Addendum for HP-UX 10.30

HP CDE Getting Started Guide

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Using this Addendum

This addendum replaces chapters 1 through 4 of the *HP CDE Getting Started Guide*.

This addendum contains information for:

- Preloaded HP-UX 10.30 systems (Instant Ignition).
- Systems updated from HP-UX 10.* to HP-UX 10.30.
- Systems upgraded from HP-UX 9.* to HP-UX 10.30.

The other chapters of the *HP CDE Getting Started Guide* are still applicable for CDE running on HP-UX 10.30 systems. In those chapters, disregard specific references to HP-UX 10.01 or HP-UX 10.10.

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Introduction to HP CDE

Note This chapter replaces chapter 1 of the *HP CDE Getting Started Guide*.

CDE stands for "Common Desktop Environment," and is an environment for interacting with your workstation. When CDE is running on your system, it is said to be your system's "desktop."

CDE was designed to run on many hardware platforms sold by numerous UNIX workstation manufacturers. Thus, it is considered a "standard" desktop.

HP CDE is HP's version of CDE. It includes:

- All the functionality of the standard CDE product (called the *CDE standard implementation* or *standard CDE*).
- Enhancements added by HP.

Where to Get Information on Using CDE

Starting CDE on a Preloaded System

If your workstation is a CDE preloaded (Instant Ignition) system, it has been configured to automatically run CDE. However, there is some initial system setup you must perform. See "Starting a Preloaded CDE System" in Chapter 2.

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HP-Specific Information about CDE

That's what this manual covers, including:

- How to install and start CDE.
- HP enhancements to CDE.
- How to migrate customizations made to HP VUE into CDE.

Standard CDE Users Information

The standard CDE desktop is described in:

- The online help for the CDE applications—for example, File Manager Help and Style Manager Help.
- The *Common Desktop Environment User's Guide*.

Standard CDE System Administration Documentation

System administration for CDE is covered in the *Common Desktop Environment Advanced User's and System Administrator's Guide*.

Application Administration Online Help

To display a help volume covering many system administration tasks involved with adding and administering applications:

1. Open the Help Manager by clicking the Help Manager control in the Front Panel.
2. Click the hyperlink Common Desktop Environment.
3. Click the hyperlink Administering Desktop Applications.

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HP Enhancements to CDE

HP's enhancements to CDE include:

- A suite of multimedia applications called *MPower//Web*. See "The MPower//Web Applications" in Chapter 3.
- The `hpterm` terminal emulator.
- Several system administration enhancements that optimize CDE on HP systems.
- Tools for migrating from the HP VUE desktop to CDE.
  - VUEtoCDE. Users can run VUEtoCDE to migrate personal customizations such as the Personal Toolbox and Front Panel. System administrators can run VUEtoCDE to migrate system-wide changes such as the General Toolbox and system-wide key and button bindings.
  - An uninstall script for HP VUE.

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Starting CDE

Note This chapter replaces chapters 2 and 3 of the *HP CDE Getting Started Guide*.

This chapter covers how to start CDE on:

- A preloaded (Instant Ignition) HP-UX 10.30/CDE system.
- A system updated or upgraded to HP-UX 10.30.
- A new, non-preloaded system with HP-UX 10.30 media.

Starting a Preloaded CDE System

If you have not yet installed your workstation, see the *Hardware Installation Guide*.

Once your workstation is installed, follow the instructions in this chapter for starting it for the first time.

Getting Required Information

The start-up procedure for your workstation will require you to supply the following information. Therefore, you should find out this information before you turn the workstation on for the first time.

Note If you do not have some of this information, you can add that information later. You should add the information as soon as possible.

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- *hostname* _____

  The hostname is sometimes called the "system name."

- *Internet Protocol address* _____

  You will need this address if you are connecting the workstation to a local area network.

- *time zone* _____

  This is the time zone where the workstation is located.

- *Optional networking parameters*.

  Ask your system administrator if you need to configure these parameters.

