

# Tru64 UNIX Enterprise Directory

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## Installing

**Revision/Update Information:**    Version 5.5

This kit also contains HP Administrator for Enterprise Directory V2.2.

Checklist:

1. Read the *Read Before Installing* document.
2. **If upgrading from a previous version, you must create a snapshot file of your current database, using these commands:**

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

3. Deinstall previous version of the Directory.
4. Check prerequisite software, diskspace, and licenses.
5. Install Version 5.5 of the Directory (release notes subset first).
6. Use setld -v to verify the installation.
7. If DECnet-Plus is installed then run the create\_templates procedure.
8. If upgrading or reinstalling, recustomize any customized files, specifically:

The schema files (recompile the schema if you customize it)  
dxd\_dsa\_startup.ncl (was called start\_dsa.ncl prior to DSA V5.3)  
dxd\_dsa\_shutdown.ncl (was called stop\_dsa.ncl prior to DSA V5.3)  
dxd\_dsa\_process  
start\_dsa\_event\_dispatching.ncl

The deinstallation of the previous version saves files that might be customized. See *Read Before Installing* for more information.

9. Start the Directory Service.

**If upgrading from a previous version, create the DSA from the snapshot file:**

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

## 1 Prerequisite Software

- Tru64 UNIX™ V5.1A or later.
- Optionally,
  1. For LDAPv3 over SSL, OpenSSL 0.9.6g for Tru64 UNIX 5.1 or higher, or later.
  2. DECnet™-Plus V5.1A for Tru64 UNIX, or later (This is required if you intend to run X.500 protocols over an OSI network.)

## 2 Information Required

Before you install the Tru64 UNIX Enterprise Directory, make sure you know the location of the installation kit. This is either a device name or a mount point.

## 3 Disk Space and Time Required

The installation subsets require the following free disk space in kilobytes on /usr: and /var

Component	in /usr	in /var
Base (mandatory component)	3000	500
Server	4000	50
Admin <sup>1</sup>	4300	600
API	7800	—
LUC	8300	—
Relnote	300	—
Man	300	—
HP AED <sup>2</sup> Windows kit	—	62500
HP AED Utility	—	47500
Total	28 Mb	111 Mb

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<sup>1</sup> This is not the HP Administrator for Enterprise Directory; it is the Admin component.

<sup>2</sup> This is the HP Administrator for Enterprise Directory; it is the Windows GUI for managing the Directory.

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You are recommended to back up your system disk before the installation.

Installation of all components takes approximately 15 minutes.

## 4 Product Licenses

Before you install the software, you must register one or more of the following licenses: X500-DIRECTORY-SERVER, X500-SERVER-USAGE, and X500-ADMIN-FACILITY.

## 5 Before Upgrading from a Previous Version of the Directory

On Tru64 UNIX 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.

## 6 Release Notes and Read Before Installing Document

The release notes are provided in a Relnote subset. You are recommended to install the Relnote subset and read the release notes before installing any other subsets.

The product documentation includes a *Read Before Installing* document, which you are recommended to read before installing any components.

## 7 Installing the Tru64 UNIX Enterprise Directory and HP Administrator for Enterprise Directory

Log in with superuser privileges. Make sure you are in the root directory.  
Type:

```
# setld -l source
```

where *source* is either a mount point directory or a device-specific file name of the installation kit.

The installation procedure displays a menu. Select the components that you want to install, and follow the instructions.

The Base component is a prerequisite for all Enterprise Directory components, and is required on all systems from which you want to manage the Directory Server, and all systems on which you want to run directory applications.

HP Administrator for Enterprise Directory is an optional subset.

### Installing on a Distributed Computing Environment System

If you install the DCE software after the Directory, you will need to reinstall the Directory. Make sure that the DCE software is installed before the Directory.

### Files Saved When Deinstalling

The installation procedure saves some files if you use setld to deinstall a subset.

The files that are saved are as follows:

```
/var/dxd/scripts/create_inbound_clns_template.ncl  
/var/dxd/scripts/create_inbound_cons_template.ncl  
/var/dxd/scripts/create_outbound_clns_template.ncl  
/var/dxd/scripts/create_outbound_cons_template.ncl  
/var/dxd/scripts/start_dsa_event_dispatching.ncl  
/var/dxd/scripts/dxd_aci_template.dxim  
/var/dxd/scripts/dxd_dsa_startup.ncl  
/var/dxd/scripts/dxd_dsa_shutdown.ncl
```

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### Note

Prior to DSA V5.3 release, the file `dxd_dsa_startup.ncl` was called `start_dsa.ncl`, and the file `dxd_dsa_shutdown.ncl` was called `stop_dsa.ncl`.

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## 8 HP Administrator for Enterprise Directory

If you want to use HP Administrator for Enterprise Directory<sup>†</sup> for management of your directory, you should first install the components "HP Administrator for Enterprise Directory — Windows" and "HP Administrator for Enterprise Directory — Utility". When the installation is complete, copy the file `directoryadministrator.exe` from `/var/dxd/caed_win32` to your PC. This file is an executable program that when run on a PC will install HP Administrator for Enterprise Directory.

You can also check for a later version of the program that can be downloaded directly onto a PC from

([http://www.openvms.compaq.com/commercial/edir/edir\\_mgt\\_gui\\_download.html](http://www.openvms.compaq.com/commercial/edir/edir_mgt_gui_download.html)).

## 9 Handling Errors

If an error occurs during installation, make sure that you have the correct prerequisite software and sufficient disk space. Repeat the installation, keeping a log of the messages displayed. If the problem occurs at the same point, refer to *Tru64 UNIX Enterprise Directory — Problem Solving*.

## 10 Verifying the Installation

To verify that all installed files are in the correct locations and have the correct protections, type:

```
# setld -v subset
```

where *subset* is one or more of DXDABASE540, DXDASRVR540, DXDADXIM540, DXDARELNOTE540, DXDAAPI540, DXDALUC540, DXDAMAN540, DXDAADMWIN220 and DXDAADMUTIL220.

## 11 Tasks After Installation

After installation, if you have DECnet-Plus installed, you need to run a procedure that creates OSI transport templates required by the directory components, as follows:

If you do not run this procedure after installation, you will be unable to use the directory components on this system until the next system reboot.

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<sup>†</sup> See the file `ReadMe.txt` in the HP Administrator for Enterprise Directory kit for details.

You can now configure the Tru64 UNIX Enterprise Directory as described in *Tru64 UNIX Enterprise Directory — Management*.

If you are upgrading from a previous version, then you may have saved copies of schema files. Modify the schema files provided by this installation to include any customizations you made to the previous version, and then recompile the schema. You can then start the DSA.

Note that if DECnet or DCE software are installed after you install the Directory Service, you will need to reinstall the Directory Service.

## 12 Further Information

*Tru64 UNIX Enterprise Directory — Problem Solving* contains a list of the files that should be present on your system after installation, their locations and approximate sizes. The guide also lists errors that you might see during installation and verification and explains what to do if they occur.

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