



## Overview of Cisco Host Upgrade Utility

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### About the Cisco Host Upgrade Utility

The Cisco Host Upgrade Utility (hereafter referred to as HUU) is a tool that you can use to upgrade or downgrade the firmware on a Cisco UCS C-Series and S-Series servers.

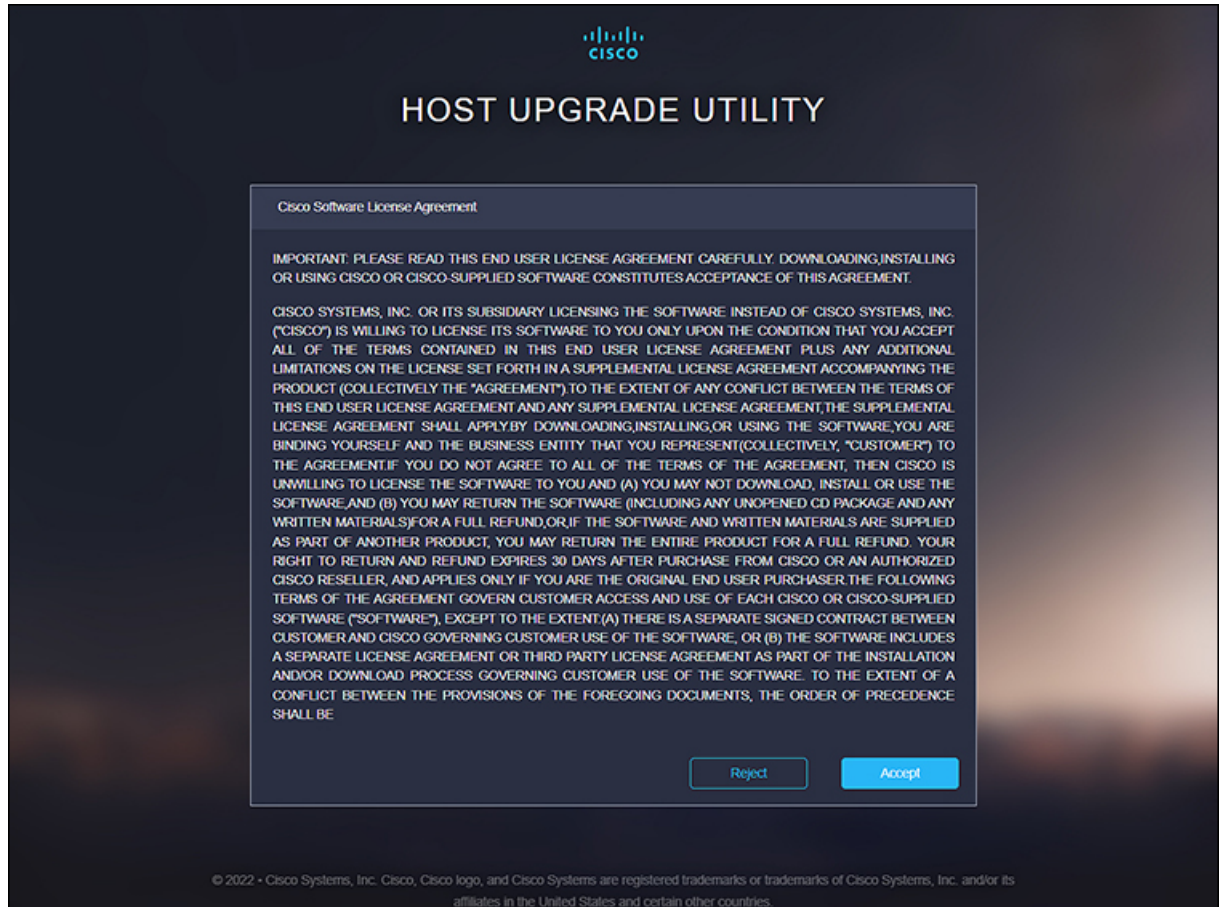
HUU provides a user interface where you can choose the firmware components that need an upgrade. Beginning with release 4.2, HUU user interface is updated with new options. Cisco recommends you to use this guide to familiarize yourself with the new interface.

