

HP Easy Tools

Administrator's Guide

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HP Easy Tools

Administrator's Guide

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About This Book

MARNING! Text set off in this manner indicates that failure to follow directions could result in bodily harm or loss of life.

CAUTION: Text set off in this manner indicates that failure to follow directions could result in damage to equipment or loss of information.

NOTE: Text set off in this manner provides important supplemental information.

If you have comments, feedback, or questions about this guide, please e-mail us at <u>tc_software_docs@hp.com</u>.

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1 Introduction

HP Easy Tools is a wizard that helps you create a complete configuration to use on HP thin clients. Specific features vary by thin client operating system:

- HP Easy Tools for HP ThinPro on page 2
- <u>HP Easy Tools for Microsoft[®] Windows[®] Embedded Standard (WES) 2009 on page 24</u>
- <u>HP Easy Tools for Microsoft[®] Windows[®] CE on page 46</u>

NOTE: On all platforms, if either HP Client Automation (HPCA) or HP Device Manager (HPDM) is active in the thin client network, HP Easy Tools is not necessary and HP recommends that you register the thin client with the relevant management system and take no action to start HP Easy Tools.

2 HP Easy Tools for HP ThinPro

HP Easy Tools opens automatically unless HP Client Automation (HPCA), HP Device Manager (HPDM), or HP System Update services are running. To prevent HP Easy Tools from autolaunching, select **Do not auto-start HP Easy Setup Wizard** when the following screen appears while the application is booting.

Searching for HP System Update infrastructure		
🗌 Do not auto-sta	art HP Easy Setup Wizard	

The HP Easy Tools window has three main parts:

Left Pane

All configuration settings categories are listed in the left pane. The HP Easy Tools wizard leads you through each category, but if you want to jump forward or backward, just click the category in the left pane. Sections that have been viewed are marked by a gray check mark. Sections that have been modified are marked by a green check mark.

Center Pane

When you advance to or select a category in the left pane, the configuration options appear in the center pane. Click on one to open the configuration work area.

Right Pane

As you select a category and a specific setting, descriptions of the category and the specific setting appear in the right pane.

HP Easy Tools has four sections:

- <u>Easy Update on page 4</u>—This section enables you to install and maintain official HP images and softpaqs.
- <u>Easy Config on page 9</u>—Configure thin clients and software in this section.

- <u>Easy Deploy on page 17</u>—Use this section to capture and deploy images, settings, and configurations and set administrative passwords.
- Thank You on page 23

NOTE: If a Write Filter is enabled on the thin client, you will not be able to apply a new configuration until you disable the Write Filter.

You can also access HP Easy Tools through the HP ThinPro Control Center:

1. Switch to Administrator Mode.

To switch to Administrator Mode:

a. Position your cursor in the screen background and right-click.

b. Select Administrator/User Mode Switch.

NOTE: The default Administrator password is root.

2. If neither HPCA nor HPDM is active on the network, click the **Easy Tools** wizard icon in the left pane of the ThinPro Control Center.



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Easy Tools Construction Construl Construction Construction Construction Cons	5	Language 🗸 About 🛛 Exit
Welcome Easy Update Updates Options Easy Config Regional	Welcome Welcome to HP Easy Tools. This wizard will help you create a complete configuration to use on this and other HF Thin Clients	Advanced options for Easy Update such as the ablity to modify repository URIs or to configure internet proxies.
Management Peripherals Connections	Please select the language you wish to use:	
Summary	Deutsch English	
Easy Deploy	Español Français	
Capture	日本語 简体中文]
Deploy		
Security		
Thank You	Next (2.1.0.1129

3. Select the language you wish to use and click **Next**.

NOTE: You may click **Language** in the black bar across the top of the HP Easy Tools screen and change the language at any time during your session.

Easy Update

Easy Update allows you to perform the following tasks:

- Updating an image on page 4
- Updating options on page 6

Updating an image

NOTE: Internet connectivity is required to download images or AddOns from HP repositories.

- 1. Open HP Easy Tools.
- 2. Click **Easy Update** in the left pane to begin configuring the thin client.



3. Click Next to advance to Updates.



- 4. Select the type of updates to install:
 - Full Image Updates
 - Service Pack Updates
 - Package Updates
- **5.** To install a full image update:
 - **a.** Select the image to install.
 - **b.** Click **Details** for information on a selected update.
 - c. Click Install to install the update.
- 6. To install a service pack update:
 - a. Select the service pack update to install.
 - **b.** Click **Details** for information on a selected update.
 - c. Click Install to install the update.
- 7. To install a package update:
 - Select the package update(s) to install. Click All to select all updates or None to clear all selections.
 - b. Click on an update to highlight it and click **Details** for information on the update.
 - c. Click Install to install the selected updates.

Updating options

- 1. Open HP Easy Tools.
- 2. In the left pane, click **Options** under **Easy Update** to begin updating options.

/. •	Easy Tools	+ _ □ ×
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Welcome Easy Update		Information
 ✓ Updates ✓ Options 		such as the ability to modify repository URIs or to configure internet proxies.
Easy Config Regional		
Management	Networking Proxies	
Connections		
Summary Easy Deploy		
Capture		
Deploy Security		
Thank You	Previous Next	2.1.0.1129

3. Select Networking Proxies or Repository Locations.

To set Networking Proxies manually:

a. Select **Manual Proxy Configuration**, then click in the appropriate column and row and type the server address and port number.

/+ °	Easy Tools	+ _ □ ×
🧑 Easy Tools	;	anguage 🚽 About Exit
Welcome		
Easy Update		This page lets you change the proxy
🗸 Updates	Networking Proxies	servers that will be used when accessing information from the
V Options	No provies	internet.
Easy Config	Manual Proxy Configuration:	
Regional	Use same proxy for all	
Management	Scheme Server Port	
Peripherals	HTTPS	
Connections	FTP	
Summary	(⊗ Reset) (⊘ Apply)	
Easy Deploy		
Capture	Repository Locations	
Deploy		
Security		
Thank You	© Previous Next 🔾	2.1.0.1129

For example, click under **Server** next to **HTTP** to open the HTTP server field.

b. Click **Apply** to save the setting.

To set **Repository Locations**:

a. Select **Repository Locations** and type over any URI to replace it.

/h ₀ 0	Easy Tools	↑ _ □ X
🅼 Easy Tools	Le	anguage 🗸 About Exit
Welcome Easy Update Updates Updates Updates Updates Updates Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy	Networking Proxies Repository Locations Full-Image Repository URI ftp://ftp.hp.com/pub/tcdebian/images Service Pack Repository URI ftp://ftp.hp.com/pub/tcdebian/updates/3.2/service_packs Individual Package Repository URI ftp://ftp.hp.com/pub/tcdebian/updates/3.2/packages Individual Package Repository URI ftp://ftp.hp.com/pub/tcdebian/updates/3.2/packages Image Repository URI ftp://ftp.hp.com/pub/tcdebian/updates/3.2/packages	for under the second s
Security Thank You	Previous Next	2101129

b. Click **Apply** to save the setting.

Easy Config

The Easy Config section allows you to configure a variety of features:

- Step <u>3</u> Regional options
- Step <u>5</u> Management options
- Step <u>7</u> Peripherals
- Step <u>9</u> Connections
- Step <u>12</u> Summary
- 1. Open HP Easy Tools.
- 2. Click **Easy Config** in the left pane to begin configuring the thin client.



3. Click Next to advance to Regional options:



4. Configure the **Regional** options:

a. Time Zone

Select a geographical area and city or region in the desired time zone.

b. Keyboard

Select a keyboard layout.

NOTE: The keyboard language does not have to match the keyboard you are using to complete the Easy Tools wizard.

c. Locale

Select a language. Selecting a new locale (language) will change the system language and the format used for dates and currency.

5. Click Next to advance to Management options.

/+ °	Easy Tools	+ _ □ ×
🅼 Easy Tools	5	anguage 🚽 About Exit
Welcome Easy Update Updates Updates Updates Easy Config Regional Management Peripherals Connections Summary Easy Deploy	Image: HP Device Manager Image: HP Client Automation Image: Automatic Updates Image: Remote Assistance	Information Management These options enable you to control the remote management options available for your Thin Client.
Capture Deploy Security Thank You	Previous	21.0.1129

- 6. Enable one or more of the **Management** options or clear the check box to disable options.
 - HP Device Manager
 - HP Client Automation
 - Automatic Updates
 - Remote Assistance

7. Click Next to advance to Peripherals.



8. Configure the **Peripherals**:

a. Display

(Required) Set the following parameters:

- **Resolution**—Select the monitor resolution.
- **Color depth**—Select a specific color depth supported by the monitor and the software.
- **Refresh rate**—HP recommends leaving this set to **auto**. LCD monitors typically support 60 Hz. CRT monitors display better at higher refresh rates, but that may shorten the life of the monitor and can cause noise.
- **Multi-monitor mode**—Select the screen arrangement for multiple monitors (for up to four monitors).
- **Primary monitor**—Select the primary monitor, if more than one monitor will be used.

b. Power Management

Type or select the number of minutes in the **Screen saver on** field. After this specified period of inactivity, the screen saver is displayed.

c. Sound

Select **Enable** to allow sound or clear the check box to keep it switched off.

