GET YOUR THIN CLIENT RUNNING

RIGHT OUT OF THE BOX.

QUICK START TO EVALUATING HP THINPRO THIN CLIENTS

HP t5545 and HP t5145
Congratulations—welcome to enhanced security, reduced cost, less risk and a system that’s a whole lot easier to manage.

HP ThinPro thin clients help improve productivity with quick deployment of simple, familiar and more reliable computing experiences.

**It’s easy to get started.**
This quick-start guide illustrates some of the most common tasks of setting up an HP ThinPro thin client. It’s designed to help you get up and running, right out of the box. However, if you have questions, need more information or want to set up a more unique configuration, please refer to the HP ThinPro Administration Guide at [www.hp.com/support/manuals/thinclients](http://www.hp.com/support/manuals/thinclients). Select your thin client and its respective guide under General Reference.

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**LOGGING ON AND GETTING STARTED**

The HP ThinPro interface appears when you first turn on the thin client and defaults to User Mode.

<table>
<thead>
<tr>
<th>User Mode</th>
<th>Administrator Mode</th>
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</thead>
<tbody>
<tr>
<td><img src="image" alt="User Mode" /></td>
<td><img src="image" alt="Administrator Mode" /></td>
</tr>
</tbody>
</table>

- **User Mode**
  - Allows restricted rights to subset of access connection creation and control panel applications. Allows restricted rights to subset of access connection creation and control panel applications.

- **Administrator Mode**
  - Allows full access to control panel applets, manipulation of HP ThinState Capture and Deploy, FTP images, etc.
  - Defines which connections and connection types are visible when in User Mode, and limits users on deleting connections or creating new ones.

Note: You must log in with administrator permissions to access all components of the HP ThinPro user interface. The default password for Administrator Mode is: root.

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**To switch between User and Administrator mode:**

1. Click the HP logo in the bottom left of the screen.
   
or

2. Position your cursor in the screen background and right-click. Then, select **Administrator/User Mode Switch**.

3. Enter your password.

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A blue banner at the top of the console window designates User Mode.

A red banner at the top of the console window designates Administrator Mode.
CHANGING PASSWORDS

The security feature allows you to change Administrator and User passwords. HP recommends you change both the Administrator and User passwords to further secure your thin client system.

To change your password:
2. Select Administrator or User and click Change password.
3. Type the new password in the New password field and Confirmation fields.
4. Click OK.

PRE-INSTALLED/INSTALLED SOFTWARE

To view applications pre-loaded on your ThinPro thin client:
In the ThinPro Control Center, select System Information > Software Information (tab).
This Software Information screen displays the name and version of the installed software.

ENABLING AND DISABLING USER PERMISSIONS

Administrator Mode only
Administrators can provide users with authorized actions on connections, applications and desktop options.
To access, select: Control Panel > Setup (tab) > ThinPro Configuration.

Permissions

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<th>Connections: Authorized actions on connections</th>
<th>Control Panel: Authorized applications</th>
<th>Desktop: Desktop options</th>
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<tr>
<td>![Connections Image]</td>
<td>![Control Panel Image]</td>
<td>![Desktop Image]</td>
</tr>
</tbody>
</table>

Select the box next to each connection, application or desktop option you want to permit access to, then click Apply, then OK to close the dialogue box.
There are a variety of management options when installing a new or updated image.

### HP ThinState Capture

A very simple wizard-based tool is used to capture or restore (deploy) an image to an HP thin client from the same model and hardware configuration.

Allows you to either capture or deploy a copy of:

1. **An Image**: complete ThinPro OS with add-ons, customizations, settings
2. **A Configuration**: connections and settings

In two locations: FTP server or local USB storage

#### Management options

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<th>Management options</th>
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<td>HP ThinState Capture and Deploy</td>
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<td>HP ezUpdate (stateless mode support)</td>
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<td>HP Device Manager</td>
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<td>HP Client Automation/Altiris</td>
<td>PCs, Thin Clients and mixed environments</td>
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#### CREATING AND LAUNCHING CONNECTIONS

**Example: adding and connecting to Citrix ICA**

1. Select **Add** under **Connections** window.
2. Select Citrix ICA.
3. Provide the respective network and credentials information.
4. Click **Finish**.

#### MANAGING YOUR THIN CLIENT

1. Select the **Add** button on the **Connections** window list.
2. Select from the drop down list the connection you would like to add.
3. Follow on screen wizard instructions.
4. New Connection name will appear in the connection list.
5. Double click the connection name to launch connection.