  Subnetwork mask _____

  Network gateway IP address _____

  Local domain name _____

  DNS server host name _____

  DNS server IP address _____

  Network Information Service domain name _____

- *Optional font server parameters*.

  You need to supply these parameters if you want the workstation to obtain its fonts on a network server. Ask your system administrator if you need to configure these parameters.

  Font server name _____

  Font server IP address _____

Turning on the Power

1. Turn on the monitor and any external peripherals (for example, printers) connected to the workstation.
2. Turn on the workstation.

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The workstation will run a series of self-tests. For information about these self-tests, see the troubleshooting chapter of the *Owner's Guide*.

3. After two or three minutes, a series of messages is displayed as various hardware and software subsystems are activated.

   Unless something is wrong with your system, you are not asked to respond to these messages.

4. A series of windows appears requesting the information you gathered in the previous section, such as your hostname, IP address, and time zone. Enter the information as it is requested.

Note You should enter the hostname when requested; otherwise, you will get an error message when you log in.

If you do not have other pieces of information, press Return or Enter to use the default value. You can provide missing information later by logging into a terminal emulator window as superuser and executing the command:

```
/sbin/set_parms
```

---

5. You are now asked if you want to set a root password. Specify the root password now.

   The root password is the password used for the superuser account. The superuser is a special user who has permission to perform all system administration tasks. The user name for the superuser is `root`.

6. When you have finished answering all the questions, the workstation completes its startup sequence and displays the CDE login screen.

7. Log into your first CDE session as `root`. For information on logging into CDE, see the *Common Desktop Environment User's Guide*.

Note You must log into the first session as `root`. This is because the system contains no other user accounts. Once you have created user accounts, you should log out as superuser and log back in as one of the other users.

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8. Use SAM to set up user accounts.

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To Set User Accounts

1. Open the System_Admin application group in the Application Manager and double-click SAM.

   This starts SAM—the System Administration Manager.

2. In the SAM main window, double-click Users and Groups. This opens the Users and Groups window.
3. Double-click Users. This opens the Users window.
4. Choose Add from the Actions menu. This opens the Add a User Account window.
5. Fill in the text fields:

   a. In the Login Name text field, type the user name for the new account.
   b. Use the SAM online help for instructions on filling out the other fields.

6. Click OK. This opens the password window. Type a password and click OK. At the request to re-enter the password, type it again and click OK.
7. Then the Task Completed message appears, click OK.

Repeat this procedure for each user account.

Installing and Running CDE on a New, Non-Preloaded System

Installation of HP-UX 10.30 automatically:

- Installs CDE.
- Configures the workstation to run CDE automatically each time the system is rebooted.

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Starting CDE on an Updated or Upgraded Workstation

This section describes how to install and configure CDE on:

- Existing 10.* systems being updated to HP-UX 10.30.
- Existing 9.* systems being upgraded to HP-UX 10.30.

Installing and Running CDE on Updated Systems

When a system is updated from previous 10.* releases to HP-UX 10.30, and the "Match What Target Has" install option is chosen, then:

- CDE is automatically installed onto the system.
- The system is configured to automatically run CDE.

This applies both to systems that contain previous versions of CDE, and those that do not. Refer to the installation instructions accompanying the media (tape or CD) for additional update instructions.

Systems that previously ran CDE

If the system already has CDE installed, then the files in `/usr/dt` are replaced with the newest version of those files. This has no effect on system-wide or personal customizations.

Systems that previously ran HP VUE

Since HP VUE is obsolete with HP-UX 10.30, "Match What Target Has" automatically provides CDE as the replacement desktop and installs CDE files.

Installation of HP-UX 10.30 does *not*:

- Remove HP VUE files.
- Convert any system-wide or personal HP VUE customizations to the CDE desktop.

  HP-UX 10.30 provides an application, VUEtoCDE, that migrates most HP VUE customizations to CDE.

