

Firmware Update SOP for BIOS and BMC

RB23824 N4/N8

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1 History

Revision	Author	Description
0.1	Andrew Huang	Initial release

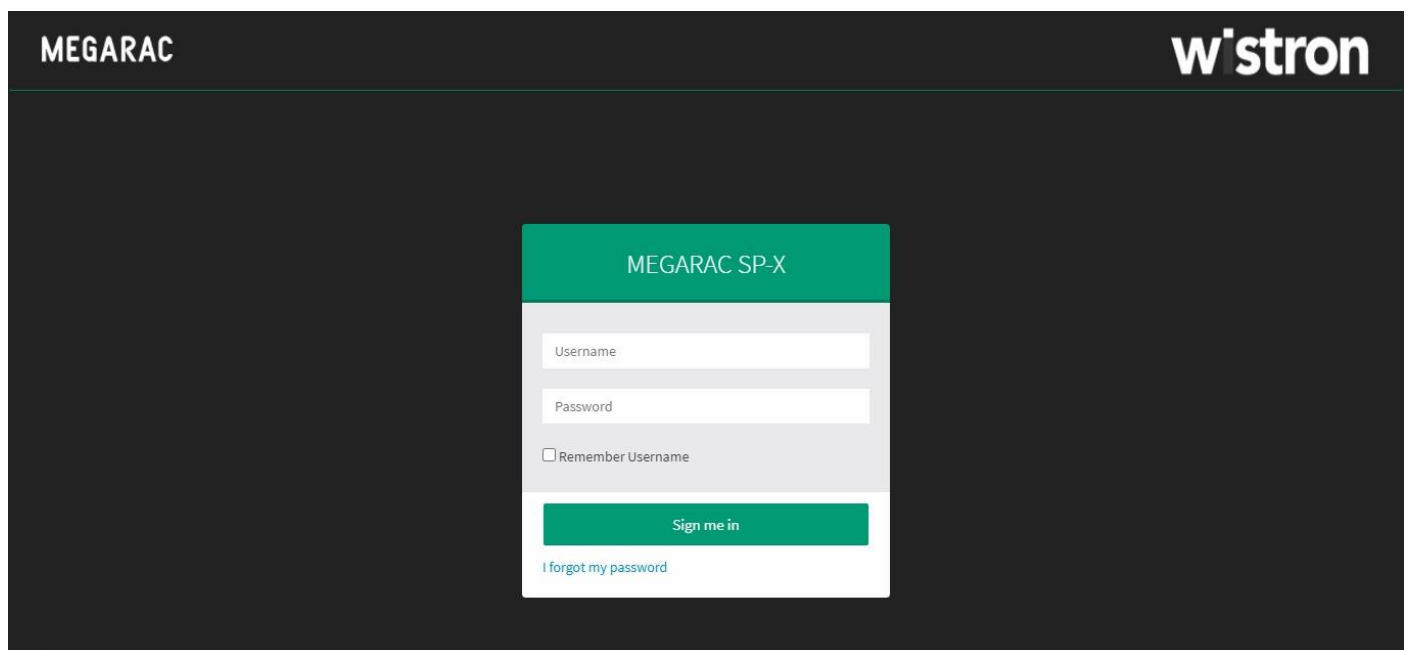
2 Logging in to BMC Web

The following 2 updates are via the BMC web.

- BMC Firmware Update.
- BIOS (or CPLD) Firmware Update. → Update BIOS Firmware need to install CPU, RAM component.

In order to login the IPMI, you must have a valid Username and a Password. Both fields are required.

The default username and password are both “**admin**”.



3 BMC Firmware Update

To open Firmware Update page, click **Maintenance > Firmware Update** from the menu bar. A sample screenshot of Firmware Update Page is shown below.

Firmware Update

The protocol information to be used for firmware image transfer during this update is as follows. To configure, choose 'Firmware Image Location' under Maintenance.

