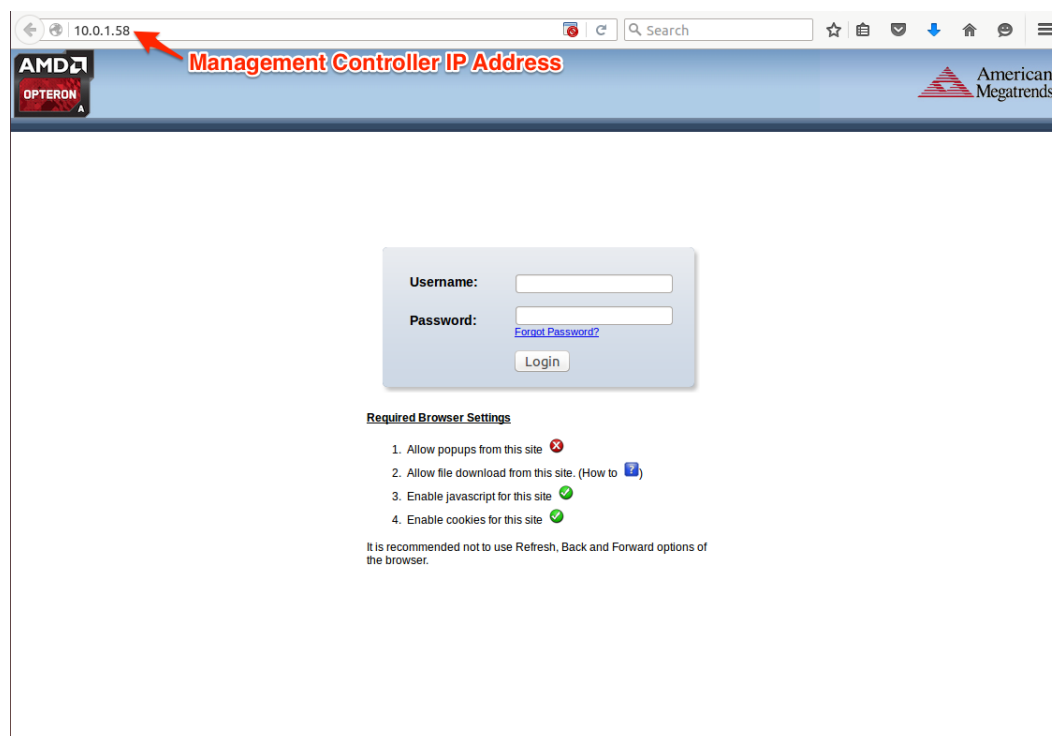


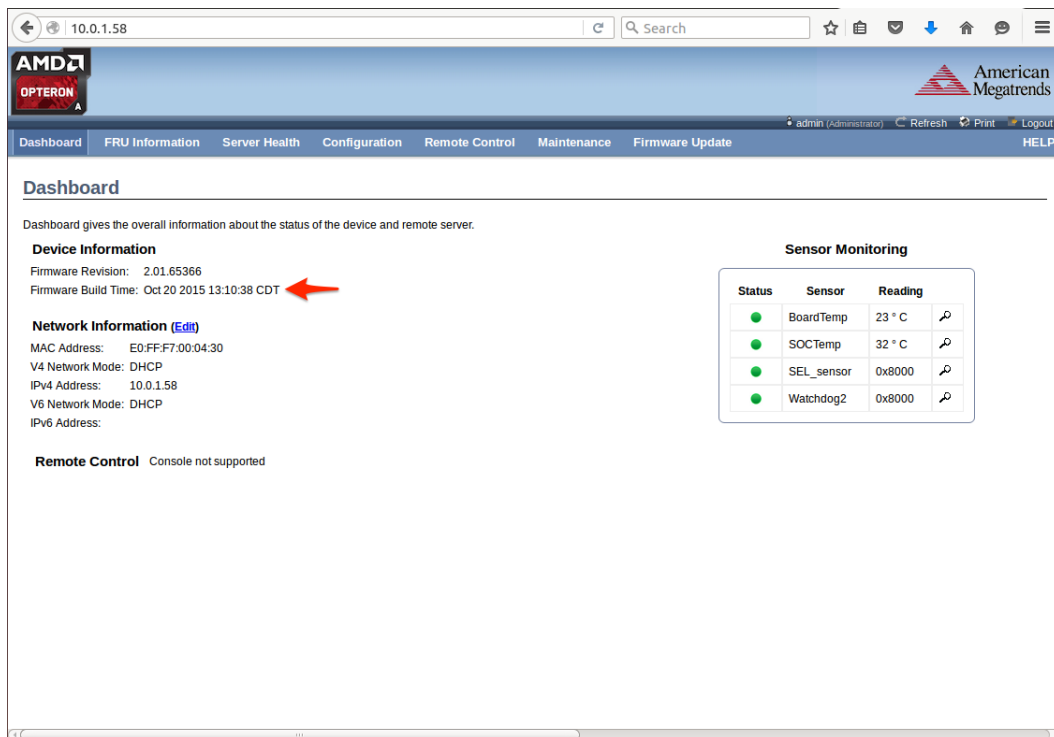
NOTE: Interruption of the firmware upgrade process could corrupt the firmware image making the unit unusable. SoftIron highly recommends performing the process with the unit protected by an uninterruptible power supply.