For information about the components supported and their firmware versions for various servers in a release, see the [Firmware Version Listing and Internal Dependencies for Cisco IMC Releases](#).

### License Agreement

Whenever HUU boots, the first interface that appears is the **Welcome Screen** and then the **End User License Agreement**. Click **Accept** to agree to this license.

Figure 1: License Agreement



## HUU Graphical User Interface

This section provides a brief introduction to the GUI elements in the various sections of the HUU user interface.

Figure 2: HUU User Interface

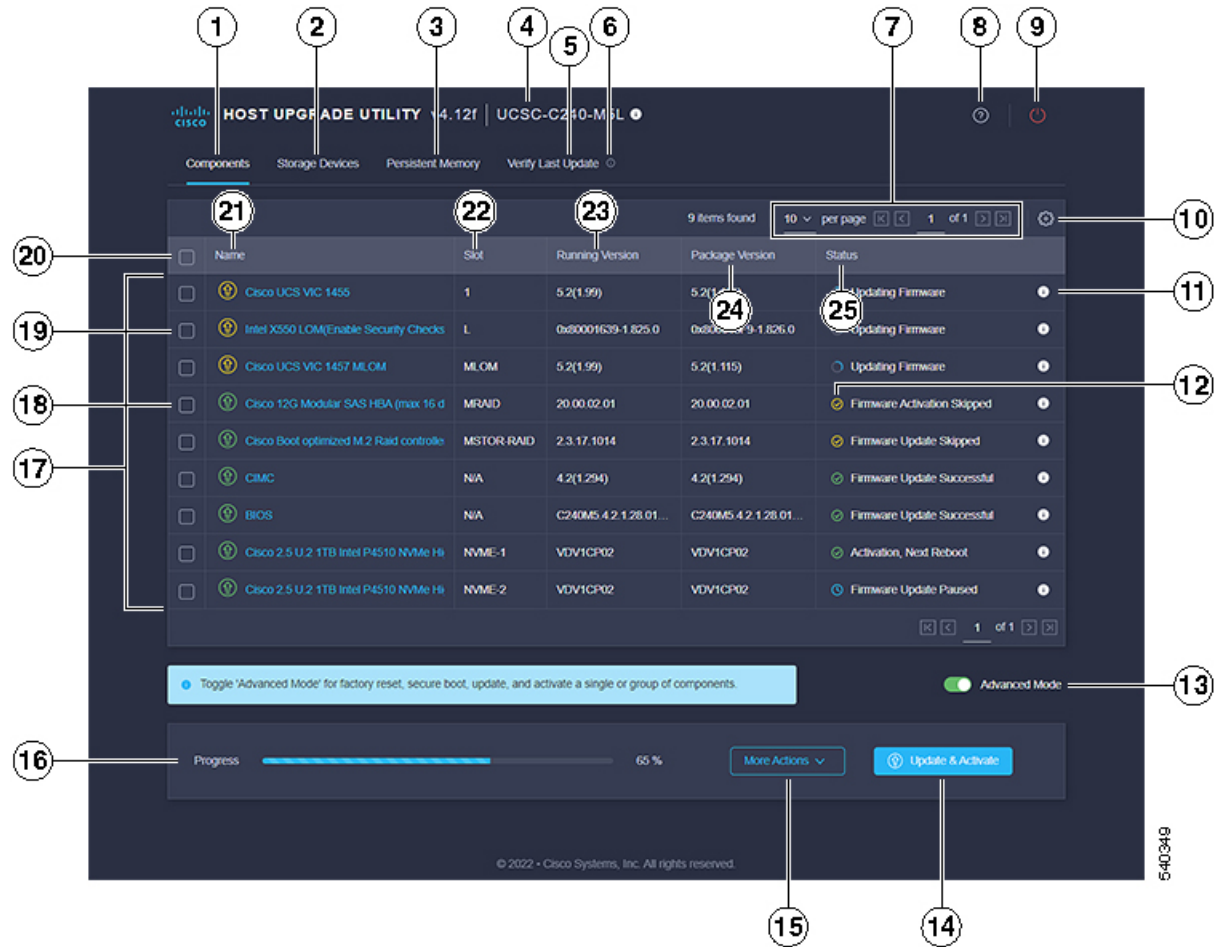


Table 1: HUU User Interface

	GUI Element	Description
1	Components Tab	Lists all the server components for upgrade or downgrade. You can update the firmware of all components or specific components on this list.  <b>Note</b> If you choose to update the firmware of specific components, you must update the Cisco IMC, CMC and BIOS to the same version.

	GUI Element	Description
2	<b>Storage Devices Tab</b>	<p>Lists all the external storage drives (HDDs) available on the server. You can choose to upgrade or downgrade the firmware of all the storage drives or specific drives available on this server.</p> <p><b>Note</b> Cisco recommends you to take a backup before upgrading or downgrading the firmware. Cisco is not responsible for any data loss due to firmware upgrade or downgrade.</p>
<p><b>Note</b> For information about the components supported and their firmware versions for various servers in a release, see the <a href="#">Firmware Version Listing and Internal Dependencies for Cisco IMC Releases</a>.</p>		
3	<b>Persistent Memory Tab</b>	<p>Lists all the external Persistent Memory available on the server. You can choose to upgrade or downgrade the firmware of all or specific memories available on this server.</p> <p><b>Note</b> Cisco recommends you to take a backup before upgrading or downgrading the firmware. Cisco is not responsible for any data loss due to firmware upgrade or downgrade.</p>
4	<b>Server Info</b>	<p>Provides the name of the server. Hover the cursor over the icon to view the following information about the server:</p> <ul style="list-style-type: none"> <li>• Host Name</li> <li>• System Type</li> <li>• Model</li> <li>• Serial Number</li> <li>• Manufacturer</li> <li>• UUID</li> </ul>