Protocol Type: HTTPS

☐ Preserve all Configuration. This will preserve all the configuration settings during the firmware update - irrespective of the individual items marked as preserve/overwrite in the table below.

All configuration items below will be preserved as default during the restore configuration operation. Click "Edit Preserve Configuration" to modify the Preserve status settings.

[Edit Preserve Configuration](#)

S.No	Preserve Configuration Item	Preserve Status
1	SDR	Overwrite
2	FRU	Overwrite
3	SEL	Overwrite
4	IPMI	Overwrite
5	NETWORK	Overwrite
6	NTP	Overwrite
7	SSH	Overwrite
8	KVM	Overwrite
9	AUTHENTICATION	Overwrite
10	SYSLOG	Overwrite
11	WEB	Overwrite
12	REDFISH	Overwrite

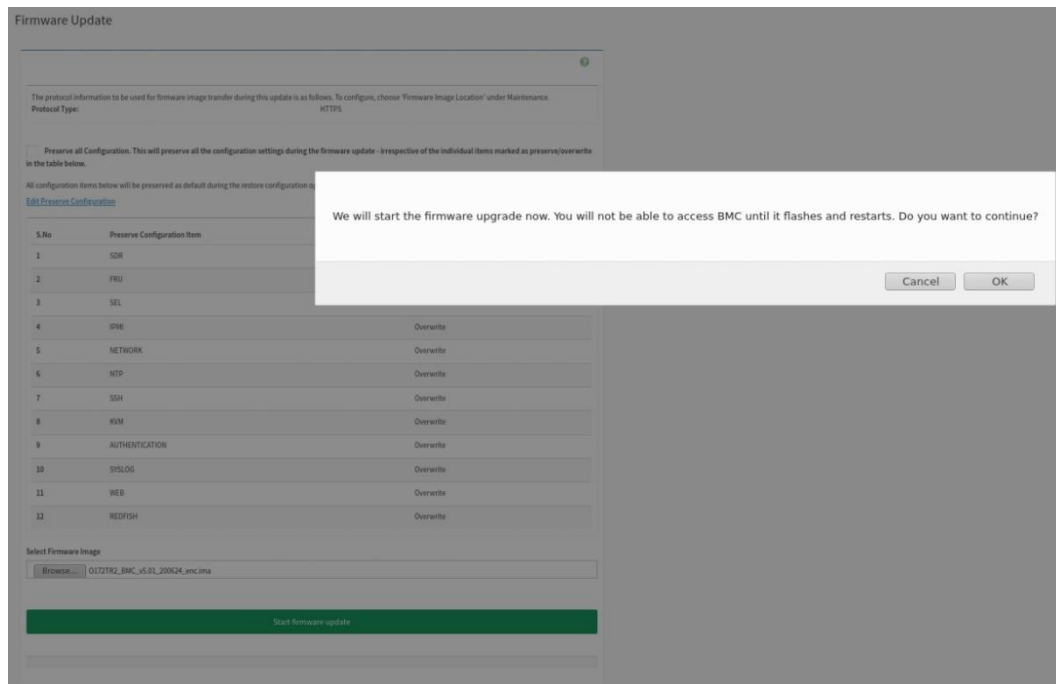
Select Firmware Image

No file selected.