1. Verify that the unit to be upgraded has its maintenance port connected to the network and is powered on.
2. Determine the IP Address of the maintenance port.
3. Using a computer on the same network, open up a web browser page and navigate to the IP Address of the management controller. Log in to the management controller using the admin username and the admin password.

NOTE: The default admin password is 'admin' which SoftIron highly recommends the user change to a strong password.



4. Verify that the firmware build date is older than the replacement firmware.



Dashboard

Dashboard gives the overall information about the status of the device and remote server.

Device Information

Firmware Revision: 2.01.65366
Firmware Build Time: Oct 20 2015 13:10:38 CDT

Network Information ([Edit](#))

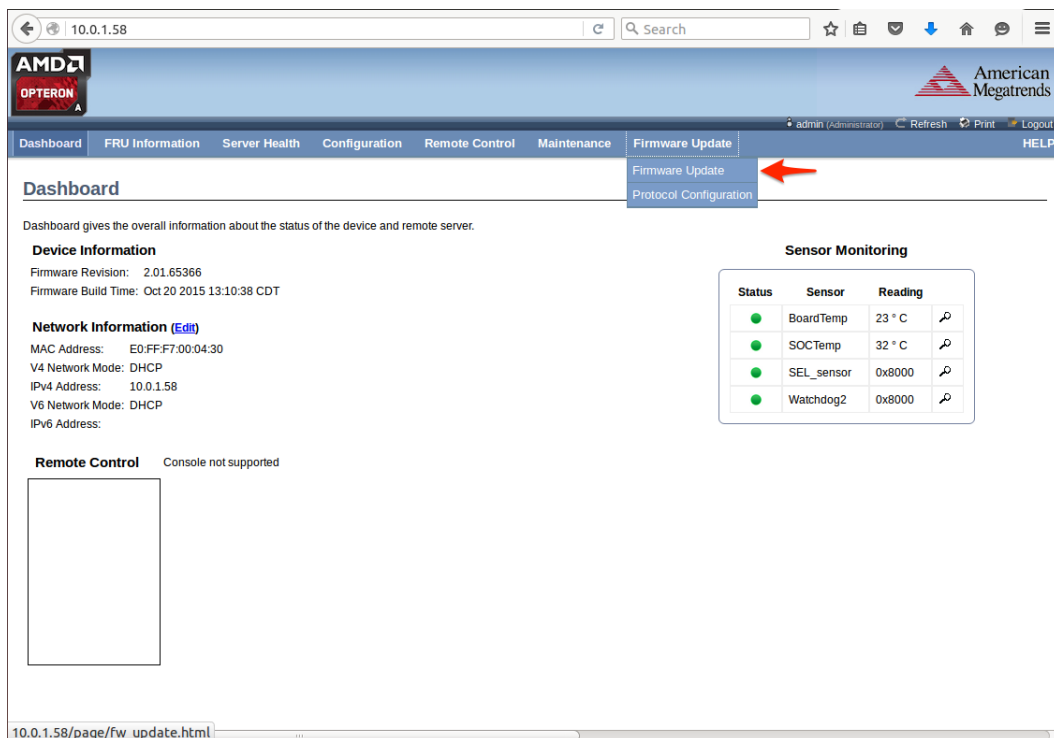
MAC Address: E0:FF:F7:00:04:30
V4 Network Mode: DHCP
IPv4 Address: 10.0.1.58
V6 Network Mode: DHCP
IPv6 Address:

Remote Control Console not supported

Sensor Monitoring

Status	Sensor	Reading	
●	BoardTemp	23 °C	↻
●	SOCTemp	32 °C	↻
●	SEL_sensor	0x8000	↻
●	Watchdog2	0x8000	↻

5. Navigate to to **Firmware Update** page.



Dashboard

Dashboard gives the overall information about the status of the device and remote server.

Device Information

Firmware Revision: 2.01.65366
Firmware Build Time: Oct 20 2015 13:10:38 CDT

Network Information ([Edit](#))

MAC Address: E0:FF:F7:00:04:30
V4 Network Mode: DHCP
IPv4 Address: 10.0.1.58
V6 Network Mode: DHCP
IPv6 Address:

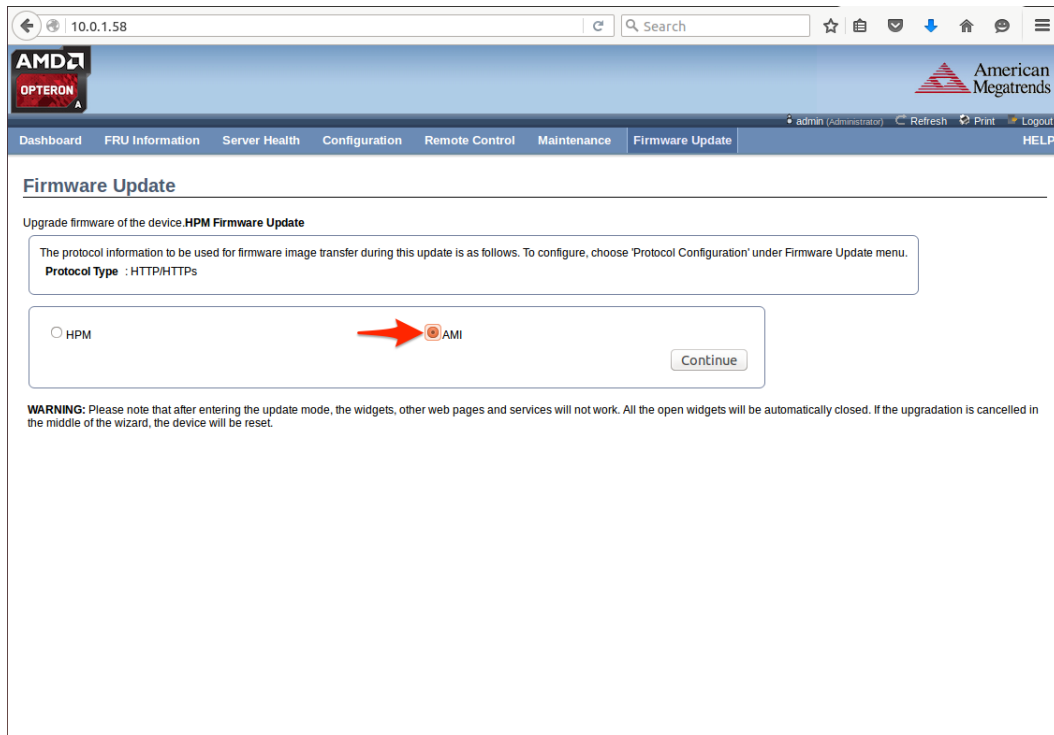
Remote Control Console not supported

Sensor Monitoring

Status	Sensor	Reading	
●	BoardTemp	23 °C	↻
●	SOCTemp	32 °C	↻
●	SEL_sensor	0x8000	↻
●	Watchdog2	0x8000	↻

