

# Cisco Firmware Update CD Version 2.9.1 - HP Servers

## FWUCD-2.9.1-H.iso README

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### Overview / Applicable Servers

The Cisco Firmware Update CD contains a collection of critical firmware updates for Cisco MCS Servers. This CD is deployed so as to give Cisco the ability to release offline-only updates as well as give customers the ability to perform out-of-cycle critical updates.

## Cisco Servers supported by this ISO image

This release of FWUCD supports following MCS servers:

- MCS-7816-H3 (DL320-G5)
- MCS-7825-H3 (DL320-G5)
- MCS-7825-H4 (DL320-G5p)
- MCS-7828-H3 (DL320-G5)
- MCS-7835-H2 (DL380-G5)
- MCS-7845-H2 (DL380-G5)
- Cisco Approved Configuration DL380-G6

## Cisco Servers supported by earlier versions of FWUCD

### FWUCD version 2.8(1)-H list of servers:

Same as this release.

### FWUCD version 2.7(1)-H list of servers:

- MCS-7825-H2 (DL320-G4)
- MCS-7835-H1 (DL380-G4)
- MCS-7845-H1 (DL380-G4)

### FWUCD version 2.5(1)-H list of servers:

- MCS-7835 H2.4 (DL380-G2)
- MCS-7845 H2.4 (DL380-G2)
- MCS-7835 H3.0 (DL380-G3)
- MCS-7845 H3.0 (DL380-G3)

## Notes

- Note: If you are using a BE3k or equivalent server, please reference the current FWUCD-x.x.x-C readme file.
- Note: If you are using an IBM or IBM equivalent server, please reference the current FWUCD-x.x.x-I readme file.
- Note: Firmware operates at the hardware level and therefore applies to server independent of underlying software stacks/deployments.

## Resolved Caveats

The FWUCD is intended to be a cumulative update. Updates included in the prior releases of the FWUCD should also be contained in the latest release. Unless otherwise noted, please use the latest version of the FWUCD.

The below chart lists the current and previous resolutions the FWUCD addresses:

Version	Defect	Firmware Version	Description
2.9(1)	CSCua05017	Various – See <i>HDD Firmware Table</i> below	HDD Critical firmware update to address HP advisory c03306319
2.9(1)	CSCua05028	9D	CPLD Critical firmware update to address HP advisory c01955503

Version	Defect	Firmware Version	Description
2.9(1)	CSCtz91677	2011.05.05	Critical BIOS Ver 2011.05.05 update HP ProLiant DL380 G6
2.9(1)	CSCtx84706	Various – See <i>HDD Firmware Table</i> below	Critical Firmware Update for HDD Model EG0300FBLSE on 7845/35-H2 or DL380G6
2.9(1)	CSCtx84650	HPD3	HDD is marked failed on 784535/H2 or DL380G6 servers
2.8(1)	CSCtq83781	2.05	Critical Update 7816-H3, 7825-H3, 7828-H3, 7825-H4, 7835-H2, 7845-H2, and DL380-G6; iLO2 FW
2.8(1)	CSCto43069	1.82	Provide compatible iLO2 firmware for DL380-G6 running CUCM 6.1(5)
2.8(1)	CSCtq83824	Various – See <i>HDD Firmware Table</i> below	HDD FW Critical Update
2.8(1)	CSCto43121	2011.01.30	Critical Update Cisco Approved Configuration HP DL380-G6; BIOS FW (Obsoleted by CSCtz91677 in 2.9(1) release)
2.8(1)	CSCtq83877	Various – See <i>Firmware Table</i> below	Firmware sync with HP FW DVD 9.3
2.7(1)	CSCtk01058	3.52	Critical Update Cisco Approved Configuration HP DL380-G6; RAID FW (Obsoleted by CSCtq83877 in 2.8(1) release)
2.7(1)	CSCtk01050	7.22	Critical Update 7835/45-H2 RAID Controller FW update required
2.7(1)	CSCtj23792	HPD4	Critical Update 7835-H2 and 7845-H2; SAS HDD FW
2.6(1)	CSCth60876	7.18	Critical Update 7835-H2 and 7845-H2; RAID FW (Obsoleted by CSCtk01050 in 2.7(1) release)
2.6(1)	CSCth60901	3.30	Critical Update Cisco Approved Configuration HP DL380-G6; RAID FW (Obsoleted by CSCtk01058 in 2.7(1) release)
2.6(1)	CSCth79412	2.00	Critical Update 7816-H3, 7825-H3, 7825-H4, 7835-H2 and 7845-H2; iLO2 FW (Obsoleted by CSCtq83781 in 2.8(1) release)
2.6(1)	CSCth79406	HPDD	Update 7835-H2, 7845-H2 and Cisco Supported Configuration HP DL380-G6; HDD FW