Select **Hide volume control** to hide the volume controls or leave the check box clear to leave the controls visible.

d. USB Mass Storage

- Select **Enable Automounts** to enable USB ports, or leave the check box clear to keep USB ports disabled.
- Select Read-Only Automounts to prevent data from being copied to a USB mass storage device.
- 9. Click Next to advance to Connections.

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🅼 Easy Tools		Language 🚽 About Exit
Welcome Easy Update Updates Updates Updates Easy Config Regional Management Management Peripherals Connections Summary Easy Deploy Capture Deploy Security	Connections Connection	Connections Connections This section enables you to create this section enables you to create protocols. The connections for a variety of the ThinPro's Control Center. Please be aware that either deleting all connections or disabiling CDA mode will automatically disable Kiosk mode.
Thank You	Previous Next	2.1.0.1129

NOTE: If you have not yet added a remote connection, this screen will show **No remote connection**. Proceed to step <u>11</u> to add a remote connection.

10. Select a connection to make changes to it:

- Select **Enable kiosk mode** to restrict the GUI to the Connection Manager. The taskbar and the Control Panel are disabled.
- Click the delete icon to the right of the connection name to delete the connection.
- Click the edit icon to edit the connection.
- **11.** To add a connection, click **New remote connection**.

1 °	Easy Tools	+ ×
🕼 Easy Tools		Language 🗕 About Exit
Welcome Easy Update Updates Updates Updates Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security	Connections Classics ROP ICA ROP ICA TeemTalk Web Browser CDA mode VDI connection brokers VMware View XenApp Cancel	Event Information Connections This section enables you to create host connections for a variety of protocols. The connections will be available in the ThinPro's Control Center. Please be aware that either deleting all connections or disabling CDA mode.
Thank You	Previous Next	2.1.0.1129

Several types of connections may be added:

- **NOTE:** You can have multiple connections. If you enable **Auto start connection**, the connection will start automatically when the thin client is started, and the thin client will stay connected while the thin client is on. The user's work flow may not require all of the connections to be connected all of the time, and it will improve the overall performance of the thin client if unused connections are not connected.
 - Classics
 - RDP
 - 1. Type the connection name and the server hostname or IP address in the fields.
 - 2. Select Auto start connection, if desired.
 - 3. Click **Save** to save the configuration.
 - ICA
 - 1. Type the connection name and the server hostname or IP address in the fields.
 - 2. Select Auto start connection, if desired.
 - 3. Select Enable HTTPS proxy, if desired.

4. If you enable the HTTPS proxy, type the HTTPS proxy server hostname or IP address and port number in the fields.

- 5. Click **Save** to save the configuration.
- TeemTalk
 - 1. Type the connection name in the field.
 - 2. Select the **Emulation** device.

- 3. Select and configure the data **Transport** protocol.
- 4. Select Auto start connection, if desired.
- 5. Click **Save** to save the configuration.

Web Browser

- 1. Type the connection name and the URL in the fields.
- 2. Select Auto start connection, if desired.
- 3. Select **Enable proxy**, if desired.

4. If you enable the proxy, type the proxy server hostname or IP address and port number in the fields.

5. Click **Save** to save the configuration.

• CDA mode

- 1. Select **Enable CDA Mode**, if desired.
- 2. Type the URL in the field.
- 3. Click **Save** to save the configuration.

• VDI connection brokers

• VMware View

1. Type the connection name and the URL in the fields.

- 2. Select Auto start connection, if desired.
- 3. Click **Save** to save the configuration.
- XenApp
 - 1. Type the connection name and the URL in the fields.
 - 2. Select Auto start connection, if desired.
 - 3. Click **Save** to save the configuration.

12. Click **Next** to advance to the **Summary**.

/ · ·	Easy Tools	+ _ O X
Easy Tools	5	Language 🗸 About Exit
Welcome Easy Update	Easy Config Summary	(i) Information
 Opdates Options Easy Config Regional Management Peripherals Connections Summary 	RDP Name Delta Autostart false Address 192.98.1.2	Customizations you have made to the configuration. Clicking 'Apply this configuration to this Thin Clent' will apply the customizations to this Thin Client.
Easy Deploy Capture Deploy Security Thank You	Apply this configuration to this Thin Client.	xt 2 21.0.1129

13. Review the Easy Config Summary. If it is correct, click Apply this configuration to this Thin Client.

Easy Deploy

The Easy Deploy section allows you to carry out the following functions:

- Capturing an image on page 17
- Deploying an image on page 19
- <u>Setting security on page 22</u>
- 1. Open HP Easy Tools.
- 2. Click Easy Deploy in the left pane to go to the Easy Deploy section.

/ · · ·	Easy Tools	+ _ □ ×
🅼 Easy Tools	5	Language 🚽 About Exit
Welcome		() Information
Easy Update		Easy Deploy Deploy images, settings and
Options	Easy Deploy	configurations to your Thin Clients.
Easy Config		
🗸 Regional		
🗸 Management		
🗸 Peripherals		
Connections		
🗸 Summary	Deploy images, settings and	
Easy Deploy	configurations to your Thin Clients.	
Capture		
Deploy		
Security		
Thank You	O Previous Next O	2.1.0.1129

Capturing an image

NOTE: You may need a USB mass storage device for this procedure. The USB device capacity must be larger than the thin client flash in order to capture the entire flash contents. Images larger than 4 GB cannot be captured to a USB device.

Use this procedure to capture one of the following:

- Image—The operating system plus all settings and configuration
- Settings—The basic configuration settings plus additional advanced settings
- Configuration—The basic configuration settings you can set in Easy Config:
 - Regional
 - Management

- Peripherals
- Connections
- 1. Open HP Easy Tools.
- 2. In the left pane, click **Capture** under **Easy Deploy** to begin capturing an image.

/m •	Easy Tools	↑ _ □ X
Easy Tools	;	_anguage 🗸 About Exit
Welcome Easy Update Updates Updates Seasy Config Regional Management Management Peripherals Connections Summary Easy Deploy Capture Deploy	Capture From This Thin Client Capture Image Settings Configuration To: FTP FTP FTP Login Credentials As filename: Extensions will be appended. Start Stop	 Information Information Information Index you to capture the whole of simage or just configuration for settings from this Thin Client to deploy to other Thin Clients on the same subnet. Index Prom This Thin Client and store the mon an ETP server or local USB mass storage device. Information Lient be restricted to upper and lower case English alphabet characters (a-z A-z), digits (0-b) dashes (-), underscores(-), and periods (.).
Thank You	Previous Next	2.1.0.1129

- 3. Click Capture From This Thin Client and select what you want to capture:
 - Image
 - Settings
 - Configuration
- **4.** Select the destination for the captured information:
 - FTP
 - USB
- 5. Type the FTP address and Login Credentials or the USB identity in the appropriate fields.
- 6. Type a name in the As filename field

Filenames must be restricted to upper and lower case English alphabet characters (a-z A-Z), digits (0–9), dashes (-), underscores (_), and periods (.).

7. Click Start.

Deploying an image

Use this procedure to deploy one of the following:

- Image—The operating system plus all settings and configuration
- **Settings**—The basic configuration settings plus additional advanced settings
- **Configuration**—The basic configuration settings you can set in Easy Config:
 - Regional
 - Management
 - Peripherals
 - Connections
- 1. Open HP Easy Tools.
- 2. In the left pane, click **Deploy** under **Easy Deploy** to begin deploying an image.
- **3.** Select the deployment task:
 - Deploy To This Thin Client
 - Deploy To Other Thin Client
- 4. To Deploy To This Thin Client:

/, o	Easy Tools	↑ _ □ X
🅼 Easy Tools	l	_anguage 🚽 About Exit
Welcome Easy Update Updates Updates Coptions Easy Config Regional Management Management Peripherals Connections Connections Summary Easy Deploy Capture Deploy	Deploy To This Thin Client Deploy: Image Settings Settings Configuration From: FTP FTP: Login Credentials Configuration: Browse Start Stop Etat Stop Deploy To Other Thin Client	Every information for the second seco
Security Thank You	O Previous Next O	2.1.0.1129

- a. Select what you want to deploy:
 - Image
 - Settings
 - Configuration
- **b.** Select the location of the information:
 - FTP
 - USB

The browse button may be used to choose the appropriate file to deploy. Filenames must be restricted to upper and lower case English alphabet characters (a-z A-Z), digits (0–9), dashes (-), underscores (_), and periods (.).

c. Type the FTP address and Login Credentials or the USB mass storage device identity in the appropriate fields and click **Start** to begin deployment.