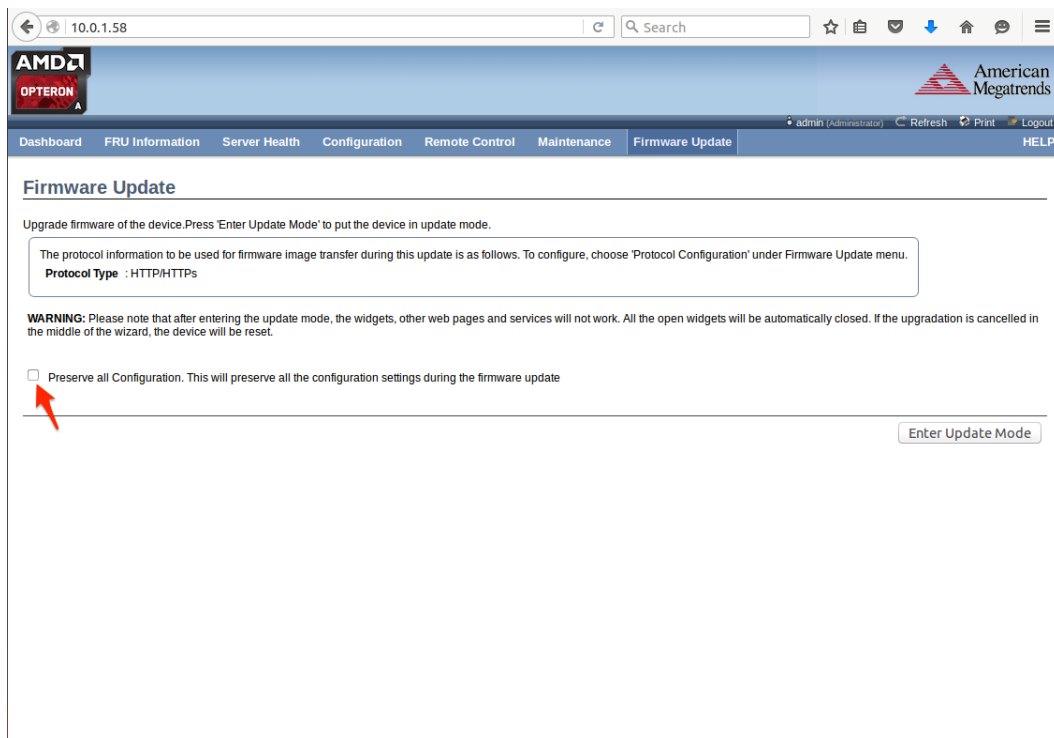
10.0.1.58/page/fw_update.html

6. Select The **AMI** radio button and then press Continue.



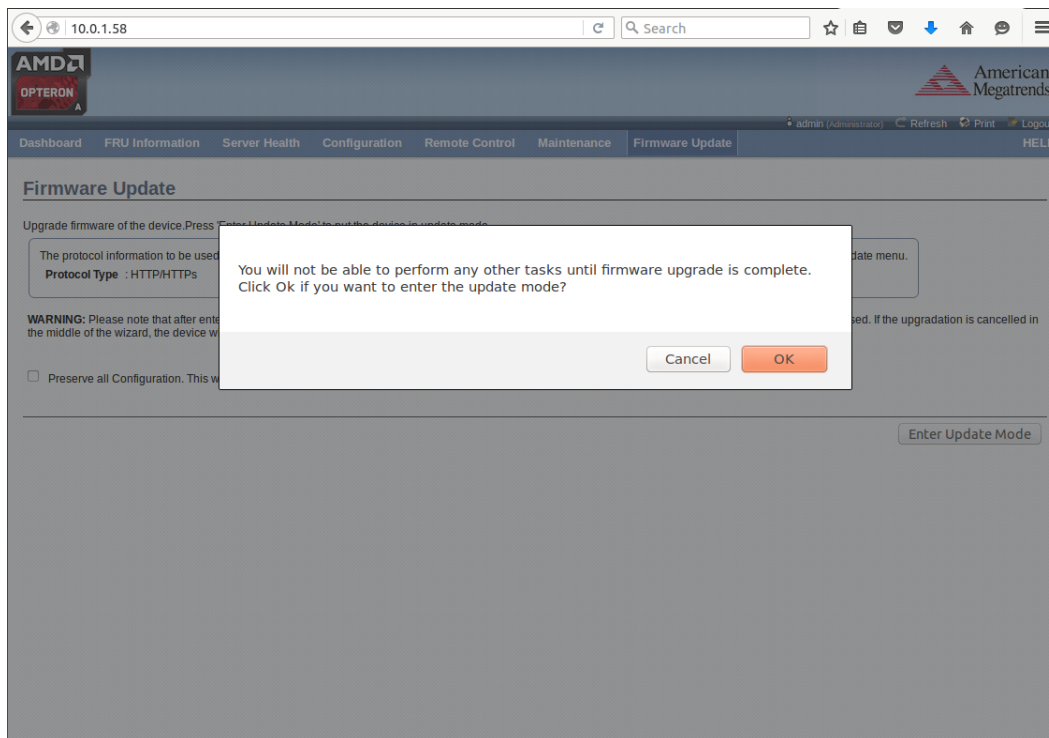
The screenshot shows the 'Firmware Update' page in the American Megatrends (AMI) BIOS/UEFI interface. The page title is 'Firmware Update'. Below the title, it says 'Upgrade firmware of the device. HPM Firmware Update'. A text box explains the protocol information: 'The protocol information to be used for firmware image transfer during this update is as follows. To configure, choose 'Protocol Configuration' under Firmware Update menu. Protocol Type : HTTP/HTTPS'. Below this, there are two radio buttons: 'HPM' and 'AMI'. The 'AMI' radio button is selected, indicated by a red arrow. A 'Continue' button is visible to the right of the radio buttons. At the bottom, a warning message states: '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.'

7. If you have made any configuration changes to the management firmware (Users, Passwords, Static IP Address, etc.) check the **Preserve all Configuration** box.

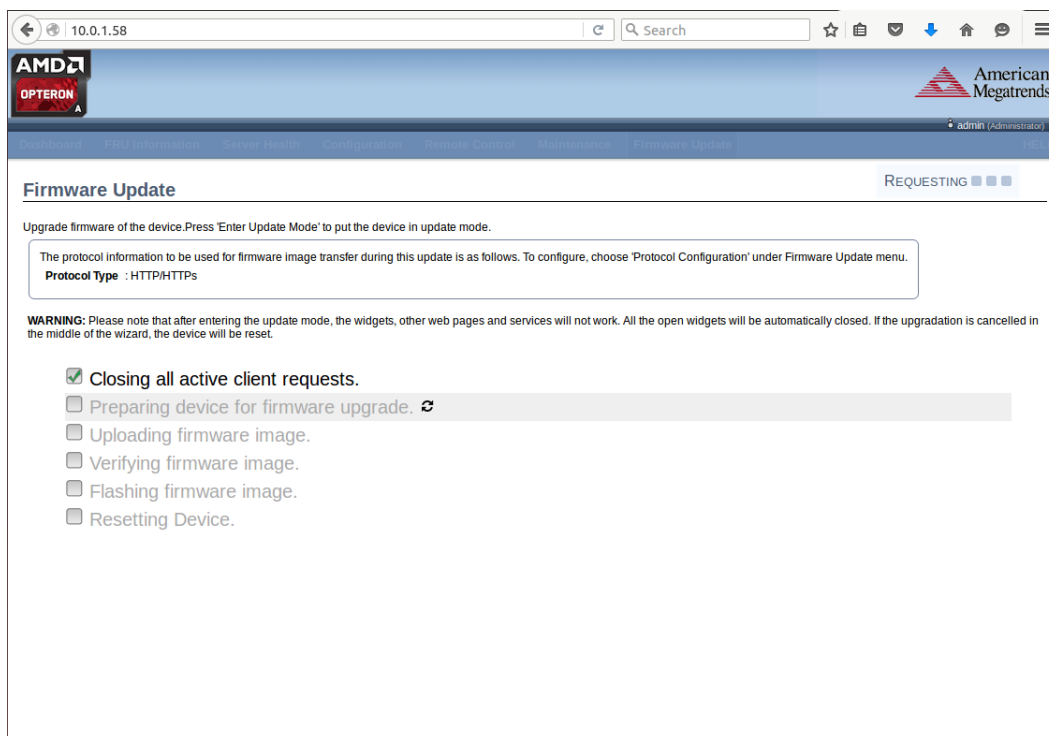


The screenshot shows the 'Firmware Update' page in the American Megatrends (AMI) BIOS/UEFI interface. The page title is 'Firmware Update'. Below the title, it says 'Upgrade firmware of the device. Press 'Enter Update Mode' to put the device in update mode.'. A text box explains the protocol information: 'The protocol information to be used for firmware image transfer during this update is as follows. To configure, choose 'Protocol Configuration' under Firmware Update menu. Protocol Type : HTTP/HTTPS'. Below this, there is a checkbox labeled 'Preserve all Configuration. This will preserve all the configuration settings during the firmware update'. The checkbox is checked, indicated by a red arrow. An 'Enter Update Mode' button is visible at the bottom right.

