



# Web Console Update

## BMC Firmware Update From BMC Web Console

Altos Computing Inc. is a subsidiary of Acer



- Connect an Ethernet cable like below the image

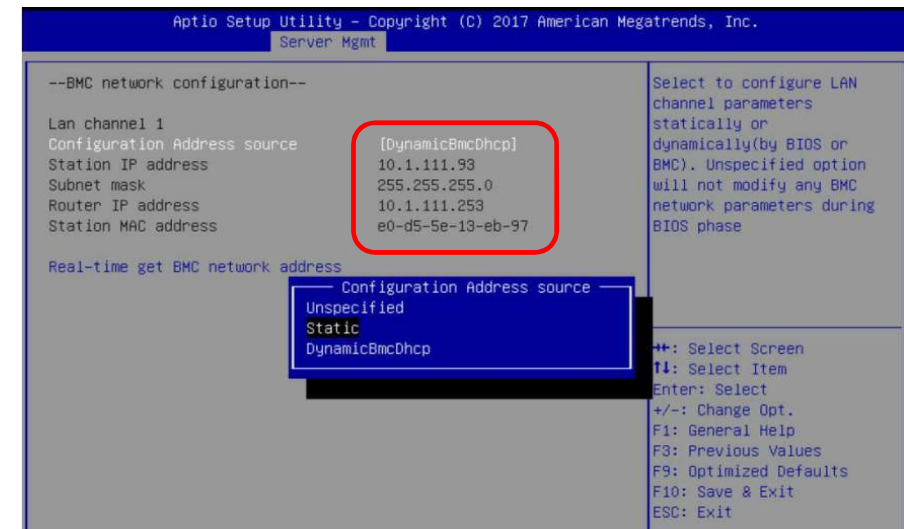
1U Server the BMC connect an Ethernet port