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## HP ezUpdate (Stateless Server Setup)

Embedded management solution utilizing existing ftp resources

1. Set up the ezUpdate Server.
   a. Create two folders in the ftp server.
   i. ezupdate root directory
   ii. Directory of items you want to deploy to your ThinPro devices

   - **Custom:** shell scripts based updates (.sh)
   - **Image:** full HP ThinPro image created by ThinState (.dd.gz)
   - **Packages:** one or more HP ThinPro packages
   - **PersistentProfile:** temporary thin state profile or templates (.xml)
   - **StatelessProfile:** temporary thin state profile or template to be installed on every boot where no data is stored on the thin client flash (.xml)

   Note that multiple updates are possible in the same ezUpdate tree (Image + Packages + Profile).

2. Enable ezUpdate utility by either:
   a. DHCP Tag 137 (recommended method)
   b. Manually
      i. Click Control Panel > Management > ezUpdate.
      ii. Input the listed fields.

   **Recommendation:** Once the ftp server is set up and the required updates are in place (.dd.gz, package, or .xml profiles), we recommend you set up your DHCP server to provide ezUpdate server information with Tag 137. This provides you full advantage of automatic ezUpdate deployment at boot up on your HP ThinPro device.

## 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](http://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](http://www.hp.com/go/software).

Search “HP Client Automation.”

## Altiris Deployment Solution

Solution offers OS deployment, configuration and software deployment across HP thin client operating systems.

To download software and for more information please visit [www.altiris.com/Products/DeploymentSolution/hpthinclients.asp](http://www.altiris.com/Products/DeploymentSolution/hpthinclients.asp).
### TIPS AND TRICKS

#### DHCP TAG AUTOMATION (ZERO TOUCH CONFIGURATION)

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<th>User interface</th>
<th>Tag 192</th>
<th>Language and keyboard</th>
<th>ThinPro UI language and keyboard can be automatically changed from English to other languages by configuring DHCP Tag 192 as a string with a value of English, German, Spanish, French, Japanese or Simplified Chinese.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management</td>
<td>Tag 190</td>
<td>Altiris Server</td>
<td>Altiris is disabled by default on ThinPro. It can be activated automatically if the local area network DHCP server provides Altiris server information through DHCP Tag 190.</td>
</tr>
<tr>
<td></td>
<td>Tag 137</td>
<td>ezUpdate / Stateless</td>
<td>EzUpdate server information can be provided by configuring DHCP Tag as 137 on the DHCP server. Enter your own user name, password, server and path in this order: ftp://username:password@server/path.</td>
</tr>
<tr>
<td>Connections</td>
<td>Tag 191</td>
<td>Citrix Desktop Appliance (CDA)</td>
<td>CDA mode can be enabled by configuring DHCP Tag 191 as a string whose value is the URL to the Citrix environment.</td>
</tr>
<tr>
<td>Time related</td>
<td>Tag 42</td>
<td>Time Servers</td>
<td>This tag is a list of NTP Time Server addresses.</td>
</tr>
<tr>
<td></td>
<td>Tag 101</td>
<td>Time zone Code [tcode] (Best)</td>
<td>Unix®-style time zones, such as “Africa/Algiers”</td>
</tr>
<tr>
<td></td>
<td>Tag 100</td>
<td>Time zone Code [pcode] (Better)</td>
<td>Posix-style time zones, IEEE 1003.1 format, e.g., “EST5EDT4,M3.2.0/02:00,M11.1.0/02:00”</td>
</tr>
<tr>
<td></td>
<td>Tag 2</td>
<td>Time-Offset (Okay)</td>
<td>Two's-complement offset in seconds from UTC, e.g., “0xffff9d90”</td>
</tr>
</tbody>
</table>

#### KEYBOARD SHORTCUTS

| Ctrl+Alt+End | Minimize all ThinPro windows except the Control Center |
| Ctrl+Alt+Tab | Cycle between active connection and the HP ThinPro Control Center |
| Ctrl+Alt+Shift+S | Start HP ThinPro Shutdown Dialog which allows you to switch to Administrator Mode when no UI is available |
| Ctrl+Esc | Open the Start Menu (when taskbar is available) |
THE HP ADVANTAGE

HP provides the complete end-to-end solution.
To learn more, visit
www.hp.com/support/manuals/thinclients

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