Start firmware update

● Procedure

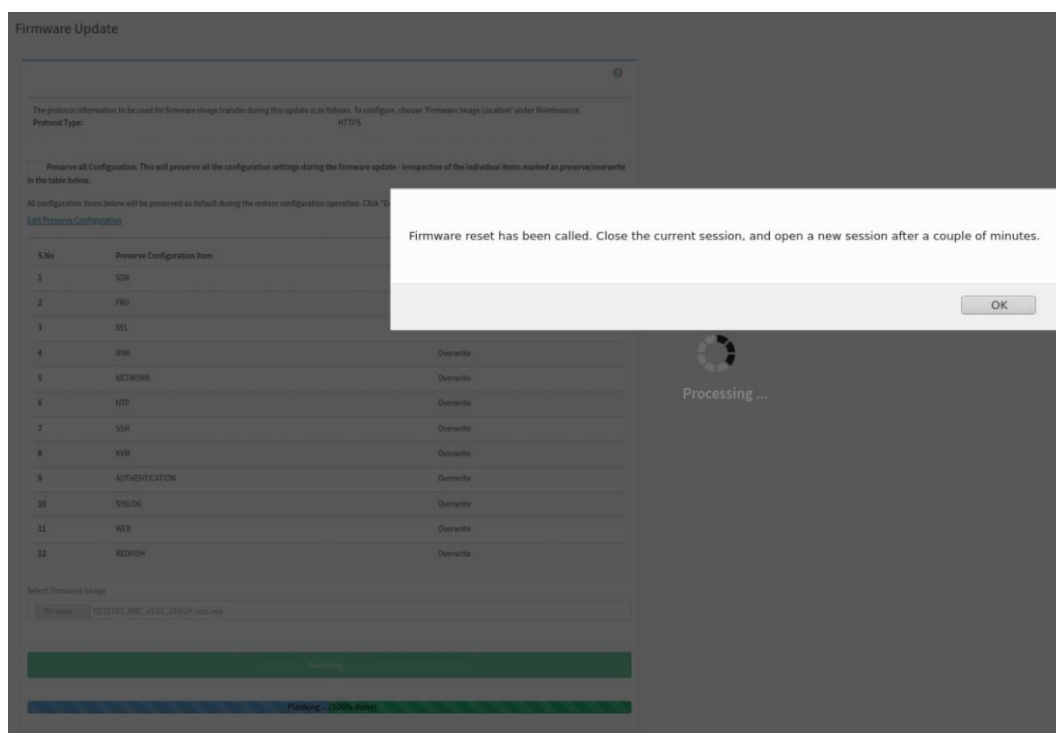
1. **Don't click** Preserve all Configuration to preserve all configuration.
2. Click Browse to select a firmware image. The Firmware Update undergoes the following steps:
 - a. Closing all active client requests
 - b. Preparing Device for Firmware Upgrade (Firmware file is **.ima**)
 - c. Uploading Firmware Image
 - d. Click **Start firmware update** to start the Firmware Update. A warning message will be prompted you to proceed further.
 - e. Click **OK** to start the Firmware Update. The sample screenshot is shown below.



f. Verifying Firmware Image

g. Flashing Firmware Image

h. Resetting the image. The sample screenshot of Firmware update is as shown below (BMC Firmware update is complete).