2U Server the BMC connect an Ethernet port

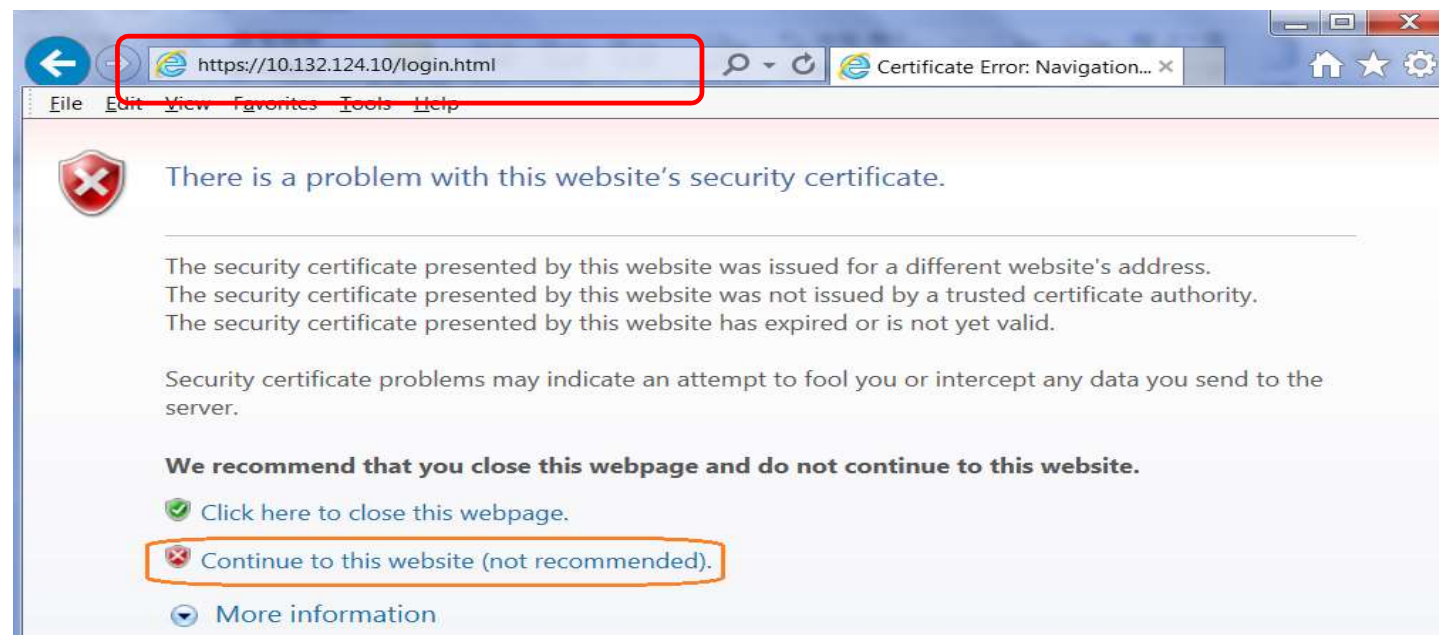


- Power on the system, and press [Del] key to enter BIOS Setup Utility. Go to the [Server Mgmt ] tab and select [BMC network Configuration] item.



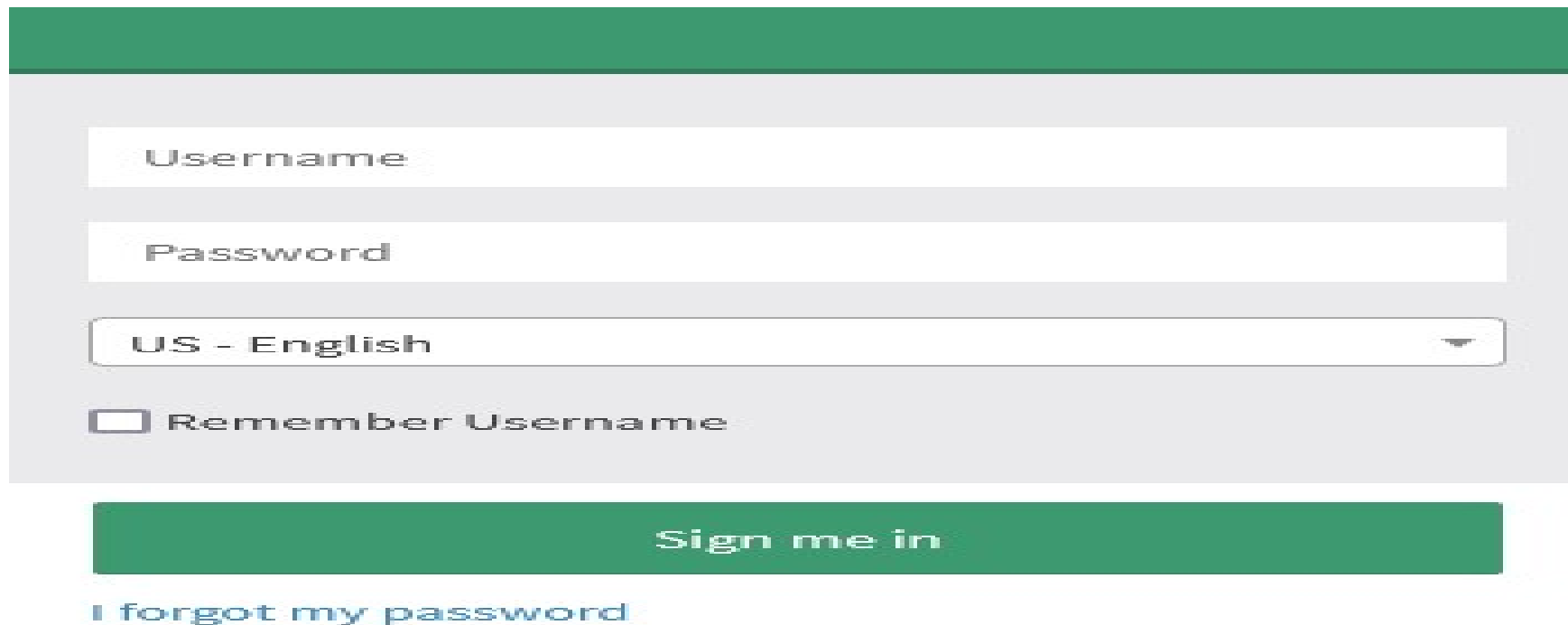
- Press the [Enter] key to “configuration address source” and change to [Static] option.
- Or you can use a DHCP server to assign an IP4 address automatically and see the IP4 address here

- Enter the IP address in browser's web address field. You will see a "There is a problem with this website's security certificate" webpage. Click on [Continue to this website (not recommended)]. Afterwards, you will see the IPMI logon webpage. This will allow you to link to the BMC web UI.



