Management and Printing
User Guide

Product notice

This user guide describes features that are
common to most models. Some features
may not be available on your computer.

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1 Using Client Management Solutions

Client Management Solutions software provides standards-based solutions for managing client (user) desktop, workstation, notebook, and tablet computers in a networked environment.

Client management includes the following key capabilities and features:

- Initial software image deployment

- Remote system software installation

- Software management and updates

- ROM updates

- Tracking and security of computer assets (the hardware and software installed on the computer)

- Fault notification and recovery of certain system software and hardware components

NOTE: Support for specific features described in this section may vary, depending on computer model and/or version of management software installed on the computer.

Configuring and deploying a software image

The computer is shipped with a preinstalled system software image. The initial software image is configured during the first-time setup of the computer. After a brief software "unbundling" occurs, the computer is ready to be used.

A customized software image can be deployed (distributed) in one of the following ways:

● Installing additional software applications after unbundling the preinstalled software image

● Using software deployment tools, such as Altiris Deployment Solutions, to replace the preinstalled software with a customized software image

● Using a disk-cloning process to copy the contents from one hard drive to another

The deployment method you use depends on your organization's technology environment and processes.

NOTE: The Computer Setup utility and other system features provide further assistance with configuration management and troubleshooting, power management, and the recovery of system software.

Managing and updating software

HP provides several tools for managing and updating software on client computers:

● HP Client Manager for Altiris (select models only)

NOTE: To download HP Client Manager for Altiris or to obtain more information about HP Client Manager for Altiris, see the HP Web site at http://www.hp.com.

● HP CCM (Client Configuration Manager) (select models only)

● HP SSM (System Software Manager)

HP Client Manager for Altiris (select models only)

HP Client Manager for Altiris integrates Intelligent Manageability technology into Altiris software. HP Client Manager for Altiris provides superior hardware management capabilities for HP devices:

● Detailed views of hardware inventory for asset management

● System Checkup monitoring and diagnostics

● Web-accessible reporting of business-critical details such as thermal warnings and memory alerts

● Remote updating of system software such as device drivers and the system BIOS

NOTE: Additional functionality can be added when HP Client Manager for Altiris is used with optional Altiris Solutions software (purchased separately).

When HP Client Manager for Altiris (installed on a client computer) is used with Altiris Solutions software (installed on an administrator computer), HP Client Manager for Altiris provides increased management functionality and centralized hardware management of client devices for the following IT life-cycle areas:

- Inventory and asset management

  ◦ Software license compliance

  ◦ Computer tracking and reporting

  ◦ Computer lease contract information and fixed asset tracking

- System software deployment and migration

  ◦ Windows® migration

  ◦ System deployment

  ◦ Personality (personal user settings) migration

- Help desk and problem resolution

  ◦ Management of help desk tickets

  ◦ Remote troubleshooting

  ◦ Remote problem resolution

  ◦ Client disaster recovery

- Software and operations management

  ◦ Ongoing client management

  ◦ HP system software deployment

  ◦ Application self-healing (the ability to identify and repair certain application problems)

Altiris Solutions software provides easy-to-use software distribution capabilities. HP Client Manager for Altiris enables communication with the Altiris Solutions software, which can be used to complete new hardware deployment or personality migration to a new operating system using easy-to-follow wizards. HP Client Manager for Altiris is available for download from the HP Web site.

When Altiris Solutions software is used in conjunction with HP System Software Manager or HP Client Manager for Altiris, administrators can also update the system BIOS and device driver software from a central console.

HP CCM (Client Configuration Manager) (select models only)

HP CCM (Client Configuration Manager) automates the management of software such as operating systems, programs, software updates, and content and configuration settings to ensure that each computer is maintained in the correct configuration. With these automated management solutions, you can manage software throughout the life cycle of the computer.

