

GET YOUR
THIN CLIENT
RUNNING



QUICK START TO EVALUATING
HP WINDOWS EMBEDDED
STANDARD 2009 THIN CLIENTS

HP i5630w, HP i5730w, HP i5740, HP gt7720

GET YOUR NEW THIN CLIENT SYSTEM UP AND RUNNING.



This Quick start guide illustrates some of the most common administrative tasks to get your HP Microsoft Windows® Embedded Standard (WES) 2009 Thin Client up and running. However, if you have questions, need more information or want to set up a more unique configuration, please refer to the Microsoft® Windows Embedded Standard 2009 Quick Reference Guide at www.hp.com/support/manuals/thinclients. Select your thin client and its respective guide under *General Reference*.

LOGGING ON/OFF AND CREATING ACCOUNTS

The User account is the factory default log-in when you turn on your new HP Windows Embedded Standard Thin Clients for the first time.

You can identify the type of user account by clicking Start and reading the account name located on the Start menu.

To switch between User and Administrator account:

1. While holding the Shift key down, click **Start > Shut Down > Log Off**.
2. The Windows Log-On screen will be displayed.
3. Type your user name and password.



There are two pre-configured WES accounts.

Default:	User name	Password
User Account	User	User
Administrator Account	Administrator	Administrator

Administrator

Full access to file system, control panel applets, write filter configuration and other administrative tools

User

Part of the Power User group restricted to subset of Start Menu items, limited Control Panel access and no File System access, etc.

Default User Template

This is the template used when a new user (local or domain) logs onto the device for the first time. This template has policies configured similarly to current Administrator account.

Enable and disable user security utilities

When you want to temporarily disable the locked down characteristics of the local User account for troubleshooting or setup purposes.

To access, go to: **Start menu > Setting > Control Panel > Administrative Tools**.



Enable restores the predefined policies for the User account.

Disable temporarily removes predefined policies for the User account.



To view or remove installed applications, **Click Start > Control Panel > Add or Remove Programs.**

For information on Symantec Endpoint Protection and Microsoft Windows Firewall, please visit the APPLICATIONS section of the Microsoft® Windows Embedded Standard (WES) 2009 Quick Reference Guide.

CHOOSING BETWEEN ENHANCED WRITE FILTER AND FILE-BASED WRITE FILTER

HP Windows Embedded Standard Thin Clients include both the Enhanced Write Filter (EWF) and the File-based Write Filter (FBWF) to protect the operating system. The Enhanced Write Filter is the factory default.

Tip: Choose the Enhanced Write Filter to protect the entire flash from writes, or choose the File-based Write Filter to allow specific local applications and files to be updated dynamically.

To select and configure the EWF or FBWF, perform the following steps:

1. Log in as an Administrator.
2. Select **Start > Control Panel > HP Write Filter Configuration.**
3. Select and configure the desired write filter.
4. Reboot the system for the chosen write filter and changes to take effect.

MAKING AND SAVING CHANGES

(Enhanced Write Filter only)

The Enhanced Write Filter is enabled by default; therefore any changes will not be saved automatically. When you make changes to configuration or personal settings the changes are stored in temporary cache memory.

To make and save changes, it is a best practice to:

1. First reboot the device to ensure only the changes you want will be saved.
2. Make the necessary changes.
3. Right click on lock icon in System Tray.
4. Select **Commit** state > then **Yes** to reboot.

An icon on the System Tray shows the status of the EWF:



Lock status	Description
Red	Disabled—Allows user to write to the image after the next reboot
Green	Enabled—Prevents the user from writing to the image after the next reboot
Yellow	Pending—Overlay committed with next reboot

MAKING AND SAVING CHANGES (CONTINUED)

TIPS

- If EWF is disabled, it will remain disabled until it is manually re-enabled.
- Be sure to re-enable it when you no longer want to write permanent changes to the flash memory.
- Reboot the system for the command to take effect.
- All changes (intentional or unintentional) since last boot-up of thin client will be written to disk when one commits the write filter. Therefore it is recommended that you first reboot the device.
- Current default RAM Disk (Z:) size is set at 16 MB. If you need to add applications and driver, you may need to increase this temporary storage: Click **Start > Control Panel > HP RAMDisk Manager**.



