

# **ALTOS BIOS and BMC Firmware Upgrade Guide**

***BrainSphere T350 F5***



**Version 1.0**

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## Preface

1. Please visit the official Altos website and download the latest firmware update package for your system model.

Link : <https://www.altoscomputing.com/zh-TW/download>

<https://www.altoscomputing.com/en-US/download>

2. Please update your system firmware with caution, as incorrect firmware updates can lead to system damage.

## Chapter 1. Configure the BMC LAN IP address.

1. After the system boots, press the DEL key to enter BIOS Setup, select the **“Server Mgmt”** page, and enter **“BMC Network Configuration”** to set the BMC LAN IP. You can choose Static or DHCP according to your preference to configure the IP address.

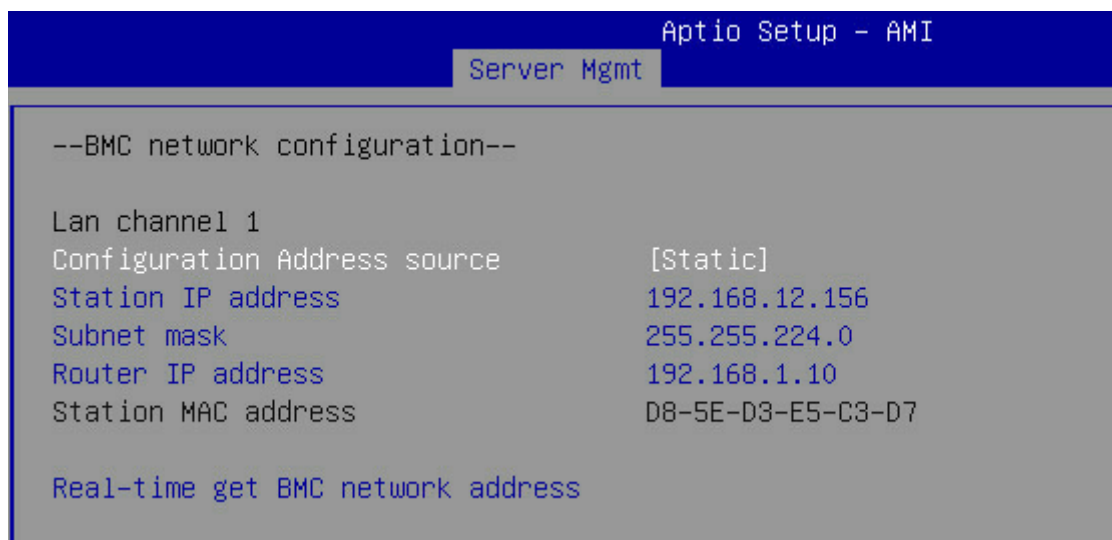


Figure 1.