5. To Deploy To Other Thin Client:

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② Easy Tools		Language 🗸 About Exit
 ✓ Easy Tools Welcome Easy Update ✓ Updates ✓ Options Easy Config ✓ Regional ✓ Management ✓ Peripherals ✓ Connections ✓ Summary Easy Deploy ✓ Capture 	Deploy To This Thin Client Deploy To Other Thin Client Deploy: Image Settings Configuration From: FTP: TP: Apply to All Thin Clients in IP Range: Start Stop	About Exil A
✓ Deploy Security		(0-9), dashes (-), underscores(_), and periods (.).
Thank You	O Previous Next	2.1.0.1129

- **a.** Select what you want to deploy:
 - Image
 - Settings
 - Configuration
- **b.** Select the location of the information:
 - FTP
 - USB
- **c.** Type the FTP address and Login Credentials or the USB mass storage device identity in the appropriate fields.
- **d.** Identify the thin clients to which the image, settings, or configuration is to be deployed.

This enables you to deploy an image or configuration from an FTP server or local USB mass storage device to other thin clients on the same subnet.

The browse button may be used to choose the appropriate file to deploy. The list of devices to deploy to should be specified as a list of IPs or IP ranges, one entry per line; for example:

- 192.168.1.2
- 192.168.1.10-20

Filenames must be restricted to upper and lower case English alphabet characters (a-z A-Z), digits (0-9), dashes (-), underscores (_), and periods (.).

e. Click Start to begin deployment.

Setting security

This enables you to set passwords on this thin client and on other thin clients on the same subnet.

- 1. Open HP Easy Tools.
- 2. In the left pane, click Security under Easy Deploy to set an administrator password.

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② Easy Tools	;	.anguage 🗸 About Exit
Welcome Easy Update Updates Updates Updates Basy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security	Administrator Password Current Password New Password Confirm Password Deploy Administrator Password to other Thin Clients. Apply New Password	E nformation Security These options enable you to set passwords on this Thin Client and on other Thin Clients on the same subnet: Administrator password to Administrator password nis Thin Client and on other Thin Clients on the same subnet. The list of devices to set password to should be specified as a list of 1Ps or 1Ps ages, one entry per line: i.e. 192.168.1.10-20
Thank You	O Previous Next O	2.1.0.1129

- 3. Type the current password in the field.
- 4. Type the new password in the New Password and Confirm Password fields.

The list of devices to set passwords to should be specified as a list of IPs or IP ranges, one entry per line; for example:

- 192.168.1.2
- 192.168.1.10-20
- 5. If desired, select Deploy Administrator Password to other Thin Clients.

NOTE: You can only deploy the administrator password to thin clients that have the same current password.

6. Click Apply New Password.

Thank You

1. Click **Thank You** in the left pane to advance to the **Thank You** section.



- 2. Click **Finish** to close the HP Easy Tools wizard.
- **3.** Reboot the thin client.
- **4.** Check the thin client to be sure it operates as expected before copying this configuration to other thin clients.

3 HP Easy Tools for Microsoft[®] Windows[®] Embedded Standard (WES) 2009

HP Easy Tools does not open if HP Client Automation (HPCA), HP Device Manager (HPDM), or HP System Update services are running. To prevent HP Easy Tools from autolaunching, select **Do not auto-start HP Easy Setup Wizard** when the following screen appears while the application is booting.

Searching for HP System Update infrastructure				
🗌 Do not auto-star	t HP Easy Setup Wizard			

The HP Easy Tools window has three main parts:

Left Pane

All configuration settings categories are listed in the left pane. The HP Easy Tools wizard leads you through each category, but if you want to jump forward or backward, just click the category in the left pane. Sections that have been viewed are marked by a gray check mark. Sections that have been modified are marked by a green check mark.

• Center Pane

When you advance to or select a category in the left pane, the configuration options appear in the center pane. Click on one to open the configuration work area.

Right Pane

As you select a category and a specific setting, descriptions of the category and the specific setting appear in the right pane.

HP Easy Tools for WES 2009 has four sections:

- <u>Easy Update on page 26</u>—This section enables you to install and maintain official HP images and softpags.
- <u>Easy Config on page 31</u>—Configure thin clients and software in this section.
- <u>Easy Deploy on page 39</u>—Use this section to capture and deploy images, settings, and configurations and set administrative passwords.
- Thank You on page 45

NOTE: If a Write Filter is enabled on the thin client, you will not be able to apply a new configuration until you disable the Write Filter.

You must be logged on as administrator to use HP Easy Tools. To access HP Easy Tools:

1. Log on as administrator.

To access the Administrator logon:

- **a.** While holding down the Shift key, click Start > Shut Down.
- **b.** Still holding down the Shift key, select **Log Off**, and then click **OK** in the **Shut Down** dialog box.

NOTE: The default Administrator user name and password is Administrator.

2. Click Start. Select Control Panel and click the HP Easy Tools icon.



3. Select the language you wish to use.

NOTE: If the system language is English, then the only choice is English. If the system language is not English, then you may choose the system language or English.

You may click **Language** in the black bar across the top of the HP Easy Tools screen and change the language at any time during your session.

Easy Update

Easy Update allows you to perform the following tasks:

- <u>Updating an image on page 27</u>
- Installing or upgrading a component on page 28
- Uninstalling a component on page 30

Updating an image

NOTE: Internet connectivity is required to download images or AddOns.

You will need a USB mass storage device to update images. The USB device capacity must be larger than the image file to be downloaded plus 110 MB. For example, if the image file to be downloaded is 200 MB, the USB mass storage device must have a minimum capacity of 310 MB.

- 1. Open HP Easy Tools.
- 2. Click **Easy Update** in the left pane to begin updating the thin client.

Z Easy Tools		🛛 🔀
🕼 Easy Tool	S La	nguage 🗸 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You	S Current Image Windows Embedded Standard 2009 Image 5.1.91	nguage - About Exit
	Previous	2.1.0.1023

3. Click on the WES 2009 Image version that you would like to install.

🖊 Easy Tools		- 🗆 🔀
🕼 Easy Tool	s ı	anguage 🗕 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You	Current Image Windows Embedded Standard 2009 Image 5.1.91 Release Notes Install Image	E C Information Software update Easy Update allows you to update this Thin Client's software. Windows Embedded Standard 2009 Image 5.1.910 File: W0ST8910.IBR Size: 470.00 MB
	O Previous Next C	2.1.0.1023

NOTE: Not all versions of WES 2009 have Easy Tools to update the image.

- 4. Click Install Image to install the image.
- 5. Read the terms of the license agreement. Accept them and click **Next**.

NOTE: You must accept the terms of the license agreement in order to proceed.

6. Insert the USB mass storage device when instructed to do so and following the on-screen instructions to create a bootable USB mass storage device containing the selected image. The image can then be deployed using the USB mass storage device.

Installing or upgrading a component

- 1. Open HP Easy Tools.
- 2. Click Easy Update in the left pane to begin installing or upgrading a component.

3. Click Current Image to expand it.

A Easy Tools				🛛
Easy Tools	5		Lan	guage 🗸 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You	Name INET Framework Atheros Client Utility HP Universal Print Driver VMware View Client Windows Embedded	Image Version (2.1.21022 (5.2.0 (5.0.0.0 (4.0.1.2029 (installed) (4.0.1.2029 (installed) (4.5.0 (Apply) I Standard 2009 Image 5.1.91	Next	Information Software update Easy Update allows you to update this Thin Client's software. Install Remove Update Volate Disk Info Space required: 0.00 MB Space available: 1288.00 MB After install: 1288.00 MB
	O Previous		lext 🕥	2.1.0.1023

Installed software has a check mark to the left of the name and the version is listed as (installed).

4. Select the actions to be taken.

NOTE: You can select multiple install, update, and remove actions. If installation problems arise from having multiple selections, however, try selecting only one operation at a time.