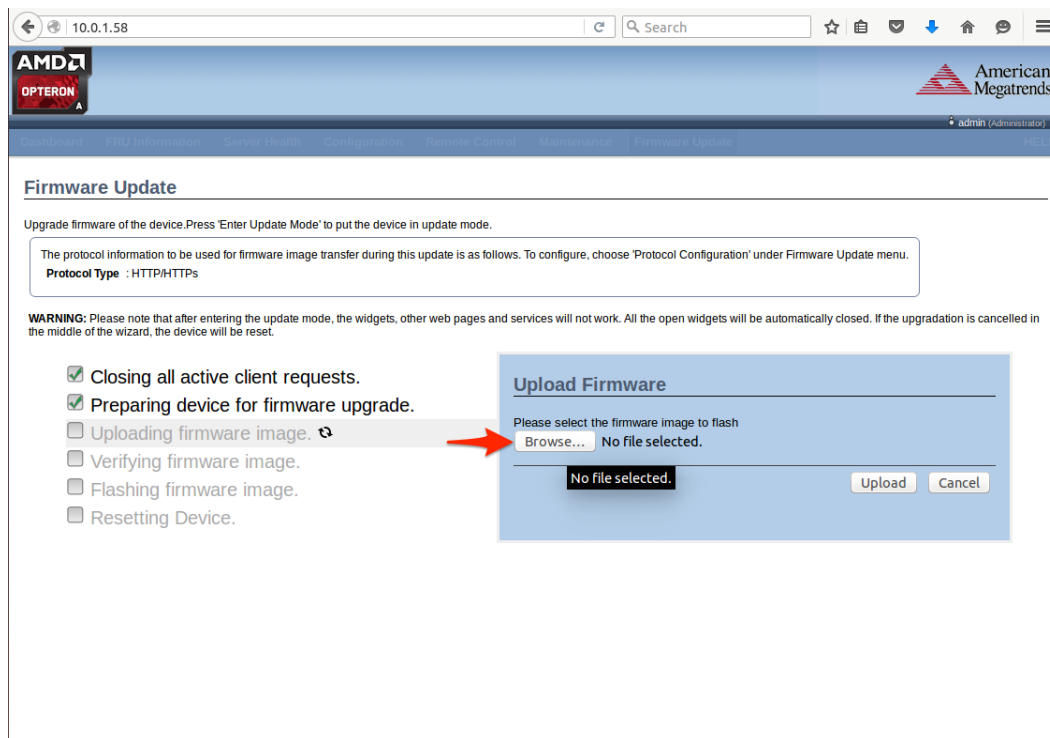
8. Press **OK** to enter the update mode.



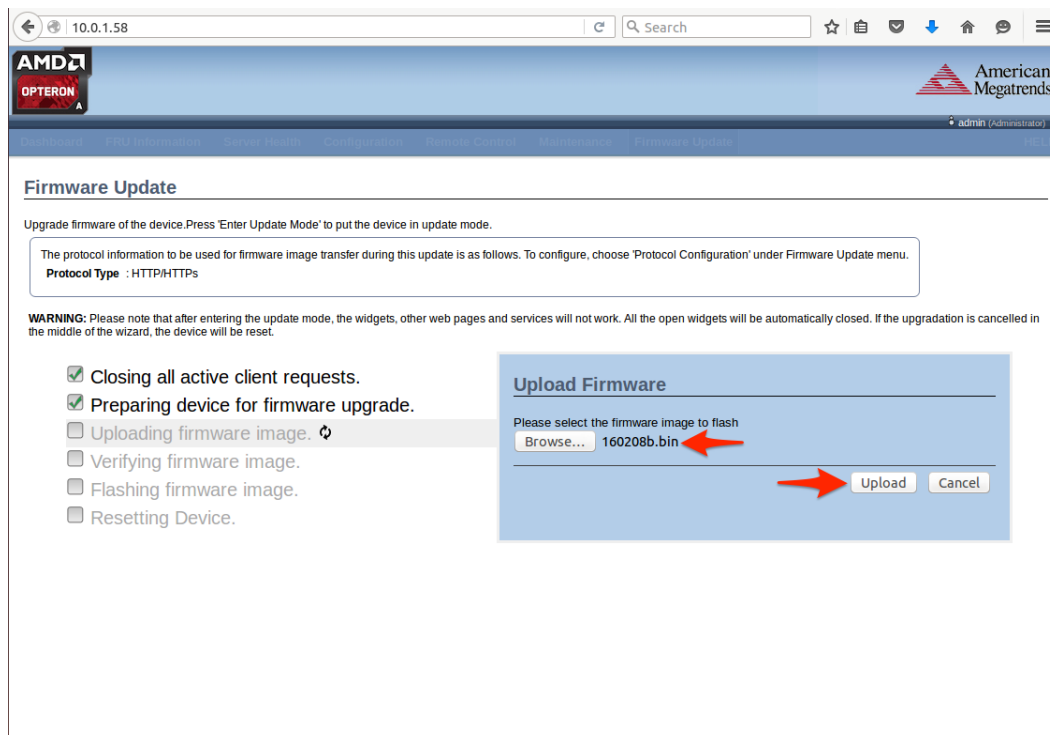
9. The firmware update process will begin by preparing the flash device.