2. According to your configuration, enter the IP in the browser to access the BMC Web UI.

**Default username: admin**

**Default password: password**

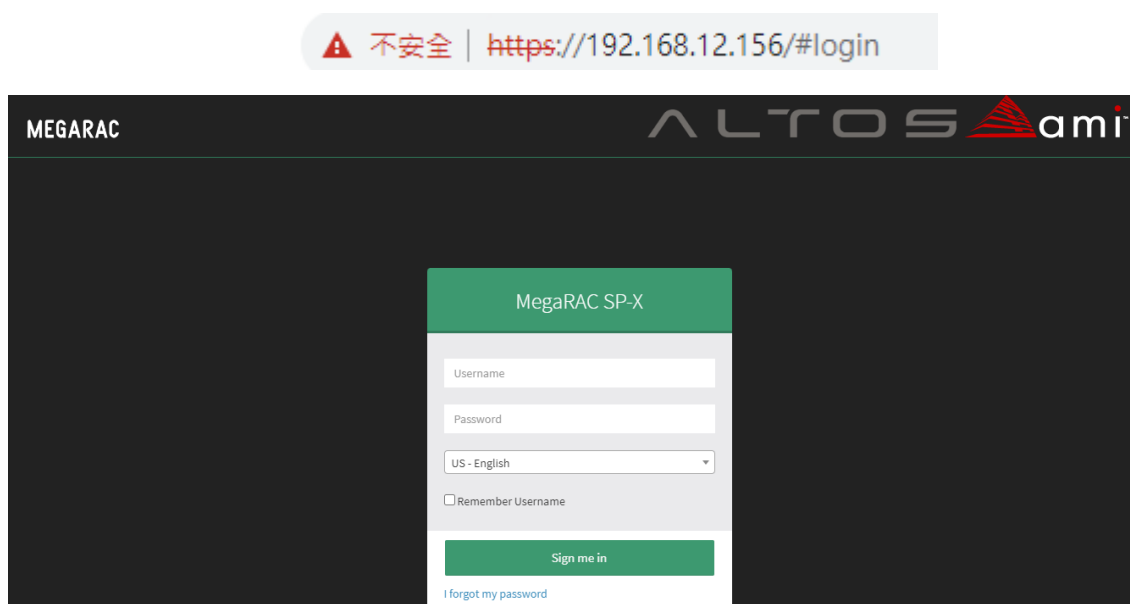


Figure 2.

## Chapter 2. Update the BMC firmware in BMC Web UI

1. Access the BMC Web UI, go to the maintenance page, and select the firmware update option.

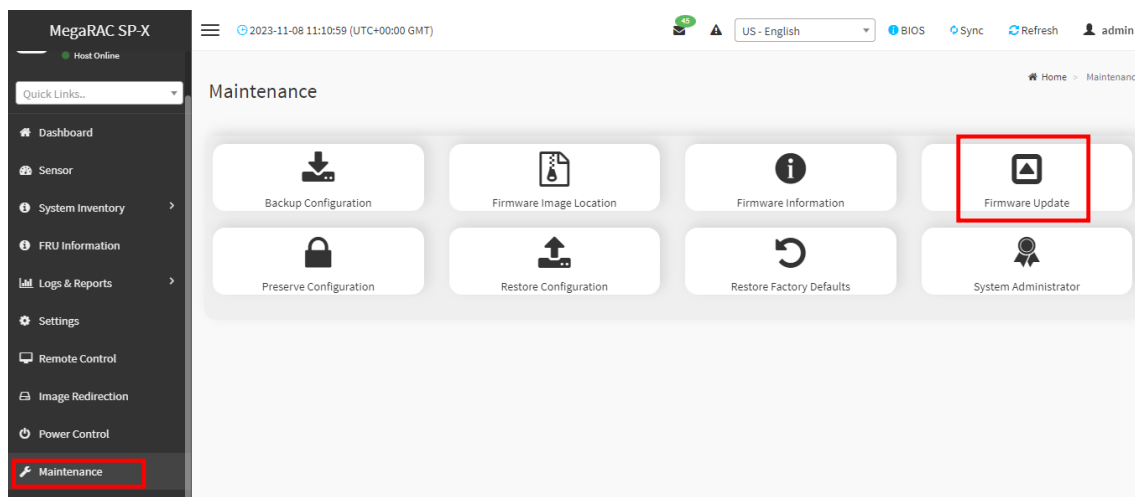


Figure 3.

2. Download the firmware update package to your computer, upload the "ima\_enc" file from the folder, and click on the "Start firmware update" option.