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Installing and Running CDE on Upgraded Systems

The upgrade from HP-UX 9.* to HP-UX 10.30 is a two-step procedure:

1. The system is upgraded from HP-UX 9.* to HP-UX 10.01 or HP-UX 10.10. During this upgrade, HP VUE configuration files are moved to new locations consistent with the HP-UX 10.* file organization. For example, system-wide customizations in `/usr/vue/config` are moved to the new location for system-wide customizations—`/etc/vue/config`.
2. The system is updated to HP-UX 10.30. During this update, CDE is automatically installed. See "Installing and Running CDE on Updated Systems".

Removing HP VUE and HP MPower

HP VUE and HP MPower are not supported on HP-UX 10.30 or later releases.

Note HP MPower is *not* the same product as HP MPower//Web. The MPower//Web product *is* supported on HP-UX 10.30.

It is recommended that you remove the HP VUE and HP MPower factory-installed filesets from your system to recover the disk space they occupy.

Note Removing the factory-installed filesets will not remove system-wide and personal HP VUE customizations, assuming those customizations were not made in locations reserved for built-in configuration files. If you are uncertain about the locations of your customizations and you want to preserve them in CDE, you should delay removal of HP VUE until you've run the VUEtoCDE migration tool.

To remove HP VUE and/or HP MPower:

1. Double-click "Uninstall HP VUE" in the System_Admin application group in the Application Manager.

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2. Follow the instructions in the displayed dialog boxes.

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Additional Desktop Applications and Enhancements

Note This chapter replaces chapter 4 of the *HP CDE Getting Started Guide*.

This chapter covers additions to CDE provided by HP, including:

- The MPower//Web set of applications.
- The `hpterm` terminal emulator. `hpterm` is a Term0-compatible terminal emulator.
- System administration enhancements.

The MPower//Web Applications

Note MPower//Web is provided on preloaded 10.30 systems. For non-preloaded systems, MPower//Web can be installed from the HP-UX Applications Release 10.30 media.

MPower//Web is a collection of multimedia and collaboration applications that run in the CDE environment.

The MPower//Web applications provide:

- A World Wide Web browser.
- Multimedia applications: 2D and 3D image viewing, image printing, audio recording and playback, and video playback.
- Collaboration tools: SharedX and Whiteboard.

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When MPower//Web is installed on a system, its online help is displayed automatically in a Netscape Navigator window the first time you log in.

hpterm Terminal Emulator

This section describes how to:

- Run `hpterm`.
- Make `hpterm` the default terminal emulator.
- Modify the Terminal control in the Front Panel to run `hpterm`.

To Run hpterm

1. Open the Desktop_Tools application group in the Application Manager.
2. Double-click Hpterm.

To Make hpterm the Default Terminal Emulator

The following procedure changes the terminal emulator run by the desktop when a terminal is started—for example, when you choose Open Terminal from File Manager's File menu.

1. Copy the file `/usr/dt/appconfig/types/`*language*`/user-prefs.dt` to one of the following directories:
   - Personal customization: *HomeDirectory*`/.dt/types`
   - System-wide customization: `/etc/dt/appconfig/types/`*language*
2. Edit the MAP_ACTION field of the Terminal action definition to re-map it to the Hpterm action:

```
ACTION Terminal
{
   ...
         MAP_ACTION      Hpterm
   ...
}
```

3. Double-click Reload Actions in the Desktop_Tools application group.

To Modify the Terminal Front Panel Control to Run hpterm

1. Locate the definition for the Term control in the file `/usr/dt/appconfig/types/`*language*`/dtwm.fp`.

```
CONTROL Term
{
  TYPE                  icon
  CONTAINER_NAME        PersAppsSubpanel
  CONTAINER_TYPE        SUBPANEL
   ...
}
```

2. Copy the entire Term control definition to a new file:
   - Personal customization: *HomeDirectory*`/.dt/types/terminal.fp`.
   - System-wide customization: `/etc/dt/appconfig/types/`*language*`/terminal.fp`
3. Edit the PUSH_ACTION field:

```
PUSH_ACTION       Hpterm
```

4. Choose Restart Workspace Manager from the Workspace Menu.

System Administration Enhancements to CDE

This section covers enhancements made to CDE to optimize system administration on HP systems:

- Additions to the CDE Help Search Path.
- Setting search paths during remote execution.
- Setting the mount point for remote files.