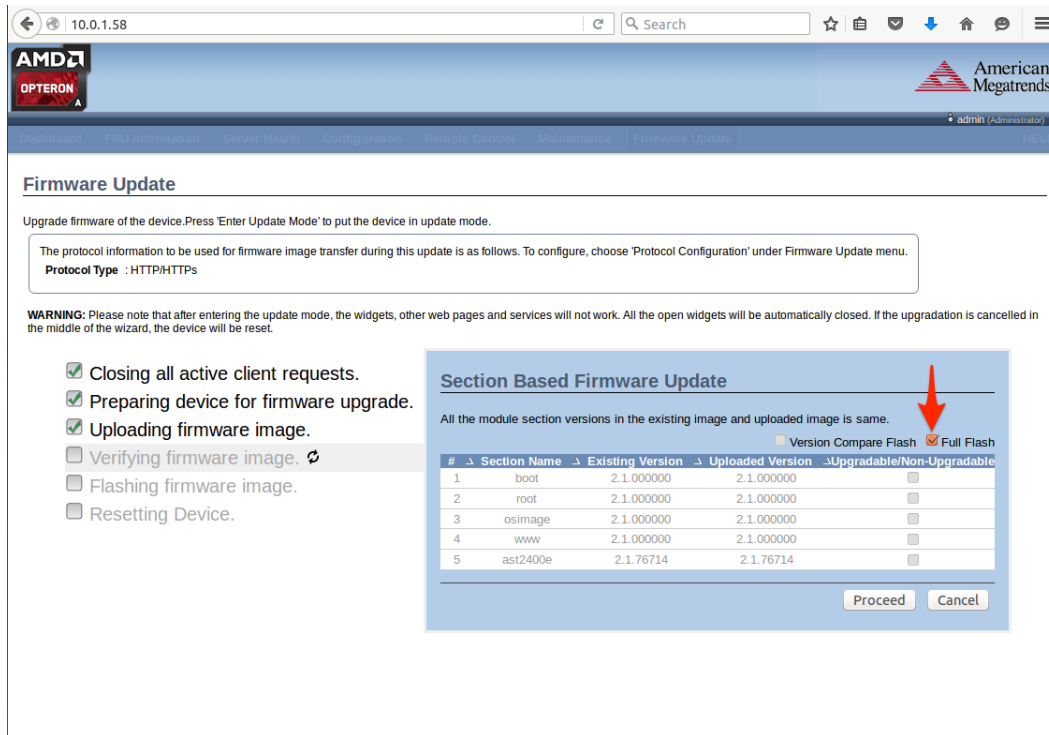
10. After the preparation has completed, the web interface will prompt for the new firmware binary file location. Click the **Browse...** button and select firmware .bin file.



11. Verify that the correct firmware image file has been selected and then press the **Upload** button.



12. The web interface will upload the new file and compare the version numbers of the existing and new firmware components. Select the **Full Flash** check box to update all of the components.



AMD OPTERON

American Megatrends

admin (Administrator)

Firmware Update

Upgrade firmware of the device. Press 'Enter Update Mode' to put the device in update mode.

The protocol information to be used for firmware image transfer during this update is as follows. To configure, choose 'Protocol Configuration' under Firmware Update menu.

Protocol Type : HTTP/HTTPS

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.

- ☒ Closing all active client requests.
- ☒ Preparing device for firmware upgrade.
- ☒ Uploading firmware image.
- ☐ Verifying firmware image. ↻
- ☐ Flashing firmware image.
- ☐ Resetting Device.

Section Based Firmware Update

All the module section versions in the existing image and uploaded image is same.