CONFIGURING AND MAKING CONNECTIONS

Use HP Easy Configuration Utility (HP Easy Config) to quickly and easily configure your thin client to operate in one of four user modes. For each mode selected, HP Easy Config lets you configure three groups of settings: a connection, an additional user and kiosk mode.

Default Desktop is the factory default when you start your thin client for the first time. In this mode, the thin client boots in standard desktop mode without making any preconfigured connections.



To configure a connection:

1. Select the HP Easy Config icon on the desktop.
2. Select the desired thin client mode and enter configuration information.
3. Click **Finish**.
4. Next time the thin client is started, it will boot into the selected mode.

To log out of the selected appliance mode, press Ctrl + Alt + the up arrow and a log-off button appears in the bottom right corner. Press Ctrl + Alt + the down arrow to make the log off button disappear. To return to the Default Desktop mode, log out of the selected mode. During the Automatic Log-On screen, hold the Shift key and the log-in screen appears. Log in as Administrator and use HP Easy Config to return to the Default Desktop mode.

Terminal services (RDP)

Select Remote Desktop Connection Icon on Desktop.



To configure connection, select Options in dialog box.

To improve your multimedia experience, HP WES thin clients include HP RDP Enhancements software. For more information please visit www.hp.com/go/vce.



Citrix XenApp

(Via Desktop icon)
Select **Program Neighborhood** icon on desktop.

1. Citrix XenApp will launch.



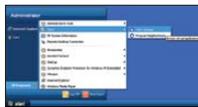
2. Configure your custom ICA connection.
3. Users can then access XenApp Log-in Screen.

OR

(Via Start Menu)

1. Select **Start > All Programs > Citrix > Citrix XenApp**.

2. At Log-in page, you are presented with your virtual desktop.



Citrix XenDesktop (Add-on)

1. Locate and download the latest HP XenDesktop add-on. (See Download and Installing Latest OS/Drivers section.)



2. Follow prompts of the HP Citrix appliance Desktop Mode InstallShield Wizard.
3. Modify Server in add-on screen.
4. Deploy add-on onto device.
5. At Log-in page, you are presented with your virtual desktop.



VMware View Manager

1. Select **Start > All Programs > VMware > VMware View Client**.



2. Enter host name or IP address.
3. Enter user name and password.
4. Click next.
5. Now choose your desktop PC.
6. You are now connected.



TeamTalk

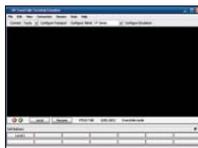
Terminal Emulation (Support computing on legacy platforms)

1. Select **Start > All Programs > Hewlett-Packard > HP TeamTalk** or HP TeamTalk Session Wizard.

HP TeamTalk Wizard allows you to step through your configuration.

2. Selecting HP TeamTalk brings you to main connection screen.
3. Select appropriate options to continue connection.

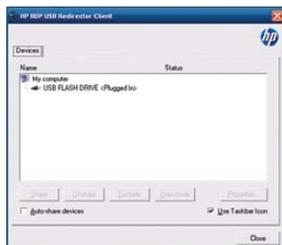
Please refer to TeamTalk reference guide for additional info, located at <http://www.hp.com/support/teamtalk>.



REDIRECTING USB DEVICES FOR USE IN A REMOTE SESSION

HP Remote Desktop Protocol (RDP) Multimedia and USB Enhancements software provides multimedia and USB device redirection to reduce the limitations sometimes associated with the VMware View (or VDI) desktop experience. To enjoy its benefits, software must be installed on the server as well as on the thin client.

To redirect (share) USB devices:



1. Open the **Control Panel** and select **HP RDP USB Redirector Client** or right-click the icon in the taskbar.
2. Select the USB devices you want to redirect:
 - To automatically redirect all USB devices, check **Auto-share devices** (Auto-share is off by default).