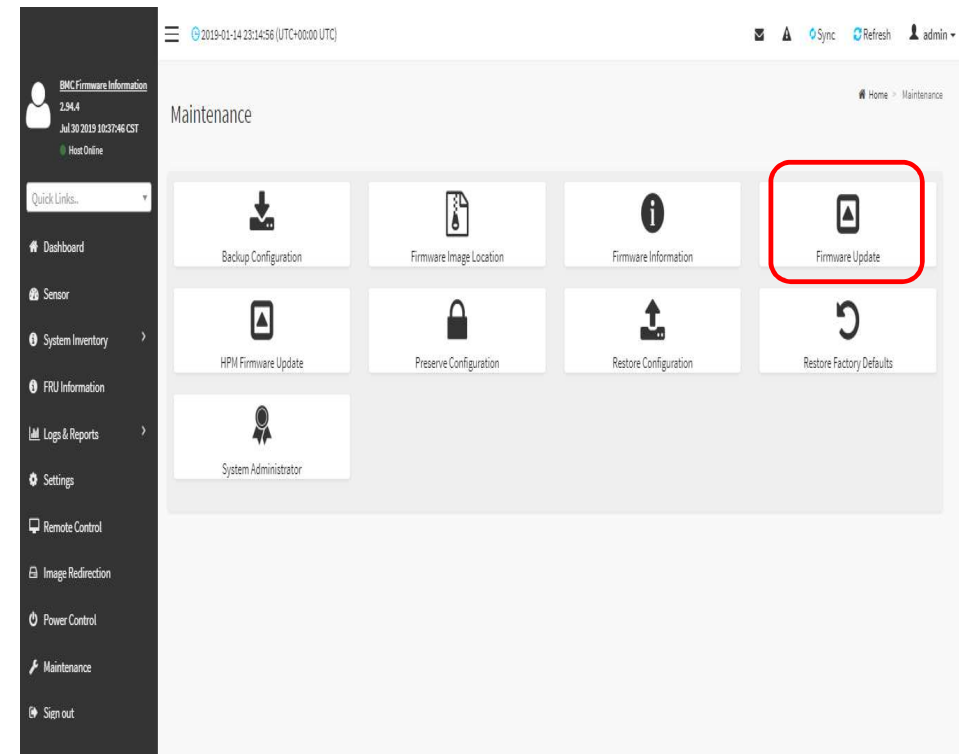
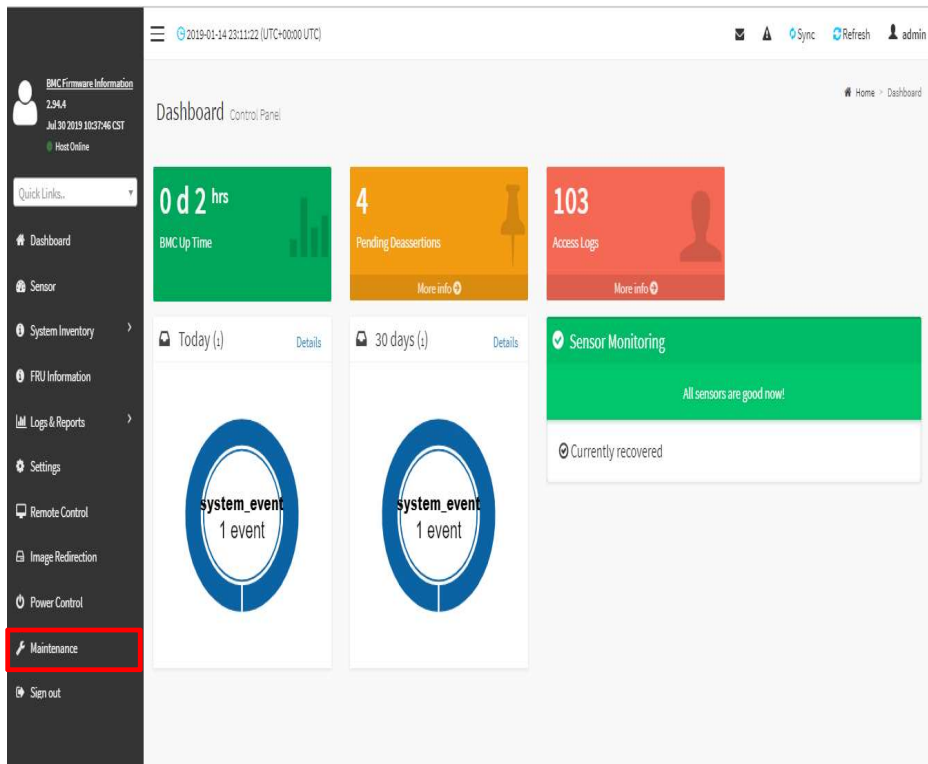