☐ Version Compare Flash ☒ Full Flash

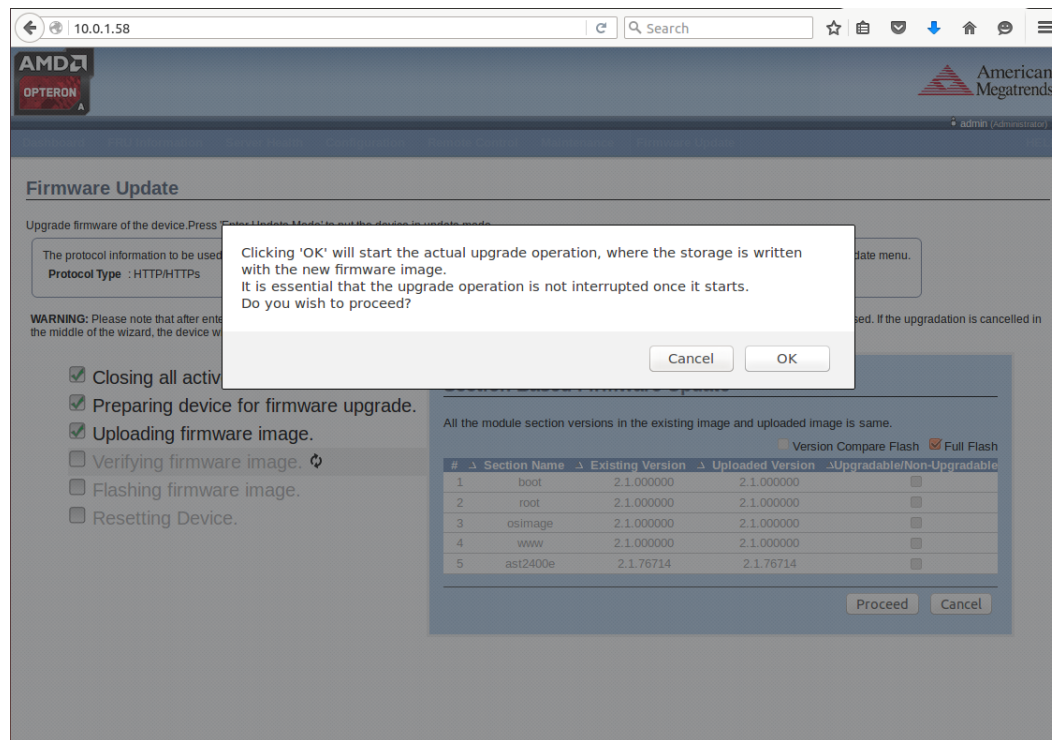
#	Section Name	Existing Version	Uploaded Version	Upgradable/Non-Upgradable
1	boot	2.1.000000	2.1.000000	<input type="checkbox"/>
2	root	2.1.000000	2.1.000000	<input type="checkbox"/>
3	osimage	2.1.000000	2.1.000000	<input type="checkbox"/>
4	www	2.1.000000	2.1.000000	<input type="checkbox"/>
5	ast2400e	2.1.76714	2.1.76714	<input type="checkbox"/>

Proceed Cancel

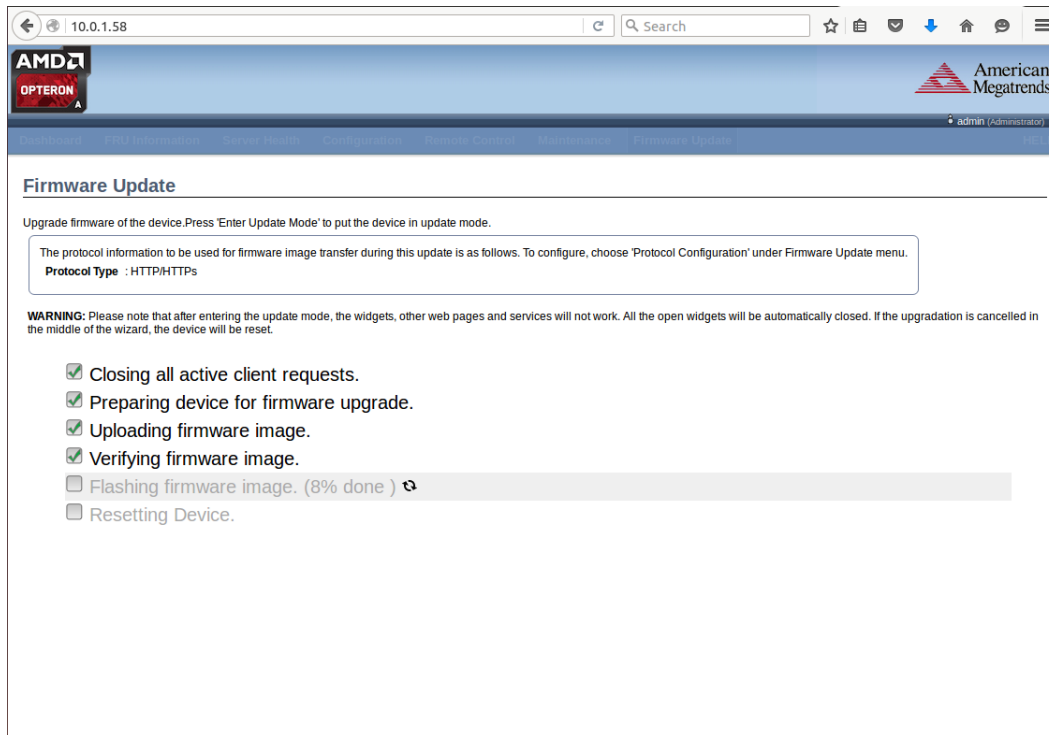
13. Verify that the subsequent upgrade process will not be interrupted and press **OK**.

NOTE: Interruption of the firmware upgrade process could corrupt the firmware image making the unit unusable.

