# User input syntax key

Text that you must enter into a user interface is indicated by **fixed-width font**.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text without brackets or braces</td>
<td>Items you must type exactly as shown</td>
</tr>
<tr>
<td>&lt;Text inside angle brackets&gt;</td>
<td>A placeholder for a value you must provide; omit the brackets</td>
</tr>
<tr>
<td>[Text inside square brackets]</td>
<td>Optional items; omit the brackets</td>
</tr>
<tr>
<td>{Text inside braces}</td>
<td>A set of items from which you must choose only one; omit the braces</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>...</td>
<td>Items that can or must repeat; omit the ellipsis</td>
</tr>
</tbody>
</table>
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1 Getting started

This guide outlines the use of HP Thin Client Conversion Suite, a software package that allows users to use their computer as a PC and thin client simultaneously. This software package includes HP Easy Shell, HP Write Manager, HP USB Port Manager, HP Velocity, and HP Device Manager. As an administrator, you can customize interfaces, optimize network performance, and allow users access to the familiar Windows® operating system. It is assumed you will log on to Windows as an administrator when configuring or using the administrative apps as discussed in this guide.

**NOTE:** The software included in HP Thin Client Conversion Suite cannot be updated to newer versions that are released for HP thin clients.

Supported operating systems

The following operating systems support HP Thin Client Conversion Suite:

- Windows 10 (64-bit)
- Windows 7 (32-bit and 64-bit)

System prerequisites

- HP computer
- Minimum disk space: 32 GB with a minimum of 2 GB free
- Minimum RAM: 4 GB
- Microsoft® .NET Framework 4.5 or 4.0
- OpenSSL
- Microsoft C Runtime Library 2012 or 2008

Setup

**Downloading the software**

After you purchase HP Thin Client Conversion Suite, HP sends you a confirmation email with the information you need to download and install HP Thin Client Conversion Suite.

1. Verify that you are connected to the Internet.
2. In the confirmation email, verify the product information and order details and then select **Access your products.** The HP website opens in your default browser.
3. Enter your HP Passport **User ID** and **Password**, and then select **Sign in.** If you do not have an HP Passport account, select **Create an account** and follow the on-screen instruction.
4. In the **Confirmation Number** box, enter the confirmation number from your confirmation email.
5. Enter the email address where you received the confirmation email.
6. Verify the order summary, and then select **Get Software.**
7. Download the installer. Make sure to note the location where you saved the files.
8. Run the installer.
9. When prompted, select the license file you saved and then select Validate.
10. Select the software components to be installed on your device, and then select Install.

**Deploying the software**

HP Thin Client Conversion Suite can be manually installed on each of your devices.

HP Thin Client Conversion Suite can be installed on multiple computers simultaneously using a software deployment tool such as Microsoft System Center Configuration Manager. For the silent installation syntax, see Command line on page 9.

**NOTE:** You cannot use HP Device Manager for the initial deployment of HP Thin Client Conversion Suite, because HP Device Manager is not installed yet on your devices.

**Finding administrative apps in Control Panel**

Most of the administrative apps referenced in this guide can be found in Control Panel when viewed as icons (not as categories).

To open Control Panel:

▲ **Windows 10, version 1703:**

Type control panel in the taskbar search box, and then select Control Panel from the menu.

**Windows 10, version 1607:**

Right-click the Start button, and then select Control Panel from the menu.

**Windows 7:**

Left-click the Start button, and then select Control Panel from the menu.

**TIP:** On a touch screen, a right-click can be performed by touching and holding the desired location.

– or –

Press the Windows key + X, and then select Control Panel from the menu.
HP Easy Shell allows you to configure connections, websites, and apps for kiosk-style deployments of HP thin clients and computers based on Windows operating systems. You can also customize the kiosk interface that is presented to users and enable or disable user access to specific Control Panel settings. The configured environment can be deployed to multiple thin clients using HP Device Manager (HPDM).

To open HP Easy Shell (the kiosk interface for end users or administrator testing):
▲ Select **Start**, select **HP**, and then select **HP Easy Shell**.

To open HP Easy Shell Configuration (the configuration app for administrators):
▲ In Control Panel, select **HP Easy Shell Configuration**.

For more information, see the administrator guide for HP Easy Shell.
HP Write Manager is an operating system component that protects the contents of and decreases wear on the flash drive of a thin client by redirecting and caching writes in an overlay, which is a virtual storage space in RAM that tracks changes to a protected volume (the flash drive). The user experience in Windows is unaffected because the operating system maintains the appearance of writing to the flash drive. When a system restart occurs, the overlay cache is cleared, and any changes made since the last system startup are lost permanently. If it is necessary to make permanent system configurations, an administrator can commit (persist by writing through to the protected volume) changes stored in the overlay cache prior to a system restart.

HP Write Manager is a newly designed write filter that makes configuration changes and custom profile setups simple and minimizes interruptions to the user.

HP Write Manager allows you to manage on a per-file basis, so you can immediately (without a system restart) commit individual files or restore files to their previous state from the underlying volume by discarding the changes. You can also exclude files from protection so that changes to them are always written directly to the flash drive. However, you cannot commit the entire HP Write Manager overlay cache in a single command.