Version	Defect	Firmware Version	Description
2.5(1)	CSCtg79463	HPD3	Critical Update 7835-H2, 7845-H2 and Cisco Supported Configuration HP DL380-G6; HDD FW
2.5(1)	CSCtg73867	1.86	Critical Update 7825-H4; RAID FW
2.5(1)	CSCtg68904	HPG8	Critical Update 7828-H3 and 7825-H4; HDD FW
2.5(1)	CSCtg50413	1.82	Critical Update 7816-H3, 7825-H3, 7825-H4, 7835-H2 and 7845-H2; iLO2 FW (Obsoleted by CSCth79412 in 2.6(1) release)
2.5(1)	CSCtg68158	2010.03.30	Critical Update Cisco Approved Configuration HP DL380-G6; BIOS FW (Obsoleted by CSCto43121in 2.8(1) release)
2.4(1)	CSCtd75958	7.08	Critical Update 7835-H2 and 7845-H2; RAID FW (Obsoleted by CSCth60876 in 2.6(1) release)
2.4(1)	CSCtd75967	2.72	Critical Update Cisco Approved Configuration HP DL380-G6; RAID FW (Obsoleted by CSCth60901 in 2.6(1) release)
2.3(1)	CSCsv62579	1.94	Critical Update 7835H-2.4, 7835H-3.0, 7845H-2.4, 7845H-3.0, 7835-H1 and 7845-H1; iLO FW (Server Support Discontinued in 2.6(1) release)
2.2(1)	CSCsw88653	HPG6	Critical Update 7825-H4 and 7828-H4; FW Sata HDD FW
2.2(1)	CSCsv62579	Multiple	Critical Update 7835-1266, 7835H-2.4, 7845H-1400, 7845H-2.4, 7845H-3.0, 7835H-3.0, 7835-H1 and 7845-H1; RAID FW (Server Support Discontinued in 2.6(1) release)
2.2(1)	CSCsx00907	Multiple	Critical Update 7816-H3, 7825-H2, 7825-H3; BIOS FW
2.2(1)	CSCsx01529	2008.08.03	Critical Update 7835-H2 and 7845-H2; BIOS FW (Obsoleted by CSCtg68158 in 2.5(1) release)
2.1(1)	CSCse71185 CSCse71295 CSCso98836 CSCsj58962	Multiple	Critical Update 7835-1266, 7835H-2.4, 7835H-3.0, 7845H-1400, 7845H-2.4, 7845H-3.0, 7845-H1 and 7835-H1; SCSI HDD FW (Server Support Discontinued in 2.6(1) release)

Version	Defect	Firmware Version	Description
2.1(1)	CSCsq66933	5.20	Critical Update 7835-H2 and 7845-H2; RAID FW (Obsoleted by CSCtd75958 in 2.4(1) release)
2.1(1)	CSCsq17834	HPDA	Critical Update 7835-H2 and 7845-H2; SAS HDD FW
1.1(1)	CSCsl04537	HPDA	Critical Update 7835-H2 and 7845-H2; SAS HDD FW

For additional details please reference the above identifiers (CSCaaNNNNN) in the Cisco Bug Toolkit: <http://www.cisco.com/go/bugs>

## Obtaining Firmware Versions

The following section includes instructions on how to identify current firmware versions and to determine whether or not the updates are applicable. Please use one of the following options.

### Using FWUCD for Automatic Detection

Use the Firmware Update CD by following steps in the Installation section. The FWUCD will check the system and determine if the updates are applicable.

### Cisco Unified Communications Manager (Windows Based)

#### For Drive firmware on an Array Controller:

1. Open Start -> Programs -> HP System Tools -> HP Array Diagnostic Utility.
2. The ADU will list all installed hard drive model numbers and firmware levels.
3. Verify that the affected component is at a level equal to or higher than the version listed in the *HDD Firmware Tables* below.
4. Please use the FWUCD to perform the update if needed.

#### For all other firmware:

1. Open Start -> Programs -> HP Management Agents -> HP System Management Homepage Diagnostic.
2. Select HP Version Control Agent option.
3. Verify that the affected component is at a level equal to or higher than the version listed in the *Firmware Reference Tables* below.
4. (Note: For releases lower than 2003.1.5, the System Management Homepage service must be manually started for this to be used.)
5. Please use the FWUCD to perform the update if needed.

### Cisco Unified Communications Manager (Linux Based)

1. Log into the CLI and run the command "utils create report hardware"
2. A SystemReport file gets generated. For example:

```
admin:utils create report hardware
*** WARNING ***
```

This process can take several minutes as the disk array, remote console, system diagnostics and environmental systems are probed for their current values.

Continue (y/n)?y

HP detected - collecting system information...Done

The hardware report files are:

4194PBQ\_KQWAKYR\_20100930-161716.txt

HardwareReportConsoleOutput\_20100930041712.txt

3. To retrieve the hardware report files, use CLI command “file get activelog platform/log/<filename>”, where <filename> is the name of the file as listed above.
4. Using the above as an example, to push the file to an SFTP server, run the CLI command indicated in the report. In the example above, the command is:  
admin:file get activelog platform/log/SystemReport-4194PBQ\_KQWAKYR\_20100930-161716.txt
5. Open the SystemReport file and check the component and firmware strings for your server.
6. Scroll down to your servers section in *Firmware Reference Tables* below.
7. If the component has a match the AND the firmware version is below the associated version listed in the table, the server is impacted by the advisory.
8. Please use the FWUCD to perform the update if needed.