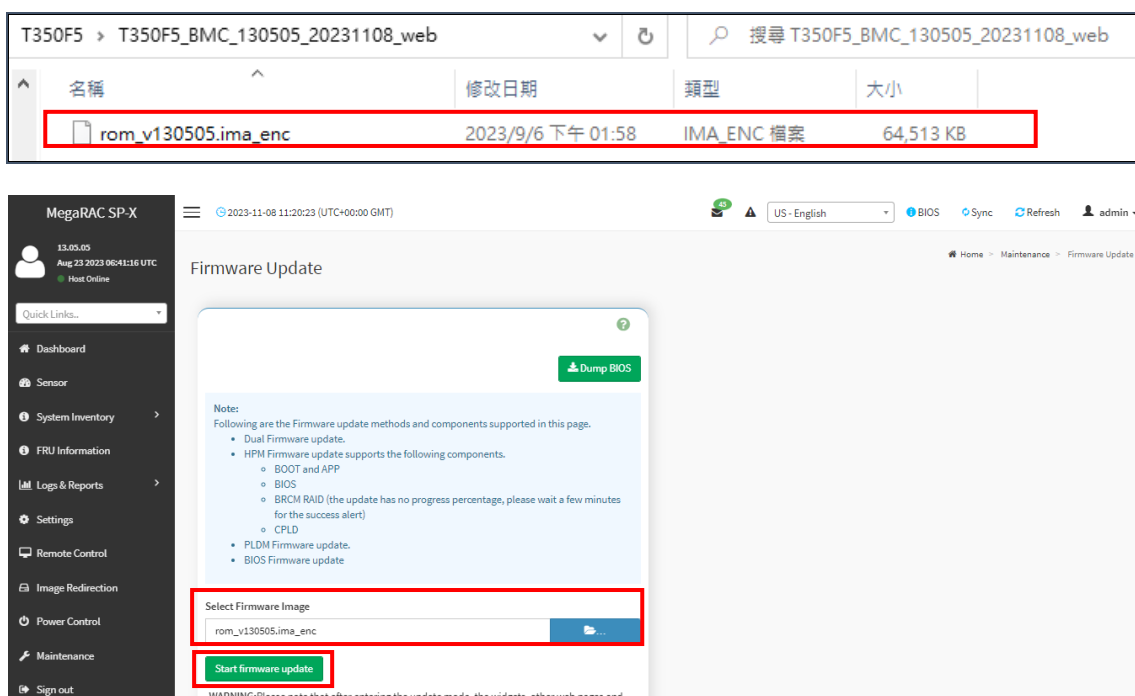


Figure 4.

- After pressing **“Start firmware update”**, you will see the following screen. You can decide whether to preserve the configuration and then press **“Proceed to flash”** to start the update.

**Start firmware update**

Protocol Type: HTTPS

Update Type: BMC

☐ 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    | SNMP                        | Overwrite       |
| 8    | SSH                         | Overwrite       |
| 9    | KVM                         | Overwrite       |
| 10   | AUTHENTICATION              | Overwrite       |
| 11   | SYSLOG                      | Overwrite       |
| 12   | WEB                         | Overwrite       |
| 13   | REDFISH                     | Overwrite       |

**Proceed to Flash**

Figure 5.

- Press **“OK”** to continue

192.168.12.156 顯示

We will start the firmware upgrade now. You will not be able to access BMC until it flashes and restarts. Do you want to continue?

**確定** 取消

Figure 6.

- The system begins the update process, and after the update is completed, please follow the prompts to wait for BMC initialization for a few minutes before reconnecting to the BMC Web UI.

**Note. If you didn't choose to preserve the configuration before the update, you'll need to reconfigure the IP address to reconnect to the BMC Web UI.**