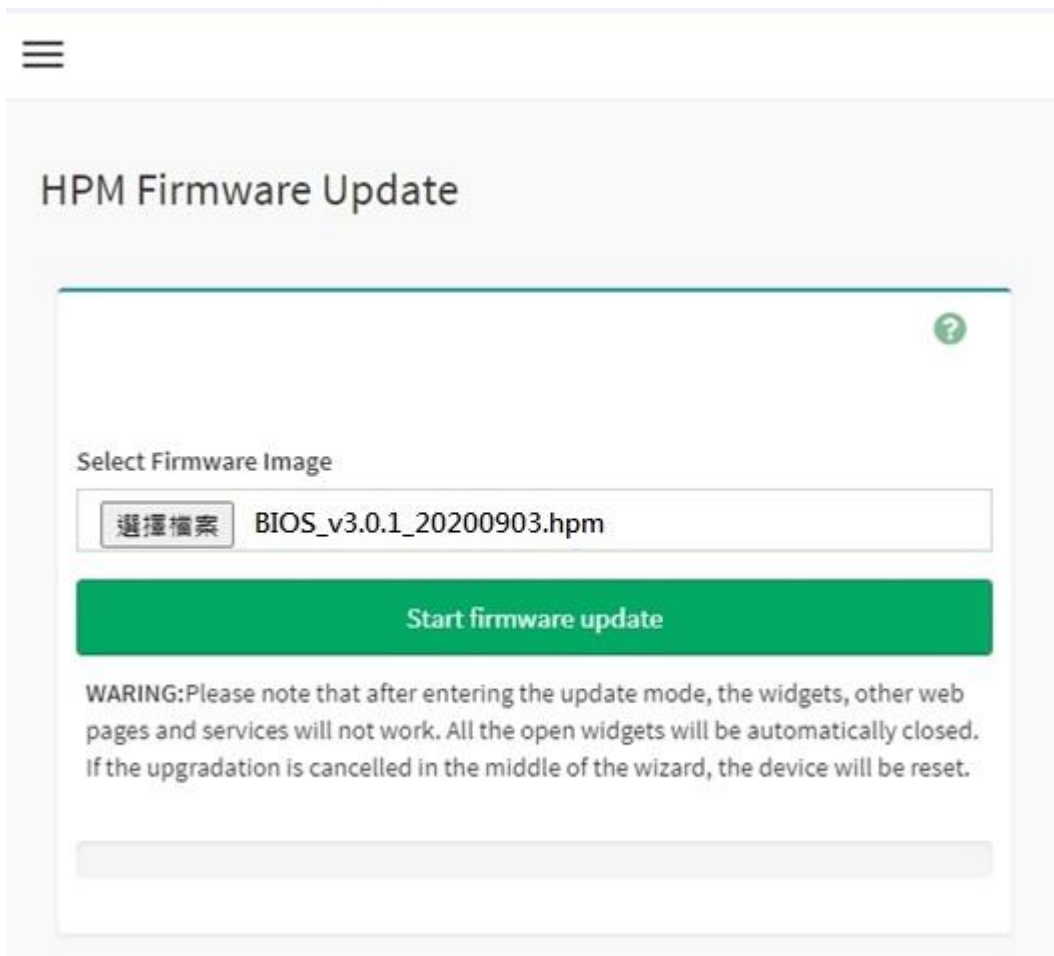
4 BIOS (or CPLD) Firmware Update

Execute BIOS (or CPLD) Firmware update chassis status should be power on.

To open Firmware Update page, click **Maintenance> HPM Firmware Update** from the menu bar.