- Go to the BMC login web UI ,the default user name and password is user : **admin** password :**password** , after entering the username and password, click on the “Sign me in” button.



The image shows a login form for BMC. It features a green header bar at the top. Below it, there is a light gray box containing the login fields. The first field is labeled "Username" and the second is labeled "Password". Below these fields is a dropdown menu currently showing "US - English". Under the dropdown is a checkbox labeled "Remember Username". Below the gray box is a green button labeled "Sign me in". At the bottom of the form, there is a blue link that says "I forgot my password".

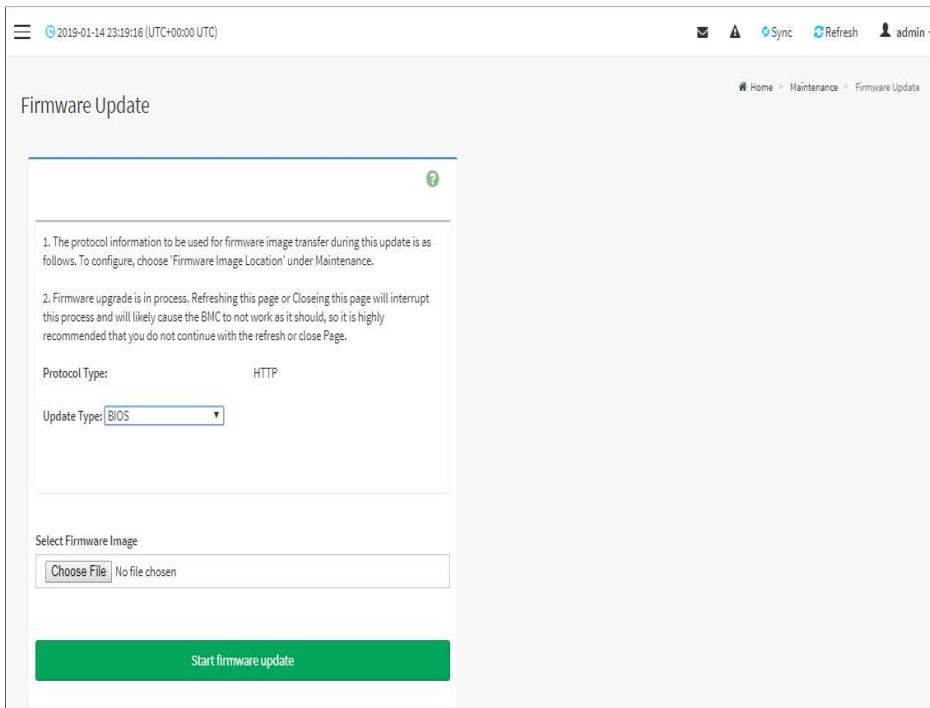
- Open Firmware Update Page , click **Maintenance > firmware Update** from the menu bar like below the image



- Sample screenshot of firmware Update page shown as below

➤ Below the page is for BIOS update

➤ Below the page is for BMC update



The screenshot shows the 'Firmware Update' page in a web interface. The page title is 'Firmware Update'. Below the title, there is a green button labeled 'Start firmware update'. The main content area contains two numbered instructions: 1. The protocol information to be used for firmware image transfer during this update is as follows. To configure, choose 'Firmware Image Location' under Maintenance. 2. Firmware upgrade is in process. Refreshing this page or Closing this page will interrupt this process and will likely cause the BMC to not work as it should, so it is highly recommended that you do not continue with the refresh or close Page. Below the instructions, there are two dropdown menus: 'Protocol Type' set to 'HTTP' and 'Update Type' set to 'BIOS'. At the bottom, there is a 'Select Firmware Image' section with a 'Choose File' button and the text 'No file chosen'. A green 'Start firmware update' button is at the bottom right.