- **Install**—Select updates to install. Click the version arrow and choose the version to install. Click the page icon to the right of the version to see the description of the update.
- **Update**—To change a version of a component, click the version arrow of an installed component and choose a different version to install. Click the page icon to the right of the version to see the description of the update.
- 5. To install or update a component, click **Apply**.
- 6. Read the terms of the license agreement. accept them and click **Next**.

NOTE: You must accept the terms of the license agreement in order to proceed.

7. If the changes listed are correct, click **Apply**.

When installation is complete, reboot the thin client at the prompt.

Uninstalling a component

- 1. Open HP Easy Tools.
- 2. Click **Easy Update** in the left pane to begin uninstalling a component.
- 3. Click Current Image to expand it.

🔏 Easy Tools				🛛
Easy Tools	5		La	nguage 🗸 About Exit
Welcome Easy Update Easy Config Regional	Cu	rrent Image		Information Software update Easy Update allows you to update this Thin Client's software. Install
Management Peripherals Connections Summary Easy Deploy Caphure	Name NET Framework Atheros Client Utility HP Universal Print Driver VMware View Client	Version 2.1.21022 5.2.0 5.0.0.0 4.0.1.2029 (Installed)		Remove Update Disk Info Space required: 0.00 MB Space available: 1288.00 MB After install: 1288.00 MB
Deploy Security Thank You	Windows Embedded	Standard 2009 Ima	Apply) age 5.1.91 Next	
	O Previous		Next 🔾	2.1.0.1023

Installed software has a check mark to the left of the name and the version is listed as (installed).

- 4. Clear the check box of the component you want to uninstall.
 - **NOTE:** You can select multiple install, update, and remove actions. If installation problems arise from having multiple selections, however, try selecting only one operation at a time.
- 5. Click Next.
- 6. Read the terms of the license agreement. accept them and click **Next**.

NOTE: You must accept the terms of the license agreement in order to proceed.

7. If the changes listed are correct, click **Apply**.

When installation is complete, reboot the thin client at the prompt.
Easy Config

The Easy Config section allows you to configure a variety of features:

- Step <u>3</u> Regional options
- Step <u>5</u> Management options
- Step <u>7</u> Peripherals
- Step <u>9</u> Connections
- Step<u>12</u> Summary
- 1. Open HP Easy Tools.
- 2. Click **Easy Config** in the left pane to begin configuring the thin client.



3. Click Next to advance to Regional options:



4. Configure the **Regional** options:

a. Time Zone

Select a geographical area and city or region in the desired time zone.

b. Keyboard

Select a keyboard layout.

NOTE: The keyboard language does not have to match the keyboard you are using to complete the Easy Tools wizard.

c. Locale

Select a language. Selecting a new locale (language) will change the format used for dates and currency to the locale selected.

5. Click Next to advance to Management options.

A Easy Tools		- 🗆 🔀
🕼 Easy Tool	S La	nguage 🗸 About Exit
Welcome Easy Update Easy Config ✓ Regional ✓ Management ✓ Peripherals		Information Management These options enable you to control the remote management options available for your Thin Client.
Connections Summary Easy Deploy Capture Deploy Security Thank You	HP Device Manager HP Client Automation	
	O Previous Next O	2.1.0.1023

- 6. Enable one or more of the **Management** options or clear the check box to disable options.
 - HP Device Manager
 - HP Client Automation

7. Click Next to advance to Peripherals.

🔏 Easy Tools		_ 🗆 🔀
🕼 Easy Tool	S La	nguage 🗸 About Exit
Welcome		(1) Information
Easy Update		P-i-ll-
Easy Config		This enables you to modify the
 Regional 		configuration of various peripherals.
 Management 	Display	
✓ Peripherals		
Connections	Power Management	
Summar y	Wireless Networking	
Easy Deploy		
Capture	Sound	
Deploy	USB Mass Storage	
Security	- g - cop r labo otoriage	
Thank You		
	Vext O	2.1.0.1023

8. Configure the **Peripherals**:

a. Display

(Required) Set the following parameters:

- **Resolution**—Select the monitor resolution.
- **Color depth**—Select a specific color depth supported by the monitor and the software.
- Refresh rate—Select the refresh rate applicable to your display/monitor. LCD
 monitors typically support 60 Hz. CRT monitors display better at higher refresh rates, but
 that may shorten the life of the monitor and can cause noise.
- **Multi-monitor mode**—Select the screen arrangement for multiple monitors (for up to four monitors).
- **Primary monitor**—Select the primary monitor, if more than one monitor will be used.

b. Power Management

Type or select the number of minutes in the **Screen saver on** field. After this specified period of inactivity, the screen saver is displayed.

c. Wireless Networking

- **SSID**—Type the Service set identifier (SSID) of the 802.11 wireless local area network (LAN) in the field.
- **Security**—Select the security option.
- **Passphrase**—If you selected a security option other than **None**, type a password in the field:
 - WEP 40-bit: 10 hexadecimals
 - WEP 104-bit: 26 hexadecimals
 - WPA Personal and WPA2 personal: 8 to 63 printable characters

d. Sound

Select **Enable** to allow sound or clear the check box to keep it switched off.

e. USB Mass Storage

- Select **Enable** to enable USB ports, or leave the check box clear to keep USB ports disabled.
- Select **Read only storage** to prevent data from being copied to a USB mass storage device.

9. Click Next to advance to Connections.

Easy Update			
Easy contig	Connections		Connections
Regional			This section enables you to create host connections for a
/ Management	👰 Delta		variety of protocols.
 Peripherals 			from the Connections will be available from the Connection
/ Connections			Please be aware that either
Summary			deleting all connections or disabling CDA mode will
Easy Deploy			automatically disable Kiosk mode.
Capture			
Deploy			
Security	Enable kiosk mode		
Thank You	New remote connection	ה – ה	

- **10.** Select a connection to make changes to it:
 - Select **Enable kiosk mode** to limit the function of the connection.
 - Click the delete icon to the right of the connection name to delete the connection.
 - Click the edit icon to edit the connection.
- **11.** To add a connection, click **New remote connection**.

Z Easy Tools		🛛
🕼 Easy Tool	S	Language 🗸 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You	Connections Classics ICA ICA ICA TeemTalk Web Browser CDA mode VDI connection brokers VDWare View XenApp	Connections This section enables you to create host connections for a variety of protocols. The connections will be available from the Connection Administrator. Please be aware that either deleting all connections or disabling CDA mode will automatically disable Klosk mode.
	O Previous Ne	xt O 2.1.0.1023

Several types of connections may be added:

NOTE: You can have multiple connections. If you enable **Auto start connection**, the connection will start automatically when the thin client is started, and the thin client will stay connected while the thin client is on. The user's work flow may not require all of the connections to be connected all of the time, and it will improve the overall performance of the thin client if unused connections are not connected.

Classics

RDP

1. Type the connection name and the server hostname or IP address in the fields.

2. Select Auto start connection, if desired.

3. Click **Save** to save the configuration.

• ICA

1. Type the connection name and the server hostname or IP address in the fields.

2. Select Auto start connection, if desired.

3. Select Enable HTTPS proxy, if desired.

4. If you enable the HTTPS proxy, type the HTTPS proxy server hostname or IP address and port number in the fields.

5. Click **Save** to save the configuration.

• TeemTalk

1. Click Use the Chinese Emulation suite, if desired.

2. Type the connection name in the field.

3. Select the **Emulation** device.

4. Select and configure the data **Transport** protocol.

5. Select Auto start connection, if desired.

6. Click **Save** to save the configuration.

Web Browser

1. Type the connection name and the URL in the fields.

2. Select Auto start connection, if desired.

3. Select Enable proxy, if desired.

4. If you enable the proxy, type the proxy server hostname or IP address and port number in the fields.

5. Click **Save** to save the configuration.

• CDA mode

- 1. Select Enable CDA Mode, if desired.
- 2. Type the server URL in the field.
- 3. Click **Save** to save the configuration.

• VDI connection brokers

VMware View

- 1. Type the connection name and the URL in the fields.
- 2. Select Auto start connection, if desired.
- 3. Click **Save** to save the configuration.

XenApp

- 1. Type the connection name and the URL in the fields.
- 2. Select Auto start connection, if desired.
- 3. Click **Save** to save the configuration.