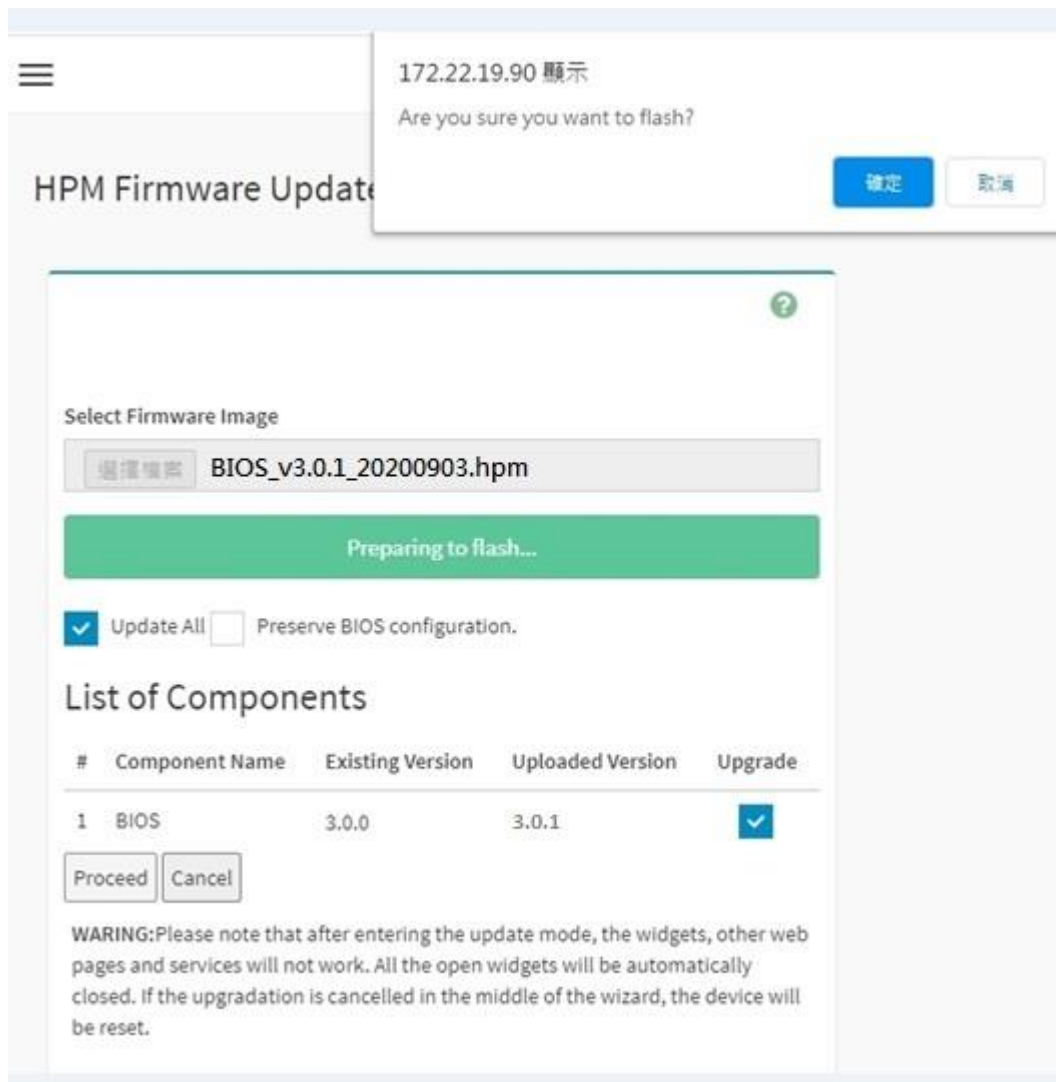
- Procedure

1. Power on Chassis
2. Click Browse to select a firmware image. The Firmware Update undergoes the following steps:
 - a. Closing all active client requests
 - b. Preparing Device for Firmware Upgrade (Firmware file is **.hpm**)
 - c. Click **Start firmware update**.



The screenshot shows the 'HPM Firmware Update' web interface. At the top, there is a hamburger menu icon. The main heading is 'HPM Firmware Update'. Below this, there is a section titled 'Select Firmware Image' with a green question mark icon in the top right corner. Under 'Select Firmware Image', there is a button labeled '選擇檔案' (Select File) and a text input field containing 'BIOS_v3.0.1_20200903.hpm'. Below the input field is a large green button labeled 'Start firmware update'. Underneath the button, there is a warning message: 'WARNING: Please note that after entering the update mode, the widgets, other web pages and services will not work. All the open widgets will be automatically closed. If the upgradation is cancelled in the middle of the wizard, the device will be reset.' At the bottom of the form, there is a light gray horizontal bar.

- d. Click **Proceed** to start the Firmware Update. A warning message will be prompted you to proceed further.




- e. Click **OK** to start the Firmware Update.
- f. Uploading Firmware Image
- g. Flashing Firmware Image
- h. Resetting the image. The sample screenshot of Firmware update is as shown below (CPLD Firmware update is complete).
- i. Please restart chassis (BIOS Firmware update is complete).



HPM Firmware Update



Select Firmware Image

 BIOS_v3.0.1_20200903.hpm

Updates completed... Resetting

☒ Update All ☐ Preserve BIOS configuration.

List of Components

#	Component Name	Existing Version	Uploaded Version	Upgrade	Progress
1	BIOS	3.0.0	3.0.1	<input checked="" type="checkbox"/>	Success!

WARNING:Please note that after entering the update mode, the widgets, other web pages and services will not work. All the open widgets will be automatically closed. If the upgradation is cancelled in the middle of the wizard, the device will be reset.