CCM enables you to perform the following tasks:

- Collect hardware and software inventory across multiple platforms

- Prepare a software package and conduct impact analysis prior to distribution

- Target individual computers, workgroups, or entire populations of computers for deployment and maintenance of software and content according to policies

- Provision and manage operating systems, applications, and content on distributed computers from any location

- Integrate CCM with help desks and other system management tools for seamless operations

- Leverage a common infrastructure for management of software and content on standard computing devices across any network for all enterprise users

- Scale to meet enterprise needs

HP SSM (System Software Manager)

HP SSM (System Software Manager) lets you remotely update system-level software on multiple systems simultaneously. When executed on a client computer, SSM detects versions of both hardware and software, and then updates designated software from a central repository, known as a file store. Driver versions that are supported by SSM are denoted with a special icon on the HP driver download Web site and on the *Support Software* CD. To download the SSM utility or to obtain more information on SSM, see the HP Web site at http://www.hp.com/go/ssm (English only).

2 Using Intel Active Management Technology (select models only)

Intel® Active Management Technology (iAMT) allows discovery, repair, and protection of networked computing assets. With iAMT, computers can be managed whether they are on or off. The iAMT solution is available on computers with Intel Centrino® with vPro mobile technology.

Features of iAMT include:

- Hardware inventory information
- Event notification
- Power management
- Remote diagnosis and repair
- Hardware-based isolation and recovery—limit or cut off computer network access if virus-like activity is detected

Enabling the iAMT solution

To configure iAMT settings:

NOTE: The ctrl+p prompt is visible only if the AMT Setup Prompt option is enabled in Computer Setup.

1. Turn on or restart the computer.

2. Before Windows starts up, press ctrl+p.

   NOTE: If you do not press ctrl+p at the appropriate time, you must repeat steps 1 and 2 to access the MEBx setup utility.

3. Enter the ME password. The factory setting for the password is *admin*.

   The MEBx setup utility opens. Use the arrow keys to navigate.

4. Choose to configure Intel ME, configure iAMT, or change the Intel ME password.

5. When you have made your selections, select **Exit** to close the MEBx setup utility.

Using the MEBx setup utility menus

NOTE: For more information on iAMT, go to the Intel Web site at http://www.intel.com, and then search for iAMT.

Intel ME Configuration

Select	To do this
Intel ME State Control	Disable/enable the management engine.
Intel ME Firmware Local Update	Disable/enable local management of firmware updates.
LAN Controller	Disable/enable the integrated network controller.
Intel ME Features Control	Enable AMT or none.
Intel ME Power Control	Configure the management engine power policies.

iAMT Configuration

Select	To do this
Host Name	Assign a host name to the computer.
TCP/IP	Disable/enable network interface or DHCP (assigns an IP address if DHCP has been disabled) or change the domain name.
Provision Model	Assign Enterprise or Small Business iAMT model.
Setup and Configuration	Set options to control remote configuration of AMT.
Un-Provision	Reset the AMT configuration to factory defaults.
SOL/IDE-R	Enable remote boot control to IDE diskette or CD-ROM and assign a user name and password.
Password Policy	Set options to control requirements for the network password and the MEBx password.
Secure Firmware Update	Enable or disable updating firmware remotely.
Set PRTC	Set the real-time clock.
Idle Timeout	Set a time-out value.

Change Intel ME Password

Select	To do this
Change ME Password	Change the password.
	NOTE: The default password is **admin**.

3 Using the HP Universal Print Driver (select models only)

The HP Universal Print Driver Series for Windows is a single intelligent driver that replaces individual drivers for HP networked printers.

NOTE: The HP Universal Print Driver is preinstalled on select computer models only. To download the HP Universal Print Driver or obtain more information about using it, see the HP Web site at http://www.hp.com/go/universalprintdriver (English only).

To print using the HP Universal Print Driver:

1. Select **File > Print** from any application.

2. Select **HP Universal Printing PS** from the list of printers.

3. Click **Print**.

4. Enter the printer's IP address or network path.

   NOTE: If you cannot identify the printer's IP address or network path, contact your IT administrator for help.

5. Select the **Make a permanent instance of this printer in my Printers folder** check box.

6. Click **Print**.

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