Getting Started with HP Domain Software

Edition 5

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1 Introducing the HP Domain Software

Who Should Read this Guide?

This guide is intended for the HP Domain Enterprise Server system administrator.

The system administrator configures and administers the HP Domain Enterprise Server and makes available network services, such as Name Services (DNS Server, DNS Client), Security Services (Anonymous FTP, Internet Services, User Accounts), and Mail Services (Netscape Messaging or Sendmail Mail Aliases) on the Domain Enterprise Server.

What this Guide Contains

This guide contains information to assist you in getting started using your HP Domain software. It is applicable to the following Hewlett-Packard software products:

- HP Domain Collaboration

- HP Domain SuiteSpot Pro

- HP Domain Service Control

- Any Netscape Server product, version 3.x, purchased directly from HP

Depending on which HP product you have, some sections in this guide may not apply to that product.

2 **Setting Up Your HP Domain Software**

Domain Software Installation

Minimum Requirements

Hardware

- HP 9000 Server
- 32 MB of memory (64 MB recommended for systems with high traffic)
- CD-ROM drive to load the software

Operating System

- HP-UX 10.20 or 11.0

Disk Space

- At least 300 MB of available disk space

Other

- Long filenames
- 2 MB swap space per Netscape server

Installing the Domain Software

Before installing the HP Domain Software, make sure you have met the minimum requirements listed above.

If you are installing the HP Domain Software for the first time, do the following:

- Install the software onto your system by running the HP-UX software installation utility `swinstall`.

NOTE   Before you can configure your HP Domain Enterprise Server, you must run the `/opt/hpwebsuite/hpsetup` startup script.

Documentation

The following documentation is included when you purchase the HP
Domain Software:

- J1582-90144: HP Domain Release Notes

- J1582-90143: *Getting Started with HP Domain Software* (this
  document)

The HP DESMS User Interface

Starting HP DESMS

If this is the first time you are running HP DESMS, you must run the `/opt/hpwebsuite/hpsetup` startup script first.

To start HP DESMS, start the HP administration server by typing **/opt/hpwebsuite/start-admin**.

Accessing HP DESMS

To begin configuration of your HP Domain Enterprise Server using HP DESMS, start a web browser that supports frames and is Java-enabled (such as Navigator 3.0) on a system attached to your network.

Point the browser to the following URL:

http://*hostname*:8181

where *hostname* is the name of the system on which you are running the HP administration server.

Enter the administration user ID (hpadmin) and password (which you configured using the `/opt/hpwebsuite/hpsetup` startup script).

This URL points to the HP Domain Enterprise Server Management System (HP DESMS). This is the HP Domain Enterprise Server web-based administration interface that allows you to:

- Control the HP and Netscape administration servers

- Configure the Internet firewall to secure your organization against intrusion

- Manage central operations and problem management for distributed systems

- Configure and administer a system in your management domain

- Monitor, add, modify, and delete nodes in your management domain

NOTE   To access external web pages, you must set the proxies for your browser.

Using HP DESMS

The HP DESMS Page

The example page below shows the main areas (or frames) of a typical HP DESMS Administration web page. Depending on the particular task you are performing, some areas of the page may not be displayed.