2019-01-14 23:19:16 (UTC+00:00 UTC)

Sync Refresh admin

Home > Maintenance > Firmware Update

### Firmware Update

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

2. Firmware upgrade is in process. Refreshing this page or Closing this page will interrupt this process and will likely cause the BMC to not work as it should, so it is highly recommended that you do not continue with the refresh or close Page.

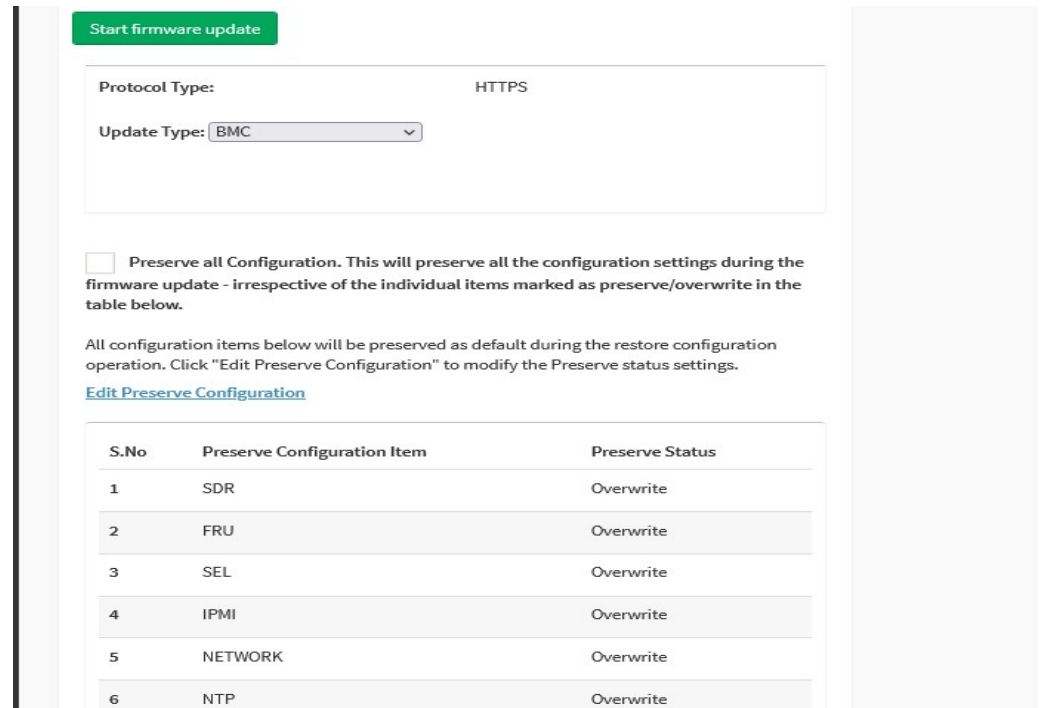
Protocol Type: HTTP

Update Type: BIOS

Select Firmware Image

Choose File No file chosen

Start firmware update



The screenshot shows the 'Firmware Update' page in a web interface. The page title is 'Firmware Update'. Below the title, there is a green button labeled 'Start firmware update'. The main content area contains two numbered instructions: 1. The protocol information to be used for firmware image transfer during this update is as follows. To configure, choose 'Firmware Image Location' under Maintenance. 2. Firmware upgrade is in process. Refreshing this page or Closing this page will interrupt this process and will likely cause the BMC to not work as it should, so it is highly recommended that you do not continue with the refresh or close Page. Below the instructions, there are two dropdown menus: 'Protocol Type' set to 'HTTPS' and 'Update Type' set to 'BMC'. At the bottom, there is a 'Select Firmware Image' section with a 'Choose File' button and the text 'No file chosen'. A green 'Start firmware update' button is at the bottom right.

2019-01-14 23:19:16 (UTC+00:00 UTC)

Sync Refresh admin

Home > Maintenance > Firmware Update

### Firmware Update

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

2. Firmware upgrade is in process. Refreshing this page or Closing this page will interrupt this process and will likely cause the BMC to not work as it should, so it is highly recommended that you do not continue with the refresh or close Page.