	GUI Element	Description
5	<b>Verify Last Update</b> Tab	Provides information about firmware update status of the components after the last HUU boot. To verify the firmware update status, reboot again to same HUU image.
6	<b>Verify Last Update</b> info icon	Hover the cursor to view help text.
7	<b>Table Setting</b> options	You can use the drop list to set the number of components listed in the table per page. You can also use the forward and backward buttons to navigate through the table.
8	<b>HUU Help</b> icon	Displays the following options: <ul style="list-style-type: none"> <li>• Site Tour—Provides a guided tour of the application to show the main features and help you understand the GUI.</li> <li>• Help—Displays the online help page for HUU.</li> <li>• About—Displays a brief description of HUU along with the HUU version.</li> </ul>
9	<b>Server Power Cycle</b> icon	You can use this to recycle the server. You can also recycle the server using the power cycle option in KVM console. <p><b>Note</b> Server may power cycle multiple times to activate firmware. Do not interrupt power cycle. Once power cycle is complete, boot menu is displayed.</p>

	<b>GUI Element</b>	<b>Description</b>
10	<b>Table Setting</b> icon	

	GUI Element	Description
		<p>Use this option to edit the table view.</p> <p>Following options are available in <b>Components</b> tab:</p> <ul style="list-style-type: none"> <li>• Name</li> <li>• Product ID</li> <li>• Vendor</li> <li>• Slot</li> <li>• Running Version</li> <li>• Package Version</li> <li>• Status</li> </ul> <p>Following options are available in <b>Storage Devices</b> tab:</p> <ul style="list-style-type: none"> <li>• Name</li> <li>• Product ID</li> <li>• Vendor</li> <li>• Enclosure</li> <li>• Drive Type</li> <li>• Model Number</li> <li>• Serial Number</li> <li>• Controller Name</li> <li>• Controller Set</li> <li>• Slot</li> <li>• Running Version</li> <li>• Package Version</li> <li>• Status</li> </ul> <p>Following options are available in <b>Persistent Memory</b> tab:</p> <p><b>Note</b>     <b>Persistent Memory</b> tab is applicable only for few servers.</p> <ul style="list-style-type: none"> <li>• Name</li> <li>• Product ID</li> </ul>