12. Click **Next** to advance to the **Summary**.

A Easy Tools		- 🗆 🔀
🕼 Easy Tool	S	Language 🗸 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You 	Easy Config Summary Name Delta Address 192.98.1.2 Wireless SSID Security none Passphrase ********	Differentiation Summary This page summarizes any customizations you have made to the configuration. Clicking 'Apply this configuration to this Thin Client' will apply the customizations to this Thin Client.
	O Previous Nex	t o 2.1.0.1127

13. Review the Easy Config Summary. If it is correct, click Apply this configuration to this Thin Client.

Easy Deploy

The Easy Deploy section allows you to carry out the following functions:

- Capturing an image on page 39
- Deploying an image on page 41
- <u>Setting security on page 44</u>
- 1. Open HP Easy Tools.
- 2. Click Easy Deploy in the left pane to go to the Easy Deploy section.



Capturing an image

NOTE: You may need a USB mass storage device for this procedure. The USB device capacity must be larger than the thin client flash in order to capture the entire flash contents. Images larger than 4 GB cannot be captured to a USB device.

Use this procedure to capture one of the following:

- **Image**—The operating system plus configuration
- **Configuration**—The basic configuration settings you can set in Easy Config:
 - Regional
 - Management
 - Peripherals
 - Connections
- 1. Open HP Easy Tools.
- 2. In the left pane, click **Capture** under **Easy Deploy** to begin capturing an image.

A Easy Tools		_ 🗆 🔀
🕼 Easy Tool	S	Language 🗸 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You 	Capture From This Thin Client Capture: Image Configuration To: FTP FTP: Login Credentials As filename: Extensions will be appended. Start Stop	Exproper Section Secti
	G Previous Next (2.1.0.1127

- 3. Click Capture From This Thin Client and select what you want to capture:
 - Image
 - Configuration
- **4.** Select the destination for the captured information:
 - FTP
 - USB

- **5.** Type the FTP address and Login Credentials or the USB mass storage device identity in the appropriate fields.
- 6. Type a name in the As filename field

Filenames must be restricted to upper and lower case English alphabet characters (a-z A-Z), digits (0–9), dashes (-), underscores (_), and periods (.).

7. Click Start.

Deploying an image

Use this procedure to deploy one of the following:

- Image—The operating system plus configuration
- **Configuration**—The basic configuration settings you can set in Easy Config:
 - Regional
 - Management
 - Peripherals
 - Connections
- 1. Open HP Easy Tools.
- 2. In the left pane, click **Deploy** under **Easy Deploy** to begin deploying an image.
- 3. Select the deployment task:
 - Deploy To This Thin Client
 - Deploy To Other Thin Client
- 4. To Deploy To This Thin Client:

A Easy Tools		_ 🗆 🔀
🕼 Easy Tool	S	Language 🗸 About Exit
Welcome Easy Update Easy Config A Regional A Management A Management A Peripherals Connections Connections Capture Capture Capture Capture Deploy Security Thank You	S -= Deploy To This Thin Client Deploy: Image Configuration From: FTP FTP: Login Credentials Start Stop TE Deploy To Other Thin Client	Language - About Exit
	Previous Next	2.1.0.1127

- **a.** Select what you want to deploy:
 - Image
 - Configuration
- **b.** Select the location of the information:
 - FTP
 - USB

Filenames must be restricted to upper and lower case English alphabet characters (a-z A-Z), digits (0–9), dashes (-), underscores (_), and periods (.).

- c. Type the FTP address and Login Credentials or the USB mass storage device identity in the appropriate fields and click **Start** to begin deployment.
- 5. To Deploy To Other Thin Client:

A Easy Tools		- 🗆 🗵
Easy Tool	S	Language 🗸 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You	Image Configuration From: FTP: Login Credentials Apply to All Thin Clients in IP Range: Start Start	 Deformation Deploy This enables you to deploy images and configurations to your Thin Clients. Deploy To Other Thin Client This enables you to deploy an image or configuration from an FTP server or local USB mass storage device to other Thin Clients. The server or local USB mass storage device to other Thin Clients. The server or local USB mass storage devices to deploy to should be specified as a list of IPs or IP ranges, one enty per line: i.e. 192.168.1.2 Benames must be restricted to upper and lower case English alphabet characters (are A-2), digits (0-9), dashes (-); underscores(_), and periods (.).
	O Previous Next	2.1.0.1127

- **a.** Select what you want to deploy:
 - Image
 - Configuration
- **b.** Select the location of the information:
 - FTP
 - USB
- **c.** Type the FTP address and Login Credentials or the USB mass storage device identity in the appropriate fields.
- **d.** Identify the thin clients to which the image, settings, or configuration is to be deployed.

This enables you to deploy an image or configuration from an FTP server or local USB mass storage device to other thin clients on the same subnet.

The browse button may be used to choose the appropriate file to deploy. The list of devices to deploy to should be specified as a list of IPs or IP ranges, one entry per line; for example:

- 192.168.1.2
- 192.168.1.10-20

Filenames must be restricted to upper and lower case English alphabet characters (a-z A-Z), digits (0–9), dashes (-), underscores (_), and periods (.).

e. Click Start to begin deployment.

Setting security

This enables you to set passwords on this thin client and on other thin clients on the same subnet.

- 1. Open HP Easy Tools.
- 2. In the left pane, click **Security** under **Easy Deploy** to set an administrator password.

👍 Easy Tools		_ 🗆 🔀
🕼 Easy Tool	S	Language 🗸 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Connections Summary Easy Deploy Capture Deploy Security Thank You	Administrator Password Current Password New Password Confirm Password Deploy Administrator Password to other Thin Clients. Apply New Password	E Information Security These options enable you to set passwords on this Thin Client and on other Thin Clients on the same subnet. Administrator Password This enables you to set the Administrator password on this This enables you to set the Administrator password on this This clients and on other Thin Clients on the same subnet. The list of devices to set password to should be specified as a list of IPs or IP ranges, one entry per line: 192.166.1.10-20
	O Previous Nex	t 2 .1.0.1023

- 3. Type the current password in the field.
- 4. Type the new password in the **New Password** and **Confirm Password** fields.

The list of devices to set passwords to should be specified as a list of IPs or IP ranges, one entry per line; for example:

- 192.168.1.2
- 192.168.1.10-20
- 5. If desired, select Deploy Administrator Password to other Thin Clients.

NOTE: You can only deploy the administrator password to thin clients that have the same current password.

6. Click Apply New Password.

Thank You

1. Click **Thank You** in the left pane to advance to the **Thank You** section.



- 2. Click **Finish** to close the HP Easy Tools wizard.
- **3.** Reboot the thin client.
- **4.** Check the thin client to be sure it operates as expected before copying this configuration to other thin clients.

4 HP Easy Tools for Microsoft[®] Windows[®] CE

HP Easy Tools does not open if HP Client Automation (HPCA), HP Device Manager (HPDM), or HP System Update services are running. To prevent HP Easy Tools from autolaunching, select **Do not auto-start HP Easy Setup Wizard** when the following screen appears while the application is booting.

Searching for HP D	evice Manager infrastructure
Searching for HP C	ient Automation Infrastructure
Searching for HP St	ystem Update infrastructure
Do not auto-sta	art HP Easy Setup Wizard
Do not auto-sta	art HP Easy Setup Wizard
Do not auto-sta	art HP Easy Setup Wizard

The HP Easy Tools window has three main parts:

Left Pane

All configuration settings categories are listed in the left pane. The HP Easy Tools wizard leads you through each category, but if you want to jump forward or backward, just click the category in the left pane. Sections that have been viewed are marked by a gray check mark. Sections that have been modified are marked by a green check mark.

• Center Pane

When you advance to or select a category in the left pane, the configuration options appear in the center pane. Click on one to open the configuration work area.

Right Pane

As you select a category and a specific setting, descriptions of the category and the specific setting appear in the right pane.

HP Easy Tools for Windows CE has four sections:

- <u>Easy Update on page 48</u>—This section enables you to install and maintain official HP images and softpaqs.
- <u>Easy Config on page 52</u>—Configure thin clients and software in this section.

- <u>Easy Deploy on page 60</u>—Use this section to capture and deploy images, settings, and configurations and set administrative passwords.
- Thank You on page 66

NOTE: If either HPCA or HPDM is active on the network, changes in settings made through HPCA or HPDM override local changes made using HP Easy Tools.

If a Write Filter is enabled on the thin client, you will not be able to apply a new configuration until you disable the Write Filter.

You must be logged on as administrator to use HP Easy Tools, which is automatic with the default configuration of Windows CE. If changes have been made to the auto-login settings, however, you must log on as administrator. The default Administrator password is blank.

To access HP Easy Tools:

Click Start > Control Panel, and click the Easy Tools wizard icon.