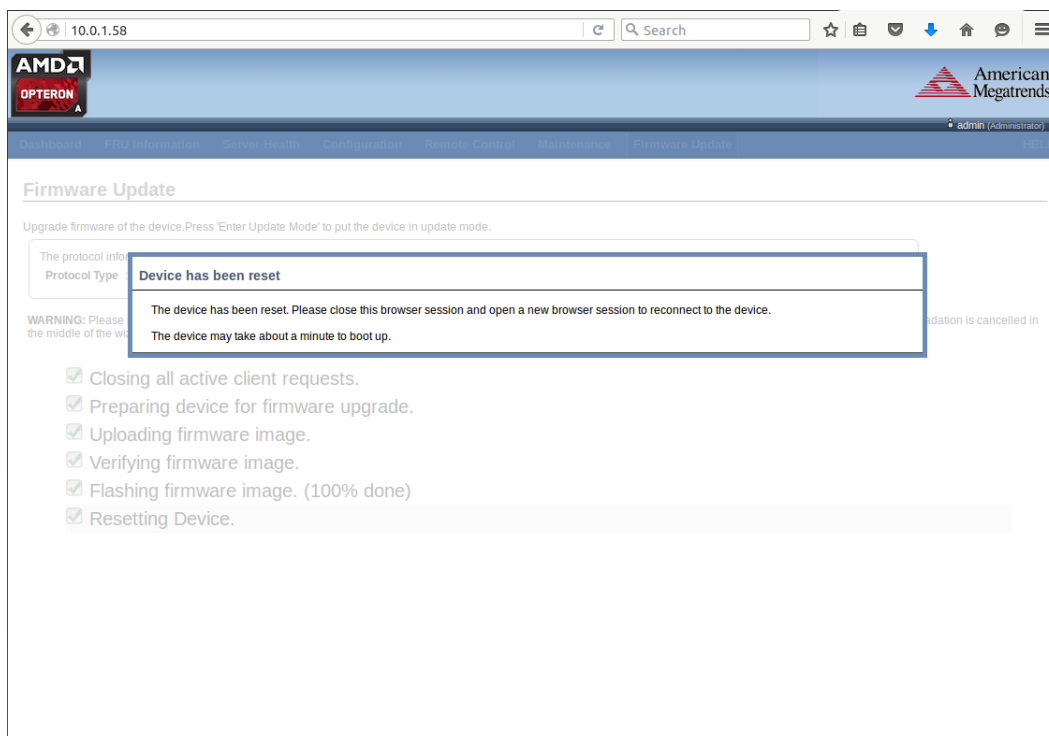
DO NOT remove power or reset the system before the flash process is complete.



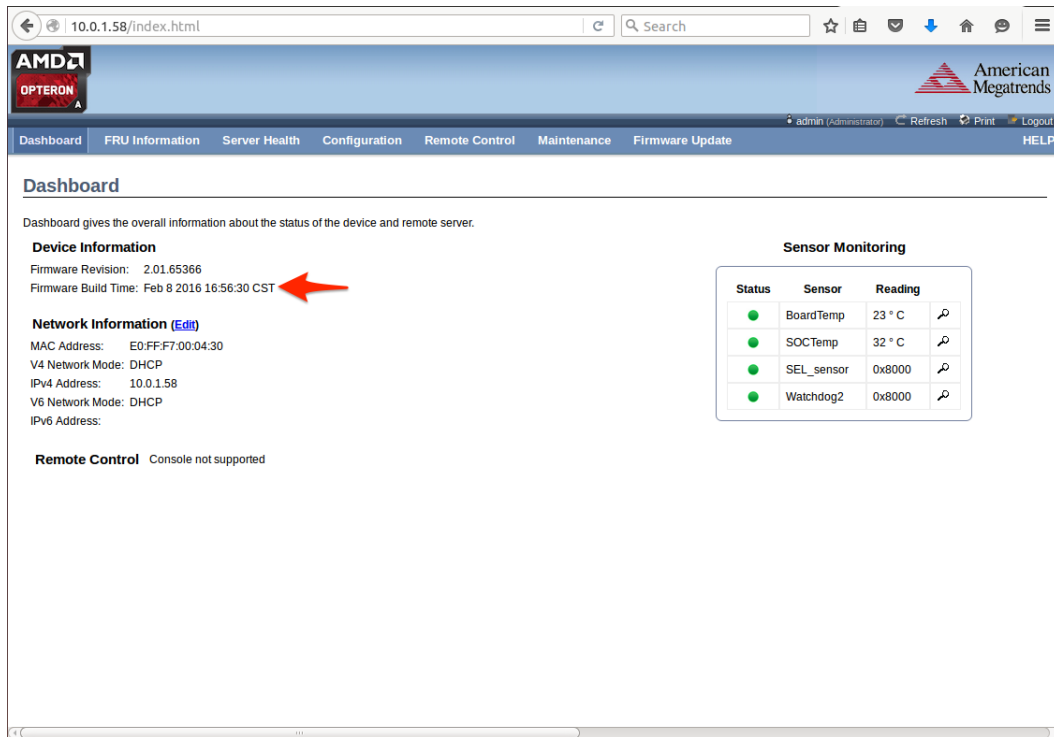
14. The progress of the flash operation will be displayed in the web interface.



15. Once the process has completed, the management controller will reboot. It will take about minute for it to restart and connect to the network again.



16. When the management controller has reconnected with the network, navigate to the controller's IP Address again and log in. Verify that the correct firmware build date is displayed.



Status	Sensor	Reading	
●	BoardTemp	23 ° C	🔊
●	SOCTemp	32 ° C	🔊
●	SEL_sensor	0x8000	🔊
●	Watchdog2	0x8000	🔊

17. The firmware update is now complete.