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 the firmware on a Cisco UCS C-Series server. HUU includes an option that enables you to download a container for a selected platform on a Windows operating system. You can download the container from the HUU ISO by burning the ISO on a physical media. When you insert the physical media into the server, auto-run launches an Index.html page in your browser. This index.html page provides access to the location from where you can download the container. You also can download the container from the ISO using the standard ISO extraction utilities.

HUU provides a user interface where you can choose the firmware components that need an upgrade. In the previous releases (1.4(x)), HUU provided a text menu from which you could choose the components and initiate the upgrade. From version 1.5(x) onwards, HUU provides a graphical user interface to perform an upgrade.

You can upgrade the firmware on the following components using HUU:

- Cisco Integrated Management Controller (Cisco IMC)
- System BIOS
- LAN on motherboard (LOM)
    - Intel Ethernet i350 PCI Server Adapter
- RAID controllers
- Cisco UCS VIC 1225
- Cisco UCS VIC 1225-T
- Cisco UCS VIC 1285

- Broadcom PCI adapters:
  - 5709 Dual and Quad port adapters
  - 57712 Dual port adapter SFP+
  - 57712 Dual port adapter 10GBaseT
  - 57810 Dual Port adapter
- Intel PCI adapters:
  - i350 Quad port adapter
  - X520 Dual port adapter
  - X540 Dual port adapter
- QLogic PCI adapters:
  - 2462 dual port adapter
  - 2562 dual port adapter
  - 2672 dual port adapter
  - 8242 dual port 10 Gbps adapter
  - 8362 dual port adapter
- Emulex PCI adapters:
  - LightPulse LPe11002 adapter
  - LightPulse LPe12002 adapter
  - LightPulse LPe16002 adapter
  - OneConnect® OCe11102 dual-port adapter
  - OneConnect® OCe14102 dual-port adapter
- LSI
  - Cisco UCSC RAID SAS 2008M
  - LSI MegaRAID SAS 9220-4i
  - LSI MegaRAID SAS 9220-8i
  - LSI MegaRAID SAS 9240-8i
  - LSI MegaRAID SAS 9265CV-8i
  - LSI MegaRAID SAS 9270CV-8i
  - LSI MegaRAID SAS 9286CV-8e
  - LSI MegaRAID SAS 8110-4i
  - LSI MegaRAID SAS 9266-8i
  - LSI MegaRAID SAS 9266CV-8i

- LSI MegaRAID SAS 9271CV-8i
- LSI MegaRAID SAS 9285CV-8e

- Hard Disk Drives
  - ST9300653SS
  - ST9146853SS
  - ST1000NM0001
  - ST2000NM0001
  - ST500NM0011
  - AL13SEB300
  - AL13SEB600
  - AL13SEB900

- Fusion-io
  - Fusion-io ioDrive2 1205G
  - Fusion-io ioDrive2 3000G
  - Fusion-io ioDrive2 365G
  - Fusion-io ioDrive2 785G

- Nvidia
  - Nvidia GRID K1
  - Nvidia TESLA K10
  - Nvidia GRID K2
  - Nvidia TESLA K20m
  - Nvidia TESLA K20xm
  - Nvidia GRID K40

Note

- This is the list of all the components supported by various servers. While upgrading firmware for a particular server, HUU discovers and displays only the components supported by that server.

For updated information on the components supported by various servers, see the *Release Notes for Cisco UCS C-Series Software, Release 2.0(x)* available at the following location:

For information about upgrading the firmware on C-Series servers using non-interactive HUU, see the *Cisco UCS Rack-Mount Servers Cisco IMC XML API Programmer Guide*.