Figure 2-1   **Format of the HP DESMS Page**
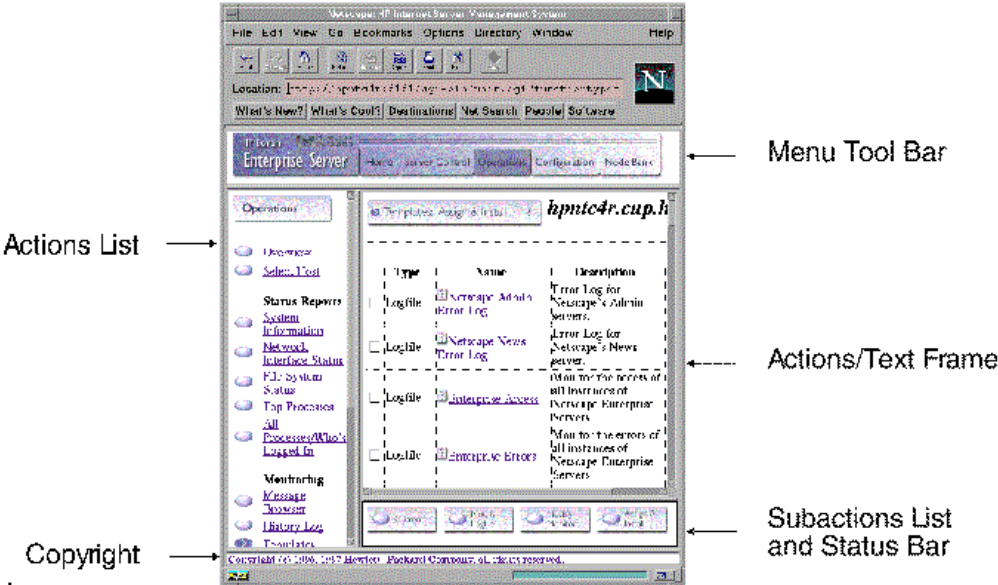
The menu tool bar is displayed on every DESMS page. From the menu tool bar you can access the administration program's five major areas:

- Home:
   Provides an overview of each area of the menu tool bar

- Server Control:
   Management of the administration servers and web services

- Operations:

   Management of your system

- Configuration:
  Configuration and administration of your system

- Node Bank:
  Control of nodes in your management domain

After making a selection from the menu tool bar, you select one of the action items from the menu tool bar's associated Actions List. The Action Lists associated with each of the major areas follows:

Figure 2-2   **HP DESMS Action Lists**

Home	Server Control	Operations	Configuration	Node Bank
	∗ **Overview**	∗ **Overview**	∗ **Overview**	∗ **Overview**
	∗ **Select Host**	∗ **Select Host**	∗ **Select Host**	∗ **Node Bank**

Express Setup

Help:

○ About Internet Server

○ HP-UX Man Pages

○ HP OpenView MeasureWare

Access HP Links:

○ HP Software Depot

○ HP Internet Solutions

○ Access HP

Server Control

Servers
∗ **Netscape Admin**
∗ **HP Web Admin**

Server Setup
∗ **Firewall First**
∗ **Setup Network Management**
∗ **Setup Measureware Templates**

Operations

Status Reports
∗ **System Information**
∗ **Network Interface**
∗ **File System Status**
∗ **Top Processes**
∗ **Processes/Who's Logged In**

Monitoring
∗ **Message Browser**
∗ **History Log**
∗ **Templates**
∗ **Services**
∗ **System Log Files**
∗ **DESMS Internal Log & Trace Files**
∗ **Integrity Check**

Actions
∗ **Ping**

System Backup
∗ **Backup System**
∗ **Restore System**

Configuration

Name Services
∗ **DNS Server**
∗ **DNS Client**
∗ **DNS Database**
∗ **/etc/hosts**

Internet Addresses
∗ **Internet Addresses**

Security
∗ **Anonymous FTP**
∗ **Internet Services**
∗ **User Accounts**
∗ **Root User**