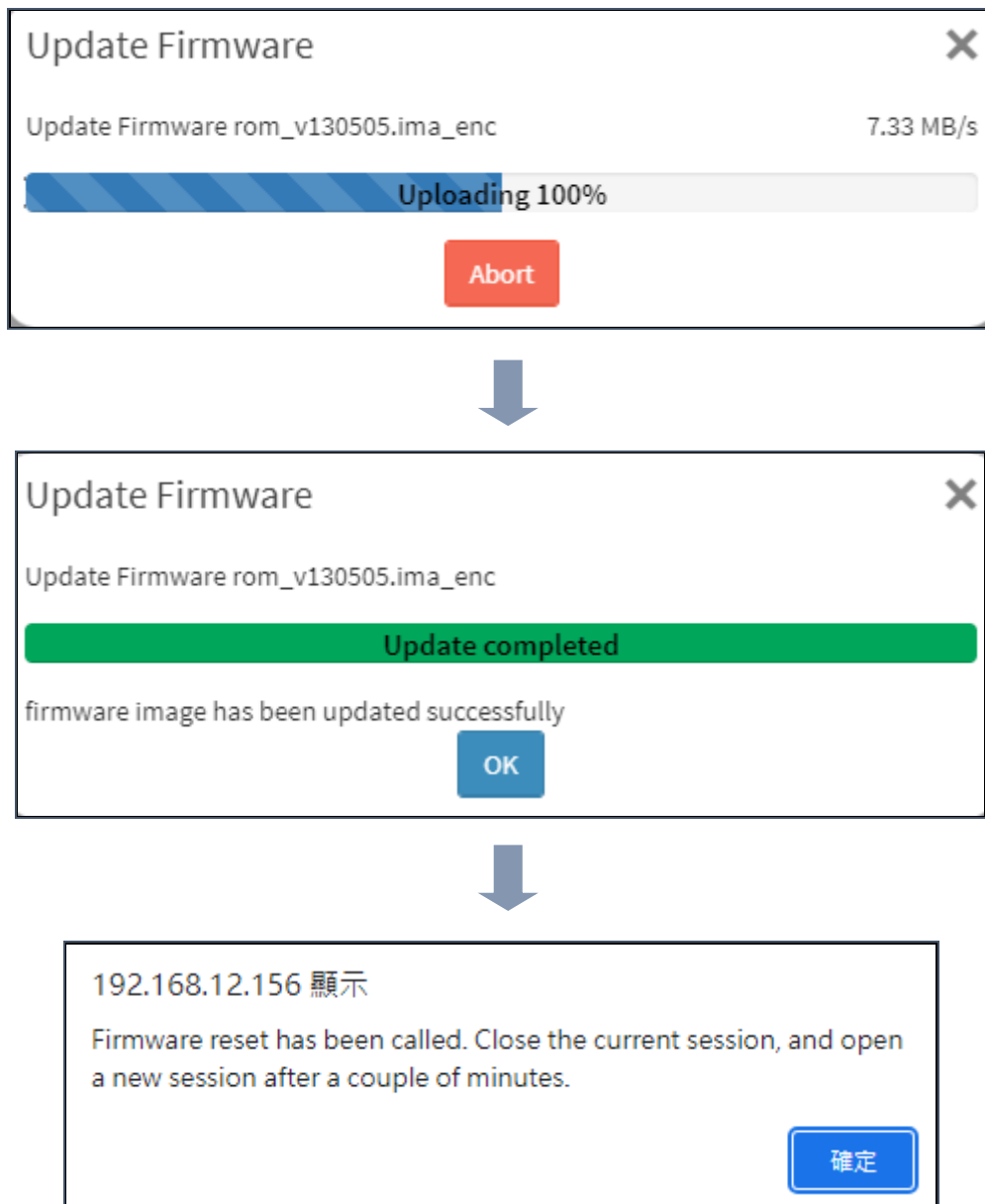


Figure 7.

- Login to the BMC Web UI and check if the version is correct.