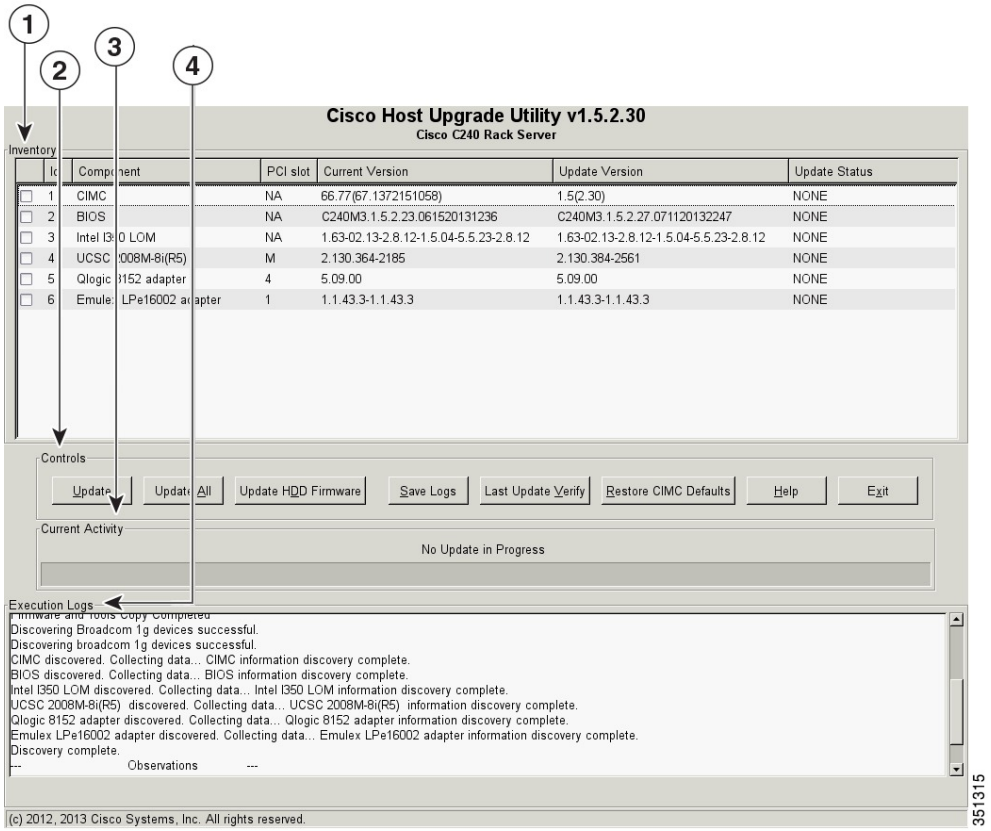
License Agreement

After the HUU boots, the first interface that appears is the End User License Agreement. Choose **I Agree** to agree to this license.

Understanding the HUU User Interface

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

Figure 1: HUU User Interface



UI element	Description
1. Inventory section	
Id	Displays the serial number of the rows of the components.
Component	Displays the list of components of a server.
PCI Slot	Display the PCI slot information for the PCI adapter components.

UI element	Description
Current Version	Displays the current version of the firmware for each of the listed components.
Update Version	Displays the version of the firmware that is available for upgrade.
Update Status	Displays the status of the update for each element in the list while an update is in progress.
2. Controls section	
Update	This button is used to initiate the firmware update for the selected components.
Update All	This button is used to initiate the firmware update of all the available components for a server.
Update HDD Firmware	This button is used to initiate firmware update on specific hard drives that support new firmware.
Save Logs	This button is used to save the log files that contain a detailed status of the update to an external USB device connected to the server physically or through the KVM vMedia. When an error occurs during an update, you are prompted to save the logs. The Save Logs feature is useful for troubleshooting.
Last Update Verify	This button is used to compare the previously updated firmware version for each component that was updated using the HUU with the current version of the firmware on the components.
Restore CIMC Defaults	This button is used to restore the CIMC settings to factory defaults.
3. Current Activity section	This section indicates the status of an update.
4. Execution Logs section	This section provides a detailed log of the various activities and their status while an update is in progress.