NOTE: You may click **Language** in the black bar across the top of the HP Easy Tools screen and change the language at any time during your session.

If the system language is English, then the only choice is English. If the system language is not English, then you may choose the system language or English.

Easy Update

Easy Update allows you to perform the following tasks:

- Updating an image on page 48
- Installing or upgrading a component on page 49
- Uninstalling a component on page 50

Updating an image

NOTE: Internet connectivity is required to download images or AddOns.

- 1. Open HP Easy Tools.
- 2. Click Easy Update in the left pane to begin updating the thin client.

Image: Provide the series of the series	Easy Tools		
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You	🕼 Easy Tools		Language 🗸 About Exit
	Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You	Current Image Windows CE Image 6.05.651 Release Notes Instal Image Windows CE Image 6.05.652 Simplified Chinese Windows CE Image 6.05.652 French Windows CE Image 6.05.652 German	 information Software update Easy Update allows you to update addors from the currenty-installed inge, click the tab labelled "Current Image." To install a new image, click on the tab for the desired image and click "Install This Image." Windows CE Image 6.05.651 File: COST2651.IBR Sze: 71.73 MB

3. Click on the Windows CE Image version that you would like to install.

NOTE: Not all versions of Windows CE have Easy Tools to update the image.

- 4. Click **Install Image** to install the image.
- 5. Read the terms of the license agreement. Accept them and click **Next**.

NOTE: You must accept the terms of the license agreement in order to proceed.

- 6. Click Install This Image on the Warning screen.
- **7.** A progress bar shows the state of the installation. The unit automatically reboots when the installation is complete.

Installing or upgrading a component

- 1. Open HP Easy Tools.
- 2. Click **Easy Update** in the left pane to begin installing or upgrading a component.

Easy rools	📃 🗖 🔛
Easy Tools	Language 🗸 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You Previous	Contract of the second

3. Click Current Image to expand it.

Easy Tools		🔲 🗖 🔀
🕼 Easy Tools		Language 🕳 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary	Current Image	Information Software update Easy Update allows you to update this Thin Clent's software. To add, remove, and/or update addons from the currently-installed image, click the tab labeled "Current Image." To install a new image, click on the tab for the desired image and click "Install Remove Install
Easy Deploy Capture Deploy Security Thank You	Windows CE Image 6.05.651 Windows CE Image 6.05.652 Simplified Chinese Windows CE Image 6.05.652 French Windows CE Image 6.05.652 German	Upade Disk Info Space required: 0.00 MB Space available: 406.12 MB After install: 406.12 MB
	Previous Next 🤇	2.1.0.1023

Installed software has a check mark to the left of the name and the version is listed as (installed).

4. Select the actions to be taken.

NOTE: You can select multiple install, update, and remove actions. If installation problems arise from having multiple selections, however, try selecting only one operation at a time.

- **Install**—Select updates to install. Click the version arrow and choose the version to install. Click the page icon to the right of the version to see the description of the update.
- **Update**—To change a version of a component, click the version arrow of an installed component and choose a different version to install. Click the page icon to the right of the version to see the description of the update.
- 5. To install or update a component, click Apply.
- 6. Read the terms of the license agreement. accept them and click Next.

NOTE: You must accept the terms of the license agreement in order to proceed.

7. If the changes listed are correct, click **Apply**.

When the progress bar is at 100% and the status says **Done**, you can continue on with the HP Easy Tools wizard. Most add-ons installations or updates do not require a reboot in Windows CE.

Uninstalling a component

1. Open HP Easy Tools.

2. Click **Easy Update** in the left pane to begin uninstalling a component.

Easy Tools		
🕼 Easy Tools		Language 🗸 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You	Current Image Windows CE Image 6.05.651 Release Notes Install Image Windows CE Image 6.05.652 Simplified Chinese Windows CE Image 6.05.652 French Windows CE Image 6.05.652 German	 Information Software update Easy Update allows you to update this Thin Client's software. To add, remove, and/or update addons from the currently-installed image, click the tab labelled "Current Image." To install a new image, and click on the tab for the desired image and click "Install This Image." Windows CE Image 6.05.651 File: COST2651.IBR Size: 71.73 MB
	Previous Next	2.1.0.1023

3. Click **Current Image** to expand it.

Easy Tools		🔲 🗖 🔀
🕼 Easy Tools		Language 🗸 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary	Current Image	Information Software update Easy Update allows you to update this Thin Client's software. To add, remove, and/or update addons from the currently-installed image, click the tab labeled "Current Image." To install a new image, dick on the tab for the desired image and click "Install Remove Update
Easy Deploy	Windows CE Image 6.05.651	Disk Info Space required: 0.00 MB
Deploy	Windows CE Image 6.05.652 Simplified Chinese	Space available: 406.12 MB After install: 406.12 MB
Security	Windows CE Image 6.05.652 French	
Thank You	Windows CE Image 6.05.652 German	
	🧿 Previous 🔰 👘 Next 🤅	2.1.0.1023

Installed software has a check mark to the left of the name and the version is listed as (installed).

4. Clear the check box of the component you want to uninstall.

NOTE: You can select multiple install, update, and remove actions. If installation problems arise from having multiple selections, however, try selecting only one operation at a time.

- 5. Click Next.
- 6. Read the terms of the license agreement. accept them and click Next.

NOTE: You must accept the terms of the license agreement in order to proceed.

7. If the changes listed are correct, click Apply.

When the progress bar is at 100% and the status says **Done**, you can continue with the HP Easy Tools wizard. Most add-ons installations or updates do not require a reboot in Windows CE.

Easy Config

The Easy Config section allows you to configure a variety of features:

- Step <u>3</u> Regional options
- Step <u>5</u> Management options
- Step <u>7</u> Peripherals
- Step <u>9</u> Connections
- Step <u>12</u> Summary
- 1. Open HP Easy Tools.
- 2. Click **Easy Config** in the left pane to begin configuring the thin client.



3. Click Next to advance to Regional options:

Easy Tools		
🕼 Easy Tools		Language 🗸 About Exit
 ✓ Easy Loois Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You 	Time Zone Keyboard Locale	Language About Exit
	Previous	Next 🕥

4. Configure the **Regional** options:

a. Time Zone

Select a geographical area and city or region in the desired time zone.

b. Keyboard

Select a keyboard layout.

NOTE: The keyboard language does not have to match the keyboard you are using to complete the Easy Tools wizard.

c. Locale

Select a language. Selecting a new locale (language) will change the format used for dates and currency to the locale selected.

5. Click Next to advance to Management options.

Easy Tools		
🕼 Easy Tools	;	Language 🕳 About Exit
Welcome		(i) Information
Easy Update		
Easy Config		Management These options enable you to control the remote management options
🗸 Regional		available for your Thin Client.
🗸 Management 🤇		
Peripherals	hp HP Device Manager	
Connections	🔐 HP Client Automation	
Summary		
Easy Deploy	Automatic Updates	
Capture	Remote Assistance	
Deploy		
Security		
Thank You		
	Previous Next 🕥	2.1.0.1023

- 6. Enable one or more of the **Management** options or clear the check box to disable options.
 - HP Device Manager
 - HP Client Automation
 - Automatic Updates
 - Remote Assistance

7. Click **Next** to advance to **Peripherals**.

Easy Tools		🔲 🗖 🖾
🕼 Easy Tools		Language 🗸 About Exit
Welcome Easy Update		Information Peripherals
Easy Contig ✓ Regional ✓ Management		This enables you to modify the configuration of various peripherals.
✓ Peripherals	Display	
Connections	Power Management	
Summary Easy Deploy	Sound	
Capture	USB Mass Storage	
Deploy Security		
Thank You		
	Previous Next 🔾	2.1.0.1023

8. Configure the **Peripherals**:

a. Display

(Required) Set the following parameters:

- **Resolution**—Select the monitor resolution.
- **Color depth**—Select a specific color depth supported by the monitor and the software.
- **Refresh rate**—Select the refresh rate applicable to your display/monitor. LCD monitors typically support 60 Hz. CRT monitors display better at higher refresh rates, but that may shorten the life of the monitor and can cause noise.
- **Multi-monitor mode**—Select the screen arrangement for multiple monitors (for up to four monitors).

b. Power Management

Type or select the number of minutes in the **Screen saver on** field. After this specified period of inactivity, the screen saver is displayed.

c. Sound

Select **Enable** to allow sound or clear the check box to keep it switched off.

d. USB Mass Storage

Select **Enable** to enable USB ports, or leave the check box clear to keep USB ports disabled.