	GUI Element	Description
		<ul style="list-style-type: none"> <li>• Vendor</li> <li>• Enclosure</li> <li>• Drive Type</li> <li>• Model Number</li> <li>• Serial Number</li> <li>• Controller Name</li> <li>• Controller Set</li> <li>• Slot</li> <li>• Running Version</li> <li>• Package Version</li> <li>• Status</li> </ul>
11	<b>Component Firmware Upgrade Status</b> info icon	Provides all the information about the update status.
12	<b>Component Firmware Upgrade Status</b> icon	Provides the current firmware update status of the component. This can be one of the following: <ul style="list-style-type: none"> <li>• Green—Firmware update successful.</li> <li>• Red—Firmware update fail.</li> <li>• Yellow—Firmware update skipped.</li> </ul>
13	<b>Advanced Mode</b> Toggle button	Allows you the following options: <ul style="list-style-type: none"> <li>• Update or Activate individual components or drives through <b>More Actions</b> drop-down list. If you do not select any component, this action updates all the components together.</li> <li>• Perform a Factory Reset through <b>More Actions</b> drop-down list.</li> </ul>



	GUI Element	Description
14	<b>Update and Activate</b> button	<p>When <b>Advanced Mode</b> is off:</p> <ul style="list-style-type: none"> <li>• Allows you to update and activate all components/drives with single click.</li> </ul> <p>When <b>Advanced Mode</b> is on:</p> <ul style="list-style-type: none"> <li>• Allows you to either update and activate all components/drives with single click.</li> <li>• Or, allows to you update and activate selected components/drives with single click.</li> </ul>
15	<b>More Actions</b> drop-down list	<p><b>Note</b> <b>More Actions</b> drop-down list is available only when <b>Advanced Mode</b> is on.</p> <p>Following drop-down options are available:</p> <ul style="list-style-type: none"> <li>• When no components/drives are selected, allows you to update or activate all components/drives.</li> <li>• When one or more components/drives are selected, allows to you update or activate selected components/drives.</li> <li>• Perform a Factory Reset.</li> <li>• Allows you to enable secure boot in Cisco UCC S3260 M5 servers.</li> </ul>
16	<b>Progress</b> bar	Shows firmware update or activation status in percentage.

	GUI Element	Description
17	List of components or drives	Under <b>Components</b> tab, list of components available in the server are displayed.  Under <b>Storage Drives</b> tab, list of drives available in the server are displayed.
18	<b>Component</b> checkbox	<b>Note</b> Checkbox is available only when <b>Advanced Mode</b> is on.  Allows you to select individual component/drive.
19	<b>Firmware information</b> icon	Firmware information is color coded: <ul style="list-style-type: none"> <li>• Green—Firmware is up to date for the component/drive.</li> <li>• Yellow—updated firmware is available for the component/drive.</li> </ul>
20	<b>Select All</b> checkbox	<b>Note</b> Checkbox is available only when <b>Advanced Mode</b> is on.  Allows you to select all the components/drives listed on the page.
21	<b>Name</b> column	Displays the name of the component.
22	<b>Slot</b> column	Displays the slot on the server for the component.
23	<b>Running Version</b> column	Current version of the firmware.
24	<b>Package Version</b> column	Updated version available for upgrade.
25	<b>Status</b> column	Displays the firmware update status.

	GUI Element	Description
26 (not shown in the image)	<b>Enclosure</b> column	<b>Note</b> This column is available only under <b>Storage Devices</b> tab.  Displays the enclosure number of the storage device.
27 (not shown in the image)	<b>Bank Label</b> column	<b>Note</b> This column is available only under <b>Persistent Memory</b> tab.  Displays the node and DIMM channel of the persistent memory.