Protocol Type: HTTPS

Update Type: BMC

Select Firmware Image

Choose File No file chosen

Start firmware update

☐ 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

## ● BMC update step (1)

Uploaded signImage Public Key Info  
Tue Jul 30 02:37:25 2019

New signImage Public Key

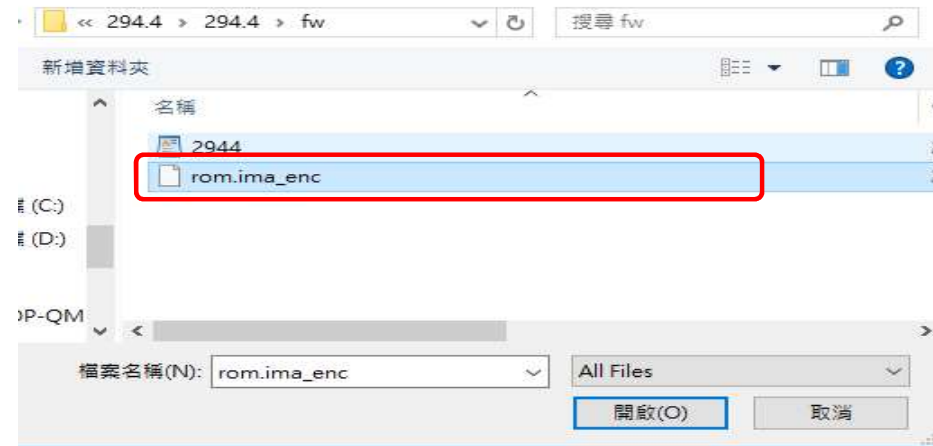
No file chosen

Select Firmware Image

No file chosen



\*In BMC Web UI  
To update need select ".ima\_enc" file



Uploaded signImage Public Key Info  
Tue Jul 30 02:37:25 2019

New signImage Public Key

No file chosen

Select Firmware Image

rom.ima\_enc



9 KVM Overwrite

10 AUTHENTICATION Overwrite

11 SYSLOG Overwrite

12 WEB Overwrite

13 REDFISH Overwrite

Uploaded signImage Public Key Info  
Tue Jul 30 02:37:25 2019

New signImage Public Key

No file chosen

Select Firmware Image

rom.ima\_enc

Processing ...

Verifying...

Uploading 100%



- BMC update step (2) ◦

Uploading to 100% please click “Flash selected sections” to start the firmware update

Select Firmware image

rom.ima\_enc

Only the selected sections will be updated:

Section Name	Existing version	Uploaded version	
boot	2.4.000000	2.4.000000	✓
conf	2.4.000000	2.4.000000	✓
conf	2.4.000000	2.4.000000	✓
root	2.4.000000	2.4.000000	✓
osimage	2.4.000000	2.4.000000	✓
www	2.4.000000	2.4.000000	✓
testapps	2.4.000000	2.4.000000	✓
ast2500e	2.94.4	2.94.4	✓