Mail Services
∗ **Sendmail**
∗ **Sendmail Aliases**

Shutdown
∗ **System Shutdown**

External Tools
∗ **SAM**
∗ **Terminal**

Log Keeper
∗ **Global Configuration**
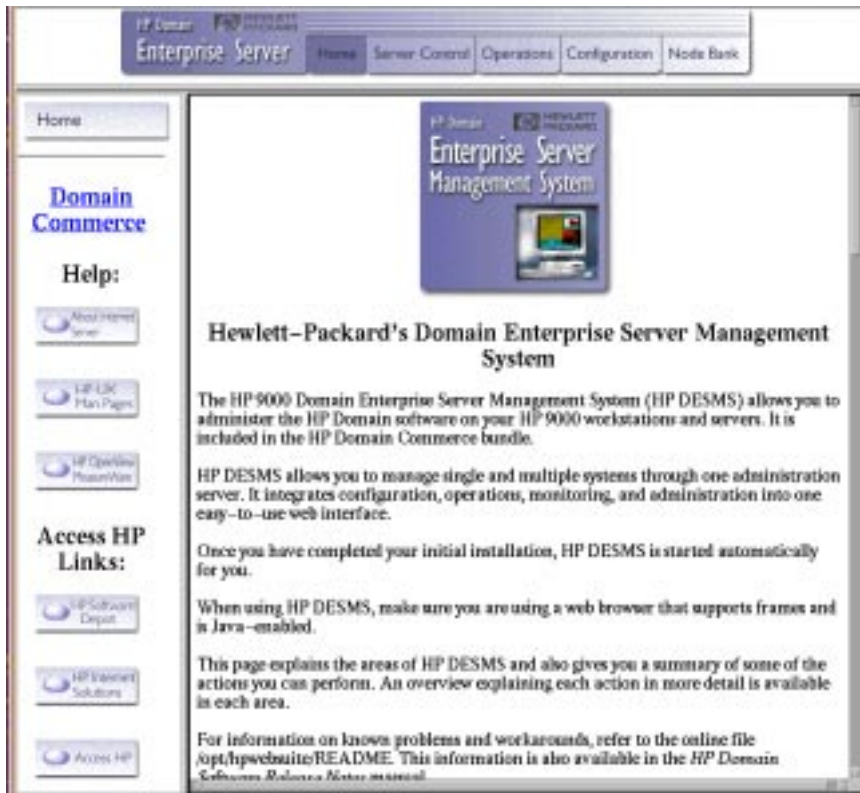∗ **Log Rotation**

After selecting an item from the Actions List, you perform the action within the Action/Text frame.

The HP DESMS Home Page

When you point your browser to the HP DESMS web page, the HP DESMS Home page is displayed.

Figure 2-3   **HP DESMS Home Page**

NOTE   The very first time HP DESMS is accessed, the Express Setup page is displayed (see figure 2-4). Thereafter, when you access HP DESMS, the HP DESMS Home page is displayed.

If you choose not to perform the Express Setup options at this time, you can return to the Express Setup page at a later time, or access these setup options from the HP DESMS actions list within the Actions frame of the related HP DESMS page.

The Express Setup Page

The Express Setup page lists some steps you may want to complete to

customize your configuration. Each step is optional as factory defaults have already been chosen.