For more information, see the administrator guide for HP Write Manager.
4 HP USB Port Manager

HP USB Port Manager allows you to manage USB device access. Features include the ability to block all USB devices, allow only certain USB devices, and set access to USB mass storage devices as read-only.

By default, USB Port Manager does not block any devices.

To open HP USB Port Manager:

▲ In Control Panel, select HP USB Port Manager.

If you enable the ability to block all USB devices, you can then choose to allow only certain USB devices.

Before using a USB device, you must manually add the device to the Advanced Devices list using the following procedure.

1. In HP USB Port Manager, select Add.

2. In the window that appears, select a type of device, and then if necessary, enter the Vendor ID, Product ID, or Class ID.

3. Select OK.

4. To add another type of device, repeat steps 1 and 2.

5. After all devices are added to the list, select OK.

For more information, see the administrator guide for HP USB Port Manager.
HP Velocity is a quality of service (QoS) system that dramatically improves the user experience for real-time, networked apps by reducing packet loss on IP-based networks used to carry the app traffic. The HP Velocity client-side component can also be used in conjunction with a server-side component.

NOTE: HP Velocity is supported only on the following product lines:

- HP EliteDesk
- HP EliteBook
- HP ProDesk
- HP ProBook
- Any HP thin client

For more information, see the administrator guide for HP Velocity.
HP Device Manager (HPDM) provides the capability for centralized, server-based administration of HP thin clients and computers using HP Thin Client Conversion Suite. The client-side component is HPDM Agent.

To open HPDM Agent:

▲ In Control Panel, select **HPDM Agent**.

The HPDM Agent can establish communication between a computer and the HPDM Server. HP recommends the following uses:

- Asset management
- Remote configuration of HP Thin Client Conversion Suite components
  - HP Easy Shell
  - HP Velocity
  - HP Write Manager
  - HP USB Port Manager
- Basic Windows operating system configuration using File and Registry

**NOTE:** HPDM is not a fully-featured computer management tool when used on standard PCs (not HP thin clients), but as part of HP Thin Client Conversion Suite it provides basic remote management features and visibility to computers as well as deployed HP thin clients. Some standard features, such as image capture and deploy, are not available for full Windows 10 or Windows 7 operating systems.

For more information, see the administrator guide for HP Device Manager.
## Finding more information

To find more information, use the following table.

### NOTE: Information at websites listed in this table might be available in English only.

<table>
<thead>
<tr>
<th>Resource</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP support website</td>
<td>Administrator guides for HP Thin Client Conversion Suite and its components</td>
</tr>
<tr>
<td></td>
<td>▲ When prompted to search for a product, search for HP Thin Client Conversion Suite.</td>
</tr>
<tr>
<td>HP Thin Clients website</td>
<td>Information on HP thin client products</td>
</tr>
<tr>
<td>HP Device Manager resources</td>
<td></td>
</tr>
</tbody>
</table>

http://www.hp.com/support

http://www.hp.com/go/thin

http://www.hp.com/go/hpdm
## Command line

The following command line argument structures can be used:

```plaintext
HPThinPCConverter.exe -help

- or -

HPThinPCConverter.exe -filetags

- or -

HPThinPCConverter.exe [-s][-s+] -i [all]|[FILETAG]
```

**NOTE:** Either “all” or a list of file tags is required.

“-s” or “-s+” arguments are optional.

```plaintext
- or -

HPThinPCConverter.exe -ls "[LIC_PATH]"
```

**NOTE:** LIC_PATH must be enclosed by quotation marks (""").

The following are valid command line arguments.

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>-filetags</code></td>
<td>Displays all file tags for available programs.</td>
</tr>
<tr>
<td><code>-s</code></td>
<td>Silently installs programs with no UI.</td>
</tr>
<tr>
<td><code>-s+</code></td>
<td>Installs programs with a minimal UI.</td>
</tr>
<tr>
<td><code>-i</code></td>
<td>Installs software with file tags passed.</td>
</tr>
<tr>
<td><code>all</code></td>
<td>Installs all programs.</td>
</tr>
<tr>
<td><code>FILETAG</code></td>
<td>Installs programs with given file tag passed.</td>
</tr>
<tr>
<td><code>LIC_PATH</code></td>
<td>Specifies the full path, including the file name, to the license.</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> LIC_PATH must be enclosed by quotation marks (&quot;&quot;&quot;).</td>
</tr>
<tr>
<td><code>-ls</code></td>
<td>Determines whether the license is valid.</td>
</tr>
<tr>
<td></td>
<td>To set a license file location, add the license path after this argument.</td>
</tr>
<tr>
<td><code>-help</code></td>
<td>Displays all command line options.</td>
</tr>
</tbody>
</table>

For example, entering the command `HPThinPCConverter.exe -s -i app1 app2` silently installs both app1 and app2. In this example, app1 and app2 represent the file tags for the respective programs.

If you enter `HPThinPCConverter.exe -i all`, all applications are installed with full UIs via `HPThinPCConverter.exe`. 