## Usage Instructions

### Updating the Firmware

The FWUCD will detect if your server has installed hardware that requires Any firmware updates. If either the vendor of the host system or the server models are unsupported by the current version of the FWUCD, then the CD reports an appropriate message.

### Update Instructions

- a) Verify MD5 of the downloaded ISO with the numbers posted on [www.cisco.com](http://www.cisco.com) for the particular FWUCD ISO release.
- b) Burn the ISO to a DVD Media and verify
- c) Boot the server with FWUCD media
- d) Wait for the DVD to load
- e) Select the continue button
- f) Accept the license agreement
- g) Select the “Firmware Updates tab”
- h) Click on “Install Firmware” option link
- i) Wait for the hardware detection process to complete, at which point the available updates will be displayed
- j) Select the updates that you wish to deploy
- k) Verify that the firmware update you would like to deploy are selected
- l) Select the “Update” option
- m) Wait for the updates to complete, and verify that the updates were successful

n) Exit out from each screen until reboot message appears

### Other Instructions / Notes / Troubleshooting

- These firmware updates must be reapplied after any hardware RMA, replacement, or exchange of the affected components. This firmware update is tested by Cisco and may supersede minimum versions bundled with other software stacks.
- During the exit of the FWUCD the user can see pages of multiple, illegible control characters. This is normal.

## Firmware Reference Tables

### 7816/25/28-H3 (DL320-G5)

Component	Firmware Version
BIOS	06/10/2008
iLO2	2.05
NIC (NC324i)	Bootcode: 3.25

### 7825-H4 (DL320-G5p)

Component	Firmware Version
RAID	1.86
BIOS	2010.10.25
iLO2	2.05
NIC (NC326i)	Bootcode: 3.29 UMP: 1.23

### 7835/45-H2 (DL380-G5)

Component	Firmware Version
BIOS	2010.10.25
Power Management Controller	3.4
RAID	7.22
iLO2	2.05
NIC (NC373i)	Bootcode: 1.96 UMP: 1.18

### Cisco Approved DL380-G6 Configuration

Component	Firmware Version
BIOS	2011.05.05
Power Management Controller	2.9
iLO2	2.05 (1.82 also proved for 6.1(5) compatibility. See <i>Important Firmware Note</i> below)

RAID	3.66
NIC (NC382i)	Bootcode: 5.2.3 UMP: 4.2.10
CPLD	9D

### HDD Firmware Tables

#### 7816/25/28-H3 (DL320-G5)

Component	Firmware Version
ST3160812AS	AJL (See Important Firmware Note 1 below)
GB0250C8045	HPGC (See Important Firmware Note 1 below)
GB0250EAFJF	HPG6 (See Important Firmware Note 1 below)

#### 7825-H4 (DL320-G5p)

Component	Firmware Version
MB0500EAMZD	HPG3
GB0250C8045, GB0500C8046	HPGC
GB0250EAFJF, GB0500EAFJH	HPG6

#### 7835/45-H2 (DL380-G5), Cisco Approved DL380-G6 Configuration

Component	Firmware Version
DG0146BAQPP, DG0300BAQPQ	HPG8
EG0146FAWHU, EG0300FAWHV, DG0146FAMWL and DG0300FAMWN	HPDE
DG0072BALVL, DG0146BALVN, DG0146BAHZP, DG0300BALVP, and DG0300BAHZQ	HPD4
EG0300FARTT, EG0146FARTR	HPD9
DG0146FARVU, DG0300FARVV, DG0146BAMYQ, DG0300BAMYR, EG0146FAWJC, and EG0300FAWJD	HPDD
DG072ABAB3, DG072BB975, DG146ABAB4, and DG146BB976	HPDE



DG072A4951, DG072BAAJA, DG146BAAJB, and DG146A4960	HPDB
EG0300FBDBR, EG0450FBDBT, and EG0600FBDBU	HPD7
EG0300FBLSE, EG0450FBLSF, EG0600FBLSH, and EG0900FBLSK	HPD4

## Important Firmware Notes

1. 7825/28-H3 HDD firmware can be updated only after CUCM 8.6(1) and higher. This is due to the onboard Array Controller being disabled after this release, which allows HDD firmware updates from the Firmware Update CD. For critical updates on GB0250C8045 and GB0250EAFJF drives prior to 8.6(1), use the standalone 7828H3 Hard Disk Firmware Update (7828h3-hddfupdate-v11.iso).
2. iLO2 version 1.82 provided for compatibility with the Cisco Approved Configuration DL380-G6 hardware running 6.1(5) only. If you are running 7.x and higher on the DL380-G6, then apply the latest available iLO2 firmware.

## Trademarks and Notices

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## Disclaimer

Per Cisco's EOL policy, available at [http://www.cisco.com/en/US/products/products\\_end-of-life\\_policy.html](http://www.cisco.com/en/US/products/products_end-of-life_policy.html), the FWUCD has not been tested against any Application that is beyond the End of SW Maintenance date. The user assumes all risk if the upgrades contained in the FWUCD are installed on a server that is running Applications that are beyond the End of SW Maintenance date.

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