Figure 2-4   HP DESMS Express Setup Page
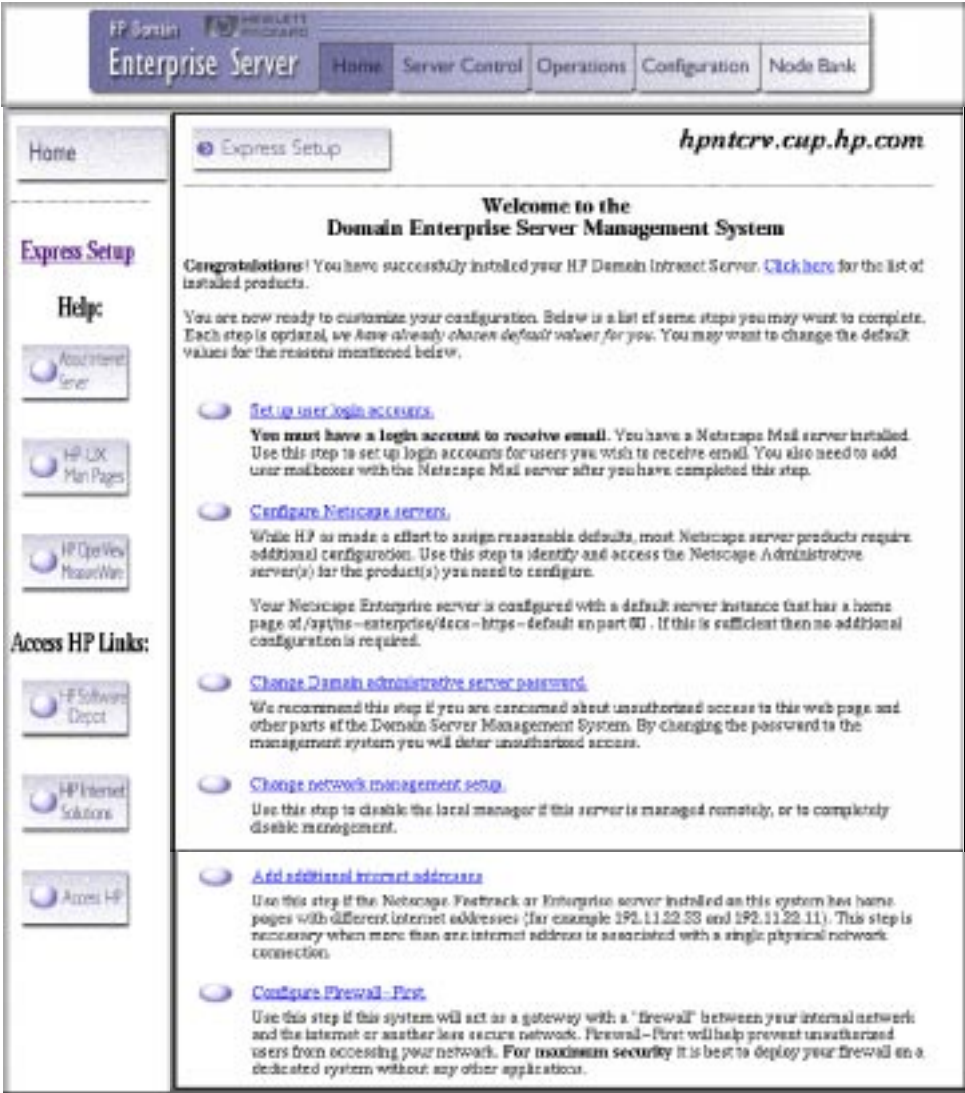
From the Express Setup page, you can:

• Set up user login accounts

- Configure Netscape servers

- Change Domain administrative server password

- Change network management setup

- Add additional Internet addresses

Remember, you can return to the Express Setup page at any time by clicking on the "Home" button located in the Menu Tool Bar of all DESMS pages.

Getting HP DESMS Help

To obtain additional information for a specific HP DESMS function, select the "Overview" list item within the Action List frame for that HP DESMS function (see figure 2-5).

Figure 2-5   Overview

Overview

Additional Sources of Information

- The HP-UX Java Release Notes contain the following information pertaining to the HP-UX Developer's Kit for Java and the HP Java Virtual Machine with JIT:

  — New and changed features

  — Installation information

  — Related documentation

  — Problem descriptions and fixes

For the latest information on Java products, including software and documentation updates, pre-releases, and patch information, visit the web page at: `http://www.hp.com/go/JAVA`

Starting and Stopping the HP DESMS Administration Server

The HP Domain Enterprise Server Management System (DESMS) administration server can be restarted (that is, reset) and stopped from the HP DESMS web-based interface. The DESMS administration server can also be started and stopped from the HP-UX command line prompt. When this server is shutdown, you will be unable to manage your Internet servers through HP DESMS.

From HP DESMS:

To restart (reset) the HP DESMS administration server:

1. Click on Server Control from the DESMS Menu Tool Bar

2. Select HP Web Admin from the Actions List

3. Locate the "Shutdown Admin Server" section within the Actions Frame and click on the Restart Server button

This will stop the server and immediately restart the server. Use the Restart Server function if your Admin server is not responding as expected.

To stop the HP DESMS administration server:

1. Click on Server Control from the DESMS Menu Tool Bar

2. Select HP Web Admin from the Actions List

3. Locate the "Shutdown Admin Server" section within the Actions Frame and click on the Shutdown Server button

From the HP-UX command-line prompt:

To start the HP DESMS administration server, type the following:

/opt/hpwebsuite/admserv/start-admin

To stop the HP DESMS administration server, type the following:

/opt/hpwebsuite/admserv/stop-admin

NOTE Stopping and starting the DESMS Administration server will not affect the operation of the Domain Enterprise Server Operations Manager (DESOP) Services. DESOP is a central operations and problem-management product for distributed multi-vendor systems.