Auto-share will automatically share devices when they are plugged in. Most USB keyboards and mice are automatically excluded from Auto-share, because when a device is shared, it is disconnected from the local system. However, some multi-interface (composite USB) keyboards might not be automatically excluded from Auto-share. These types of devices should be manually excluded before enabling Auto-share.

- To redirect specific USB devices, select each device individually from the list displayed, then click **Share**, **Unshare**, or **Exclude**.
 - A shared (redirected) device behaves as if it is connected to the remote desktop.
 - An unshared (not redirected) device is available to the local thin client only.
 - An excluded device will not be automatically shared, even when **Auto-share** is selected.
- To prevent a device from being automatically redirected for use with the remote desktop, select the device and click **Exclude**. This disables both **Share** and **Unshare**. To share the device manually or automatically, you must click **Unexclude**.

For more information about HP Remote Desktop Protocol (RDP) Multimedia and USB Enhancements Software see Microsoft® Windows Embedded Standard (WES) 2009 Quick Reference Guide at www.hp.com/support/manuals/thinclients.

DOWNLOADING THE LATEST OS OR DRIVERS

HP provides monthly Microsoft® Quick Fix Engineering (QFEs) updates, periodic updates and add-ons for thin client images. To obtain the latest OS image, drivers, BIOS and add-ons visit <http://www.hp.com/support>.

For information on printing, please visit the Peripherals section of the Microsoft® Windows Embedded Standard (WES) 2009 Quick Reference Guide at www.hp.com/support/manuals/thinclients.



MANAGING YOUR THIN CLIENT

There are a variety of management options when installing a new or updated image.

Management options	Ideal for
HP ThinState Capture	Simple thin client updates
HP Device Manager	Larger thin client deployments
HP Client Automation or Altiris Deployment Solution	PCs, thin clients and mixed environments

HP ThinState Capture and Deploy

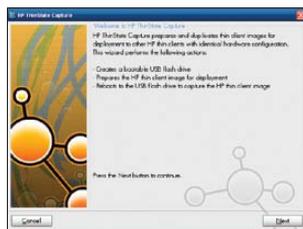
A very simple wizard-based tool to capture an image from one HP client and deploy to an HP thin client of the same model and hardware configuration

You will need the following:

- HP WES thin client with the latest HP image
- HP-qualified USB drive key

Note: USB key must be larger in size than onboard flash disk.

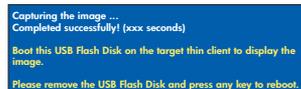
1. Click **Start > Control Panel > select HP ThinState Capture** icon.
2. Click Next.
3. Insert a USB drive key into a USB connector on the thin client from which you want to capture the image.



4. Click Capture.
5. Click Yes at the warning display.



6. To complete the process, follow all on-screen instructions.



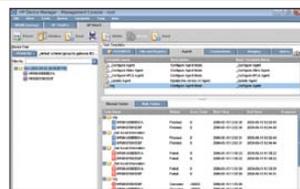
7. Use the USB drive key to deploy the captured image to other WES licensed devices of the same model and hardware configuration.

To deploy an image captured with HP ThinState:

1. Using the System BIOS Setup utility (F10), change the boot order to USB boot.
2. After capturing an image to a USB drive key, insert the USB drive key into the connector on the thin client to which you want to deploy the image. Power on (or restart) the thin client.
3. Follow all on-screen instructions.

HP Device Manager

Easily track, configure, upgrade, clone and manage up to thousands of thin client devices.



To download software and for more information please visit www.hp.com/support/devicemanager.

HP Client Automation

Automate the management of PC and thin client devices, regardless of their physical location.



To download software and for more information please visit www.hp.com/go/software.

Search "HP Client Automation."

You can also use Altiris Deployment Solution to manage your thin clients. For licensing and additional information please visit www.altiris.com.



EASY TO
DEPLOY
AND
MANAGE

To learn more, visit
www.hp.com/support/manuals/thinclients

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