## Chapter 3. Update the BIOS firmware in BMC Web UI

1. Access the BMC Web UI, go to the maintenance page, and select the firmware update option.

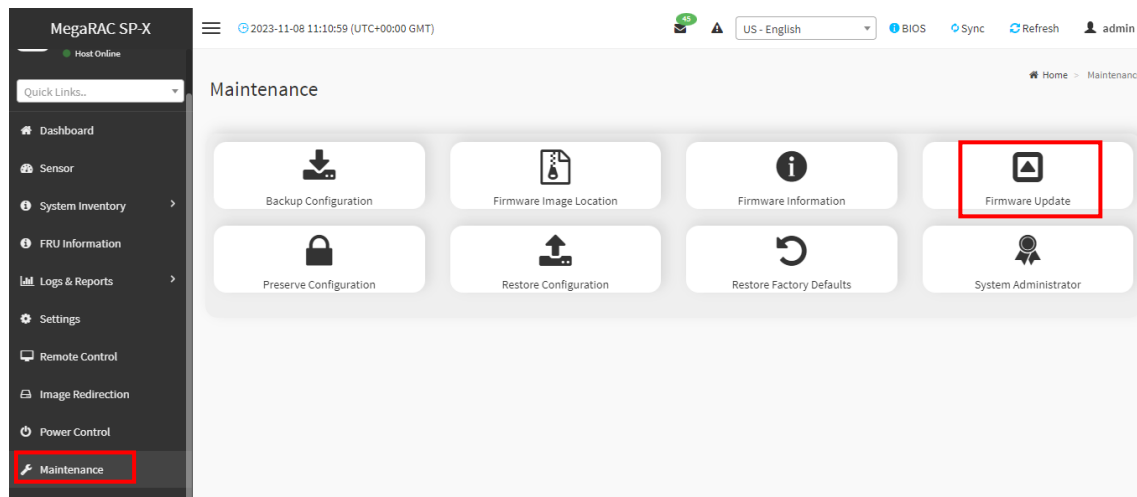


Figure 8.

2. Download the firmware update package to your computer, upload the **"image.rbu"** file from the folder, and click on the **"Start firmware update"** option.

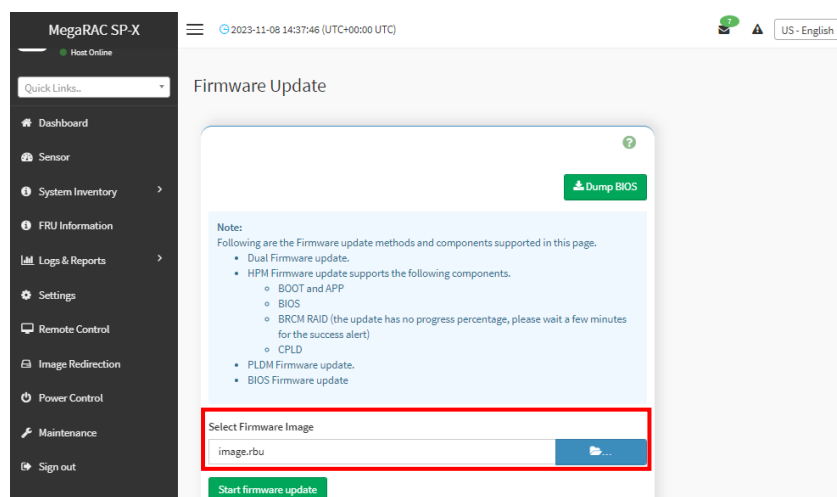


Figure 9.



3. After pressing **“Start firmware update”**, you will see the following screen. Press **“Proceed to flash”** to start the update.