To stop and start the DESOP Message Services, click on the underlined "DESOP Message Services" text within the `Shutdown Admin Server` section of the `HP Web Admin` Actions Frame.

3 After Setting Up Your Server

After you have completed setting up your Domain Enterprise Server, as discussed in the previous chapter "Setting Up Your HP Domain Enterprise Server", you can use the HP DESMS web-administration program to perform further system administration tasks, such as

configuring:

- Name Services
- Internet Addresses
- Security
- Mail Services
- Netscape Servers

Refer to the following sections in this chapter for information on these tasks.

Configuring Your Server

Name Services

- DNS Server

  You can configure your server as a DNS (Domain Name Server) Server. A DNS Server can be defined as one of the following:

  — Primary Server

    Retrieves data from the local DNS database files for hosts in the zone(s) it is authoritative for.

  — Secondary Server

    Gets its data from the primary server in the local zone via periodic "zone transfers".

  — Cache-only server

    Gets its data from other servers without the need of a "zone transfer".

- DNS Client

  You specify the domain search list, that is, the order you want the resolver to search the domains.

- /etc/hosts

  You modify the /etc/hosts database used to associate an Internet address with one or more hostnames.

To configure Name Services using HP DESMS, select "Configuration" from the menu tool bar, then select the desired Name Service from the Actions List.

Internet Addresses

You may associate additional Internet Protocol (IP) addresses with a network interface. This is useful if you wish to associate multiple hostnames with different web servers.

To configure Internet Addresses using HP DESMS, select "Configuration" from the menu tool bar, then select "Internet Addresses"

from the Actions List.

Security

- Anonymous FTP

  Allows a user without a login on your host to transfer files to and from a public directory. The ftp service must be allowed for Anonymous FTP to work.

- Internet Services

  Allows you to control which internet services will be allowed or denied to remote systems requesting a service on the local host.

- User Accounts

  Allows you to create or modify user accounts and to create home directories for a user.

- Root User

  Allows you to change the root user password.

To configure Security using HP DESMS, select "Configuration" from the menu tool bar, then select the desired Security item from the Actions List.

Mail Services

- UNIX Mail

  — Sendmail

    Allows you access to the Sendmail Configuration File: `/etc/mail/sendmail.cf`

  — Sendmail Aliases

    Sendmail aliases define local alias names that are expanded into mailing lists defined by each name.

  To configure UNIX Mail using HP DESMS, select "Configuration" from the menu tool bar, then select the desired Mail Service from the Actions List.

- Netscape Mail

  To configure Netscape Mail using HP DESMS, select "Server Control"

from the menu tool bar, then select "Netscape Admin".

NOTE	Your HP Domain Enterprise Server can be configured to use either UNIX Mail or Netscape Mail, but *not* both.

Netscape Servers

You gain access to your Netscape Administration Servers through the HP DESMS web-administration interface.

From within the DESMS "Netscape Administration Servers" page, you can:

- Check the status Netscape Administration Servers
- Start and stop a specific Netscape Administration Server

NOTE	When you initially boot your Domain Enterprise Server, the default state of Netscape Administration Servers is "not running".

- Specify whether that server should be automatically started at boot time
- Visit a Netscape Administration Server

   Visiting a server allows you access to Netscape Server administration capabilities such as:

   — Installing a new server

   — Removing an existing server

   — Server configuration

To access the Netscape Administration Servers, select "Server Control" from the DESMS menu tool bar, then select "Netscape Admin" from the Actions List.

If the server status is "running", you can access that server by clicking on the text "Visit Admin Server" located in that server's status table entry.

For more information on your Netscape servers, refer to the server's online help or, if available, the hardcopy docuementation for that server.