9. Click **Next** to advance to **Connections**.

Welcome Easy Update	Language , About Exit
Welcome Easy Update	
Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You Connection New remote connection	Connections This section enables you to create host connections for a variety of protocols. The connections will be available from the Connection Administrator. Please be aware that either deleting all connections or disabiling CDA mode will automatically disable Kiosk mode.

NOTE: If you have not yet added a remote connection, this screen will show **No remote connection**. Proceed to step <u>11</u> to add a remote connection.

- **10.** Select a connection to make changes to it:
 - Select **Enable kiosk mode** to limit the function of the connection.
 - Click the delete icon to the right of the connection name to delete the connection.
 - Click the edit icon to edit the connection.
- **11.** To add a connection, click **New remote connection**.

	anguage 🗸 About Exit
Welcome Easy Update Easy Config Regional Management Management Peripherals Connections Peripherals Connections Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You Peripherals Cance 	Information Connections This section enables you to create host connections for a variety of protocols. The connection Administrator. Please be aware that either deleting all connections or disabling CDA mode will automatically disable Kiosk mode.

Several types of connections may be added:

NOTE: You can have multiple connections. If you enable **Auto start connection**, the connection will start automatically when the thin client is started, and the thin client will stay connected while the thin client is on. The user's work flow may not require all of the connections to be connected all of the time, and it will improve the overall performance of the thin client if unused connections are not connected.

- Classics
 - RDP

1. Type the connection name and the server hostname or IP address in the fields.

2. Select Auto start connection, if desired.

3. Click **Save** to save the configuration.

• ICA

1. Type the connection name and the server hostname or IP address in the fields.

- 2. Select Auto start connection, if desired.
- 3. Select Enable HTTPS proxy, if desired.

4. If you enable the HTTPS proxy, type the HTTPS proxy server hostname or IP address and port number in the fields.

5. Click **Save** to save the configuration.

• TeemTalk

- 1. Type the connection name in the field.
- 2. Select the **Emulation** device.
- 3. Select and configure the data **Transport** protocol.
- 4. Select Auto start connection, if desired.
- 5. Click **Save** to save the configuration.

• Web Browser

- 1. Type the connection name and the URL in the fields.
- 2. Select Auto start connection, if desired.
- 3. Select **Enable proxy**, if desired.

4. If you enable the proxy, type the proxy server hostname or IP address and port number in the fields.

5. Click **Save** to save the configuration.

• CDA mode

- 1. Select Enable CDA Mode, if desired.
- 2. Type the URL in the field.
- 3. Click **Save** to save the configuration.

• VDI connection brokers

• VMware View

- 1. Type the connection name and the URL in the fields.
- 2. Select Auto start connection, if desired.
- 3. Click **Save** to save the configuration.

• XenApp

1. Type the connection name and the URL in the fields.

2. Select Auto start connection, if desired.

3. Click **Save** to save the configuration.

12. Click **Next** to advance to the **Summary**.



13. Review the Easy Config Summary. If it is correct, click Apply this configuration to this Thin Client.

Easy Deploy

The Easy Deploy section allows you to carry out the following functions:

- Capturing an image on page 60
- Deploying an image on page 62
- Setting security on page 65
- 1. Open HP Easy Tools.
- 2. Click Easy Deploy in the left pane to go to the Easy Deploy section.



Capturing an image

NOTE: You may need a USB mass storage device for this procedure. The USB device capacity must be larger than the thin client flash in order to capture the entire flash contents. Images larger than 4 GB cannot be captured to a USB device.

Use this procedure to capture one of the following:

- Image—The operating system plus all settings and configuration
- Settings—The basic configuration settings plus additional advanced settings
- Configuration—The basic configuration settings you can set in Easy Config:
 - Regional
 - Management

- Peripherals
- Connections

1. Open HP Easy Tools.

2. In the left pane, click **Capture** under **Easy Deploy** to begin capturing an image.

Easy Tools		🔲 🗖 🛛
Easy Tools		Language 🚽 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You	Capture From This Thin Client Capture: Image Settings Configuration To: FTP FTP: Login Credentials As filename: Extensions will be appended. Start Stop	Different contraction of the second s
	🗘 Previous 🛛 🚽 Next 😏	2.1.0.1023

- 3. Click Capture From This Thin Client and select what you want to capture:
 - Image
 - Settings
 - Configuration
- **4.** Select the destination for the captured information:
 - FTP
 - USB
- **5.** Type the FTP address and Login Credentials or the USB mass storage device identity in the appropriate fields.
- 6. Type a name in the As filename field

Filenames must be restricted to upper and lower case English alphabet characters (a-z A-Z), digits (0–9), dashes (-), underscores (_), and periods (.).

7. Click Start.

Deploying an image

Use this procedure to deploy one of the following:

- Image—The operating system plus all settings and configuration
- **Settings**—The basic configuration settings plus additional advanced settings
- **Configuration**—The basic configuration settings you can set in Easy Config:
 - Regional
 - Management
 - Peripherals
 - Connections
- 1. Open HP Easy Tools.
- 2. In the left pane, click **Deploy** under **Easy Deploy** to begin deploying an image.
- **3.** Select the deployment task:
 - Deploy To This Thin Client
 - Deploy To Other Thin Client
- 4. To Deploy To This Thin Client:

Easy Tools		🔲 🗐 💟
Easy Tools		Language 🗸 About Exit
Welcome Easy Update Easy Config Regional Regional Regional Peripherals Connections Summary Easy Deploy Capture Capture Deploy Security Thank You	B-E Deploy To This Thin Client Deploy: Image Settings Configuration From: FTP FTP: Login Credentials Start Stop Start Stop Start Stop	 Information Deploy This enables you to deploy images and configurations to your Thin Clients. Deploy To This Thin Client This enables you to deploy an image or configuration from an FTP server or local USB mass storage device to this Thin Client. The browse button may be used to choose the appropriate file to deploy.
	Ġ Previous 🛛 👘 Next 😔	2.1.0.1023

- **a.** Select what you want to deploy:
 - Image
 - Settings
 - Configuration
- **b.** Select the location of the information:
 - FTP
 - USB

Filenames must be restricted to upper and lower case English alphabet characters (a-z A-Z), digits (0–9), dashes (-), underscores (_), and periods (.).

- **c.** Type the FTP address and Login Credentials or the USB mass storage device identity in the appropriate fields and click **Start** to begin deployment.
- 5. To Deploy To Other Thin Client:

Easy Tools		
🕼 Easy Tools		Language 🗸 About Exit
 Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You 	Deploy To This Thin Client Deploy To Other Thin Client Deploy: Image Settings Configuration From: FTP FTP: Login Credentials Apply to All Thin Clients in IP Range: Start Stop	Earlydage About EARL For the nables you to deploy images and configurations to your Thin Clients. Deploy To Other Thin Client This enables you to deploy an image or configuration from an FIP server or configuration from an FIP server or configuration from an FIP server or local USB mass storage device to other Thin Clients on the same subnet. The browse button may be used to choose the appropriate file to deploy. The list of devices to deploy to should be specified as a list of IPs or IP ranges, one entry per line: i.e. 192.168.1.2 192.168.1.10-20
	O Previous Next O	2.1.0.1023

- **a.** Select what you want to deploy:
 - Image
 - Settings
 - Configuration
- **b.** Select the location of the information:
 - FTP
 - USB
- c. Type the FTP address and Login Credentials or the USB mass storage device identity in the appropriate fields.
- d. Identify the thin clients to which the image, settings, or configuration is to be deployed.

This enables you to deploy an image or configuration from an FTP server or local USB mass storage device to other thin clients on the same subnet.

The browse button may be used to choose the appropriate file to deploy. The list of devices to deploy to should be specified as a list of IPs or IP ranges, one entry per line; for example:

- 192.168.1.2
- 192.168.1.10-20

Filenames must be restricted to upper and lower case English alphabet characters (a-z A-Z), digits (0-9), dashes (-), underscores (_), and periods (.).

e. Click Start to begin deployment.

Setting security

This enables you to set passwords on this thin client and on other thin clients on the same subnet.

- 1. Open HP Easy Tools.
- 2. In the left pane, click **Security** under **Easy Deploy** to set an administrator password.

Easy Tools		🔲 🗖 🔀
Easy Tools	L	anguage 🗸 About Exit
Welcome Easy Update Easy Config Regional Management Peripherals Connections Summary Easy Deploy Capture Deploy Security Thank You	Administrator Password Current Password New Password Confirm Password Deploy Administrator Password to other Thin Clients. Apply New Password	Different end of the second se
	O Previous Next O	2.1.0.1023

- **3.** Type the current password in the field.
- 4. Type the new password in the New Password and Confirm Password fields.

