment and steps to register and invoke CAA script have been added to Section 13 in the HP Tru64 UNIX Enterprise Directory Release Notes.

- Enabling Memory Tracing Facility

Memory tracing facility is added to this version of DSA, which can be turned on as required for faster diagnostics of DSA. For details on enabling memory tracing facility, see Section 14 in the HP Tru64 UNIX Enterprise Directory Release Notes.

- Support for Samba Schema 3.0

Samba 3.0 Schema elements are supported in this version of HP Enterprise Directory. For details on Samba 3.0 schema elements, see Section 15 in the HP Tru64 UNIX Enterprise Directory Release Notes.

Configuration Tutorials

Chapter 2 and Chapter 3 of *Tru64 UNIX Enterprise Directory — Management* provide configuration tutorials. If you are installing Enterprise Directory products for the first time, you might find the tutorials a useful introduction to managing the product.

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