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Additions to the Default Help Search Path

The CDE help viewer can register and display help volumes created using the HP (VUE) Help System. A help volume must be registered in order for it to:

- Appear in the Help Browser.
- Have entries in the Help Index.

CDE uses a help search path to locate and register help volumes.

The following locations and their subdirectories have been added to the default CDE help search path.

```
/etc/vhelp
/usr/vhelp
```

Systems upgraded to CDE from HP VUE generally have their existing help volumes registered into `/etc/vhelp/volumes/`*$LANG*.

Note

HP VUE and CDE have different sets of help volumes. For example, the CDE and HP VUE File Managers each have their own help volume.

If a system contains CDE and HP VUE, help volumes for both desktops are present. Applications will access the correct help volume. However, when All Volumes is selected in the Help–Index Search window, both CDE and HP VUE help volumes are listed.

Setting Search Paths During Remote Execution

CDE uses environment variables to specify search paths for application groups, icons, help files, and action/data-type files. These search paths are set during login.

If you use actions to run remote processes, you may experience unexpected behavior if the environment on the remote system differs from the local environment. For example, suppose a session server named SystemA contains the customized icon `/etc/dt/appconfig/icons/C/CUST.pm`. Since the directory `/etc/dt/appconfig/icons/C` is on SystemA's icon search path, local applications can find the icon. However, when SystemA invokes an application on SystemB that needs the icon, the icon will not be

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found. This is because SystemB will inherit the icon search path element `/etc/dt/appconfig/icons/C`, but this directory on SystemB does not contain the icon.

CDE provides a way to properly map search paths in the network. By default, this is turned off for HP-UX systems, since it can cause a decrease in performance during remote execution.

There are two ways to ensure that search paths will be properly propagated to remote systems:

- You can configure the network so that the CDE directories appear identical from every system in the network. The easiest way to accomplish this is to NFS-mount the same disk containing the CDE environment from each node.
- You can configure the system to do search path mapping by setting the `*dtEnvMapForRemote` resource.

Using dtEnvMapForRemote

The syntax for the `dtEnvMapForRemote` resource is:

```
*dtEnvMapForRemote   variable[:variable] ...
```

where *variable* is the name of an environment variable whose value is to be mapped.

For example:

```
*dtEnvMapForRemote   XMICONSEARCHPATH:DTHELPSEARCHPATH:DTDATABASESEARCHPATH
```

specifies that the CDE icon, help, and actions/data-types search paths should be mapped.

In the case of the missing `Cust.pm` pixmap, you would set the following resource on SystemB:

```
*dtEnvMapForRemote      XMICONSEARCHPATH
```

This changes the path inherited from SystemA, `/etc/dt/appconfig/icons/C`, to `/net/SystemA/etc/dt/appconfig/icons/C`. The icon will then be found if the SystemA directory is mounted on SystemB.

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Setting the Mount Point for Remote Files

To provide "network transparency" for files, CDE does automatic file name mapping. This mapping converts file paths to appropriate network paths.

When explicit mounting is done in `/etc/checklist`, CDE uses those mount points in its mapping. However, when an automounter is used, CDE assumes the mount point to be `/net`. If a different mount point is used, the DTMOUNTPOINT environment variable must be set.

Chapter 5 of the *CDE Advanced User's and System Administrator's Guide* describes how to set DTMOUNTPOINT. One step in this task involves modifying `/etc/inetd.sec`.

For HP-UX systems, the `rpc.ttdbserver` entry in `/etc/inetd.conf` should be:

```
rpc stream tcp swait  ...
```

rather than:

```
rpc stream tcp wait  ...
```


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