The list of devices to set passwords to should be specified as a list of IPs or IP ranges, one entry per line; for example:

- 192.168.1.2
- 192.168.1.10-20
- 5. If desired, select Deploy Administrator Password to other Thin Clients.

NOTE: You can only deploy the administrator password to thin clients that have the same current password.

6. Click Apply New Password.

Thank You

1. Click **Thank You** in the left pane to advance to the **Thank You** section.



- 2. Click **Finish** to close the HP Easy Tools wizard.
- **3.** Reboot the thin client.
- **4.** Check the thin client to be sure it operates as expected before copying this configuration to other thin clients.
5 HP Easy Tools for PC

HP Easy Tools for PCs leverages the same wizard-driven toolset provided within HP thin clients to provide a stand-alone version of HP Easy Config.

With this application, a user can run HP Easy Config on a PC to configure settings and connections and save those configurations for later use.

HP Easy Tools for PCs is provided as a separate softpaq that can be downloaded and installed to complement the existing Easy Tools located on HP thin clients.

Easy Config

The HP Easy Tools window has three main parts:

Left Pane

All configuration settings categories are listed in the left pane. The HP Easy Tools wizard leads you through each category, but if you want to jump forward or backward, just click the category in the left pane.

Center Pane

When you advance to or select a category in the left pane, the configuration options appear in the center pane. Click on one to open the configuration work area.

Right Pane

As you select a category and a specific setting, descriptions of the category and the specific setting appear in the right pane.

The Easy Config section allows you to configure a variety of features:

- Step <u>4</u> Regional options
- Step <u>6</u> Management options
- Step <u>8</u> Peripherals
- Step <u>10</u> Connections
- Step <u>13</u> Summary

NOTE: Configuration settings categories that have been viewed are marked by a gray check mark. Sections that have been modified are marked by a green check mark.

1. Click **Easy Config** in the left pane to advance to the **Easy Config** section.



- 2. Click Load Configuration. Locate and select the desired configuration file in the dialog box and click **Open** to load the file.
- 3. Select the platform from the Thin Client Platform list.

4. Click Next to advance to Regional options:

🖏 Easy Tools		- • •
Easy Tools		Language 🗸 About Exit
Easy Config		(i) Information
🗸 Regional		
Management		Regional These options enable you to configure the following features of your Thin Clients:
Peripherals		1. The Time Zone.
Connections		2. The Keyboard layout.
Summary	Time Zone	3. The Locale.
	Keyboard	
	Locale	
	O Provious	
	Next C	2.1.0.943

5. Configure the **Regional** options:

a. Time Zone

Select a geographical area and city or region in the desired time zone.

b. Keyboard

Select a keyboard layout.

NOTE: The keyboard language does not have to match the keyboard you are using to complete the Easy Tools wizard.

c. Locale

Select a language.

6. Click Next to advance to Management options.



- 7. Enable one or more of the **Management** options.
 - HP Device Manager
 - HP Client Automation
- 8. Click **Next** to advance to **Peripherals**.

asy Tools		- • ×
Easy Tools		Language 🗸 About Exit
Easy Config		(i) Information
🗸 Regional		
✓ Management		Peripherals This enables you to modify the configuration of various peripherals.
 Peripherals 	Display	
Connections		
Summary	Power Management	
	察 Wireless Networking	
	Sound	
	USB Mass Storage	
	O Previous Next O	2.1.0.943

9. Configure the **Peripherals**:

a. Display

(Required) Set the following parameters:

- **Resolution**—Select the monitor resolution.
- **Color depth**—Select a specific color depth supported by the monitor and the software.
- **Refresh rate**—Select the refresh rate applicable to your display/monitor. LCD monitors typically support 60 Hz. CRT monitors display better at higher refresh rates, but that may shorten the life of the monitor and can cause noise.
- **Multi-monitor mode**—Select the screen arrangement for multiple monitors (for up to four monitors).
- **Primary monitor**—Select the primary monitor, if more than one monitor will be used.

b. Power Management

Type or select the number of minutes in the **Screen saver on** field. After this specified period of inactivity, the screen saver is displayed.

c. Wireless Networking

- **SSID**—Type the Service set identifier (SSID) of the 802.11 wireless local area network (LAN) in the field.
- Security—Select the security option.
- **Passphrase**—If you selected a security option other than **None**, type a password in the field:
 - WEP 40-bit: 10 hexadecimals
 - WEP 104-bit: 26 hexadecimals
 - WPA Personal and WPA2 personal: 8 to 63 printable characters

d. Sound

Select **Enable** to allow sound or leave the check box clear to keep it switched off.

e. USB Mass Storage

- Select **Enable** to enable USB ports, or leave the check box clear to keep USB ports disabled.
- Select **Read only storage** to prevent data from being copied to a USB mass storage device.

10. Click **Next** to advance to **Connections**.

Easy Config	Connections	(i) Information
 Regional Management Peripherals Connections Summary 	Detta	Connections This section enables you to create hi connections for a variety of protoco The connections created can be launched using the following method On ThinPro the connections will be available in the Control Center. On WES and CE the connections wi available from the Connection Administrator. Please be aware that either deleting i
	Enable kiosk mode	connections or disabiling CUA mode automatically disable Kiosk mode.

NOTE: If you have not yet added a remote connection, this screen will show **No remote connection**. Proceed to step <u>12</u> to add a remote connection.

- **11.** Select a connection to make changes to it:
 - Select **Enable kiosk mode** to limit the function of the connection.
 - Click the delete icon to the right of the connection name to delete the connection.
 - Click the edit icon to edit the connection.
- **12.** To add a connection, click **New remote connection**.

🔩 Easy Tools		_ • • ×
Easy Tools		Language 🗸 About Exit
Easy Config Regional Management Peripherals Connections Summary	Cancel	Final Structure Connections This section enables you to create host connections for a variety of protocols. The connections related can be functed using the following methods: On ThinPro the connections will be available in the Control Center. On WESs and CE the connections will be available from the Connection and annistrato. Please be aware that either deleting all connections or disabiling COA mode available from the Sonne tools mode.
	V Previous Next O	2.1.0.943

Several types of connections may be added:

NOTE: You can have multiple connections. If you enable **Auto start connection**, the connection will start automatically when the thin client is started, and the thin client will stay connected while the thin client is on. The user's work flow may not require all of the connections to be connected all of the time, and it will improve the overall performance of the thin client if unused connections are not connected.

- Classics
 - RDP

1. Type the connection name and the server hostname or IP address in the fields.

2. Select Auto start connection, if desired.

3. Click **Save** to save the configuration.

• ICA

1. Type the connection name and the server hostname or IP address in the fields.

2. Select Auto start connection, if desired.

3. Select Enable HTTPS proxy, if desired.

4. If you enable the HTTPS proxy, type the HTTPS proxy server hostname or IP address and port number in the fields.

5. Click **Save** to save the configuration.

• TeemTalk

1. Click Use the Chinese Emulation suite, if desired.

- 2. Type the connection name in the field.
- 3. Select the **Emulation** device.
- 4. Select and configure the data **Transport** protocol.
- 5. Select Auto start connection, if desired.
- 6. Click **Save** to save the configuration.

• Web Browser

- 1. Type the connection name and the server hostname or IP address in the fields.
- 2. Select Auto start connection, if desired.
- 3. Select **Enable proxy**, if desired.

4. If you enable the proxy, type the proxy server hostname or IP address and port number in the fields.

5. Click **Save** to save the configuration.

• CDA mode

- 1. Select Enable CDA Mode, if desired.
- 2. Type the server hostname or IP address in the field.
- 3. Click **Save** to save the configuration.

• VDI connection brokers

• VMware View

- 1. Type the connection name and the URL in the fields.
- 2. Select Auto start connection, if desired.
- 3. Click **Save** to save the configuration.

• XenApp

- 1. Type the connection name and the URL in the fields.
- 2. Select Auto start connection, if desired.
- 3. Click **Save** to save the configuration.

13. Click **Next** to advance to the **Summary**.

🎭 Easy Tools		- • ×
Easy Tools		Language 🗸 About Exit
Easy Config Regional Management Peripherals Connections Summary	Easy Config Summary RDP Name Delta Autostart false Address asdf	EVALUATE: Information Summary Thip age summarizes any customizations you have made to the configuration. Clicking "Save Configuration" will save the configuration in a file.
	save conguration	
	Previous Finish	2.1.0.943

14. Review the Easy Config Summary. If it is correct, click Save Configuration.