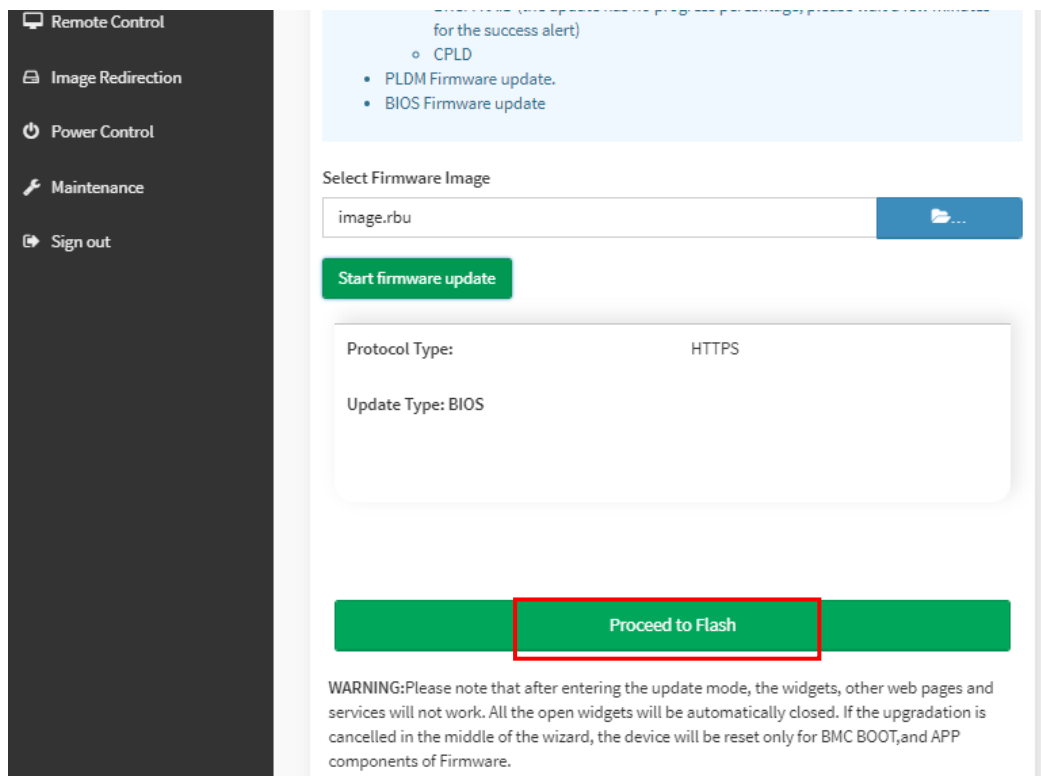


Figure 10.

4. Press **“OK”** to continue

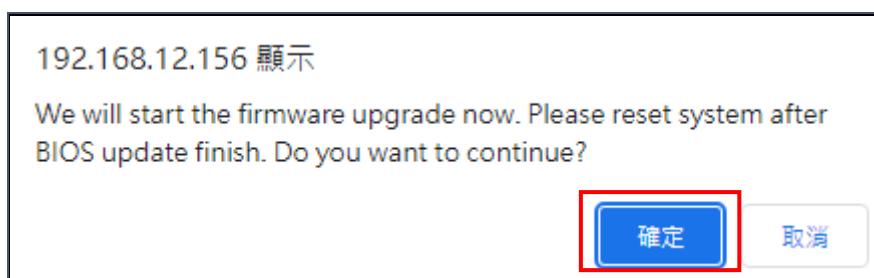


Figure 11.

5. The system starts the update process. Please wait for the update to be completed.

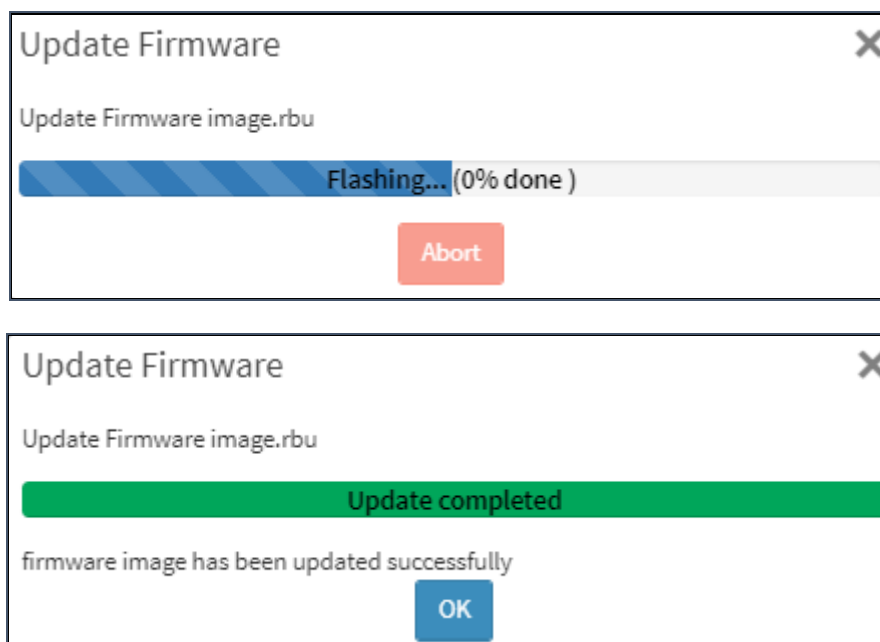


Figure 12.