Uploading 100%



Select Firmware image

rom.ima\_enc

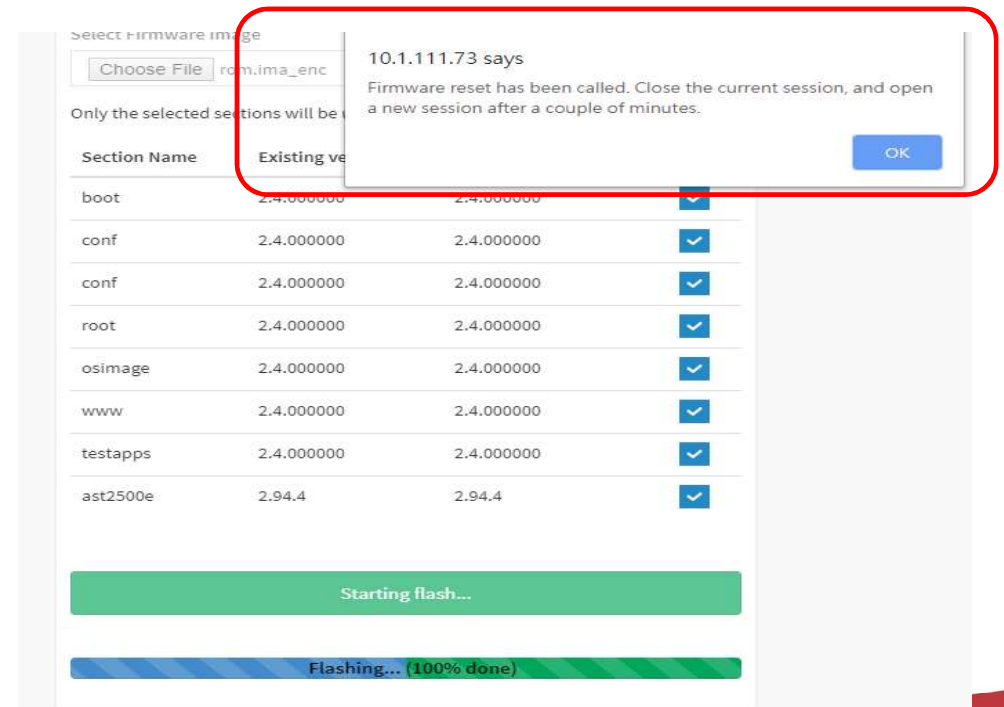
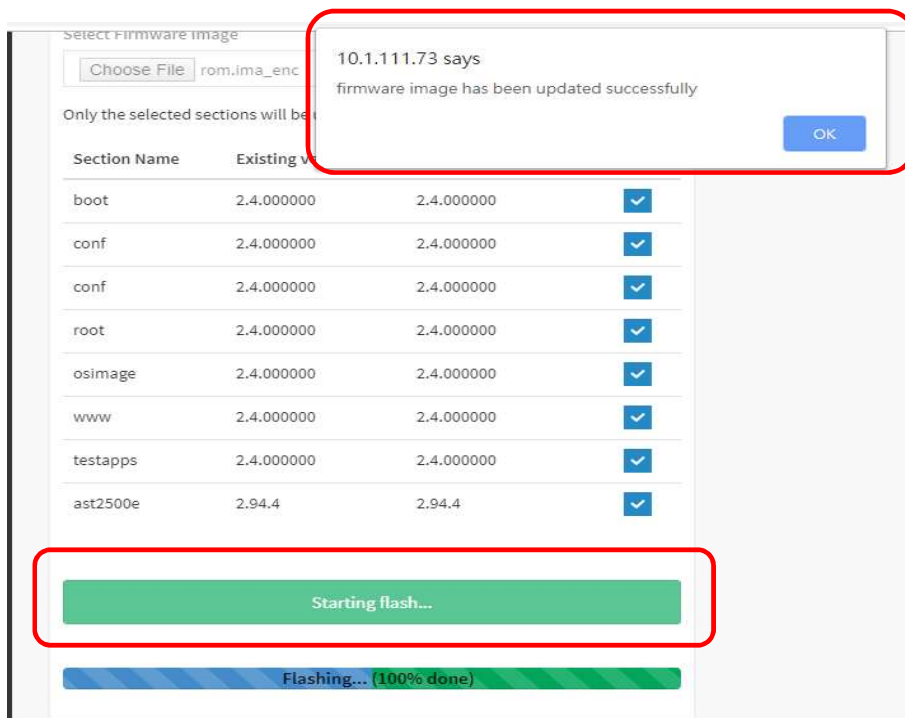
Only the selected sections will be updated:

Section Name	Existing version	Uploaded version	
boot	2.4.000000	2.4.000000	✓
conf	2.4.000000	2.4.000000	✓
conf	2.4.000000	2.4.000000	✓
root	2.4.000000	2.4.000000	✓
osimage	2.4.000000	2.4.000000	✓
www	2.4.000000	2.4.000000	✓
testapps	2.4.000000	2.4.000000	✓
ast2500e	2.94.4	2.94.4	✓

Flashing... (25% done)

## ● BMC update step (3)

Waiting to flashing 100% please click firmware successfully ok button then next page will show will open new page please also click "ok" button. **After then please shutdown the system and AC cycle system again**





# The Best is Yet To Come



For more information about Altos product and solution  
Please visit Altos website (welcome scan QR code or use URL)  
<https://www.altoscomputing.com/en-US>

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