6. After the update is completed, please **manually restart the system** to load the new BIOS image.

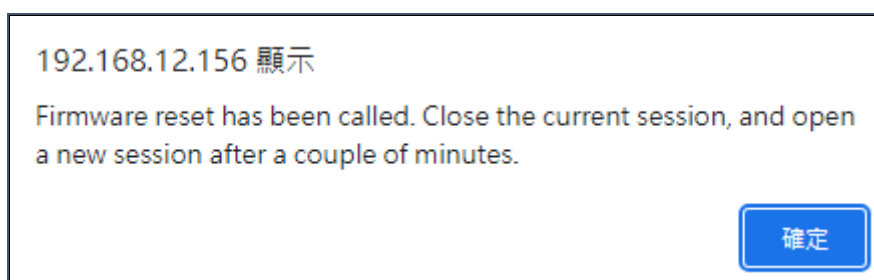


Figure 13.

7. After the system has restarted and completed the update, please check the BIOS version in the BIOS Setup and the BMC Web UI to ensure that it is correct.

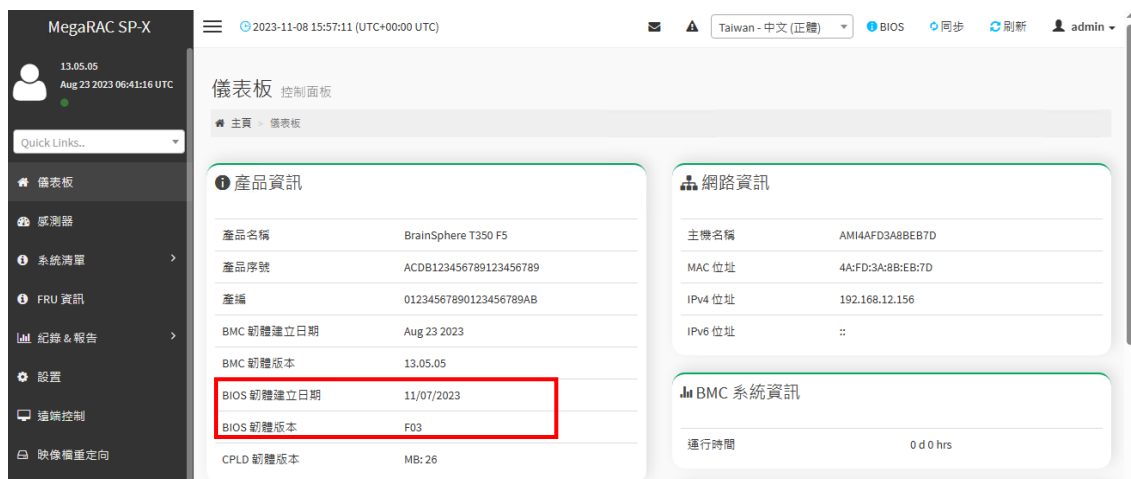


Figure 14.

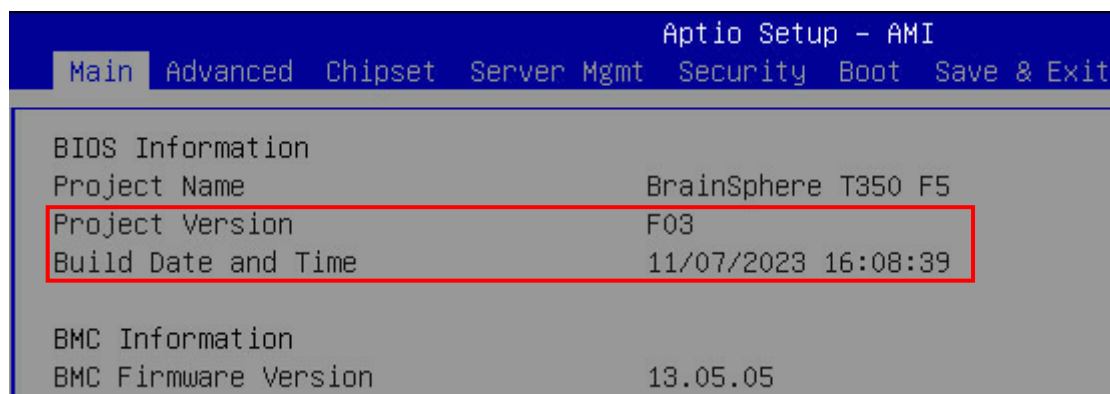


Figure 15.