

How to rescue Bios when flash fail

Get in to Web UI.

Need :

One Router or Switch

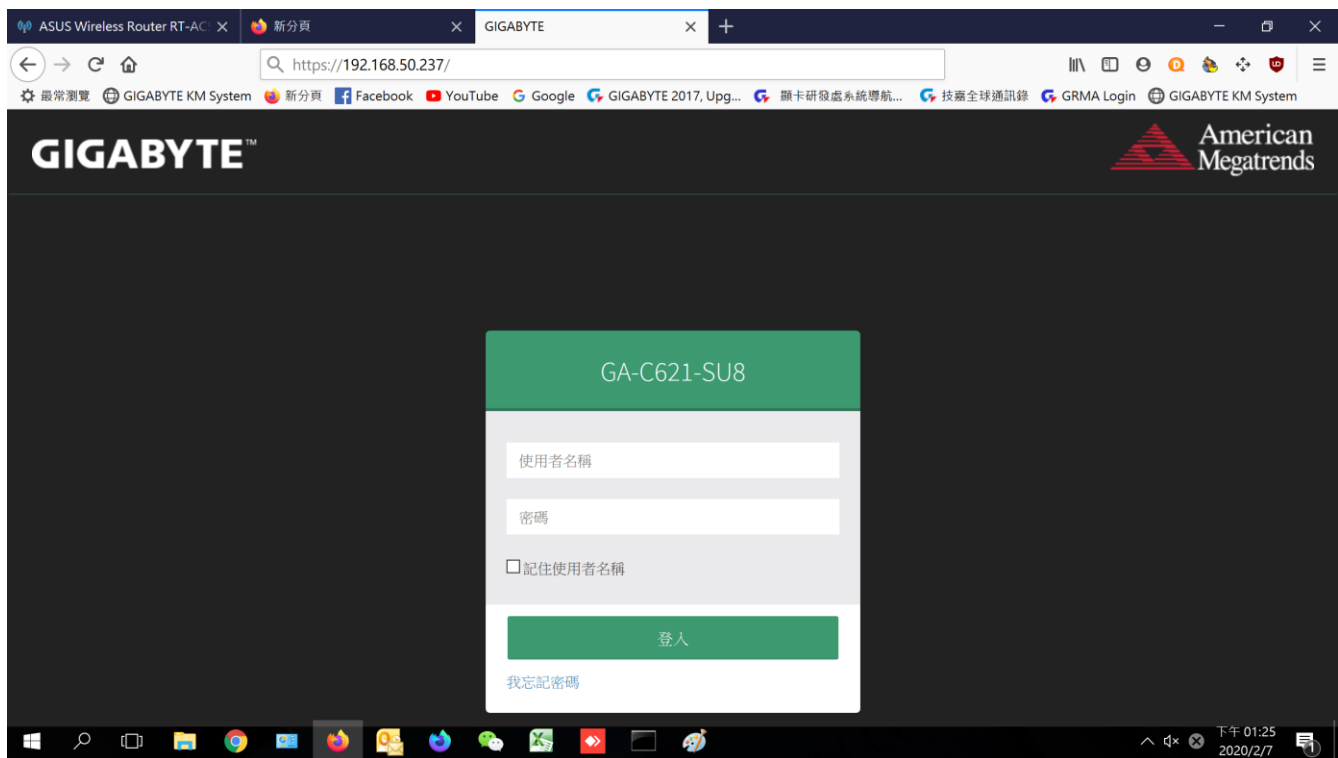
One PC or NB

1. Login the router
(run Cmd -> ipconfig
Default gateway is router ip.)
2. And Check serve's Mac address assign which IP address.

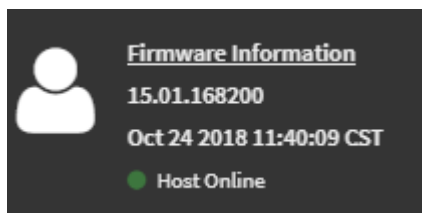
The screenshot shows the ASUS RT-AC58U Web UI. The browser address bar displays `router.asus.com/Main_DHCPStatus_Content.asp`. The page title is "ASUS RT-AC58U". The navigation menu on the left includes "網路設定精靈", "一般設定", "網路地圖", "訪客網路", "流量管理", "家長電腦控制程式", "USB 相關應用", "AiCloud 2.0 個人雲 2.0 應用", "進階設定", and "無線網路". The main content area is titled "系統紀錄 - DHCP租約" (System Record - DHCP Lease). It displays a table of DHCP leases with the following columns: Hostname, IP Address, MAC Address, and Expires. The table contains 15 entries, including various devices like iPhone, iPad, and Desktop.

Hostname	IP Address	MAC Address	Expires
*	192.168.50.237	00:09:87:65:43:21	23:58:12
TP-TA170403-NB	192.168.50.36	34:f3:9a:58:f5:d9	23:56:47
iPhone	192.168.50.2	64:70:33:ae:5d:52	22:57:07
koukeyakiiPhone	192.168.50.55	38:53:9c:85:95:41	4:15:27
macbook	192.168.50.98	a8:66:7f:03:b1:a1	16:02:05
DESKTOP-J4KDB9V	192.168.50.191	f8:e9:03:00:05:48	4:46:12
WITH	192.168.50.13	04:92:26:8b:a1:4d	0:16:48
iPad	192.168.50.229	e0:b5:5f:ce:70:b3	23:53:34
android-ac59402304a01002	192.168.50.189	98:6f:60:a8:21:61	19:56:20
*	192.168.50.72	60:ab:67:da:4e:1c	19:47:28
DESKTOP-IT3PIDR	192.168.50.192	a4:34:d9:0a:35:5c	20:48:01
yubeitekiiPhone	192.168.50.50	3c:2e:ff:dd:02:eb	23:58:49
DESKTOP-VTCGRF7	192.168.50.172	04:d4:c4:5d:c3:6d	20:48:45
petertekiiPhone	192.168.50.193	40:98:ad:8f:1a:c1	23:19:40
tpe-95c015-nb2	192.168.50.48	f8:63:3f:7c:a2:04	20:10:17
IU	192.168.50.243	c0:9a:d0:32:b4:f7	23:02:58

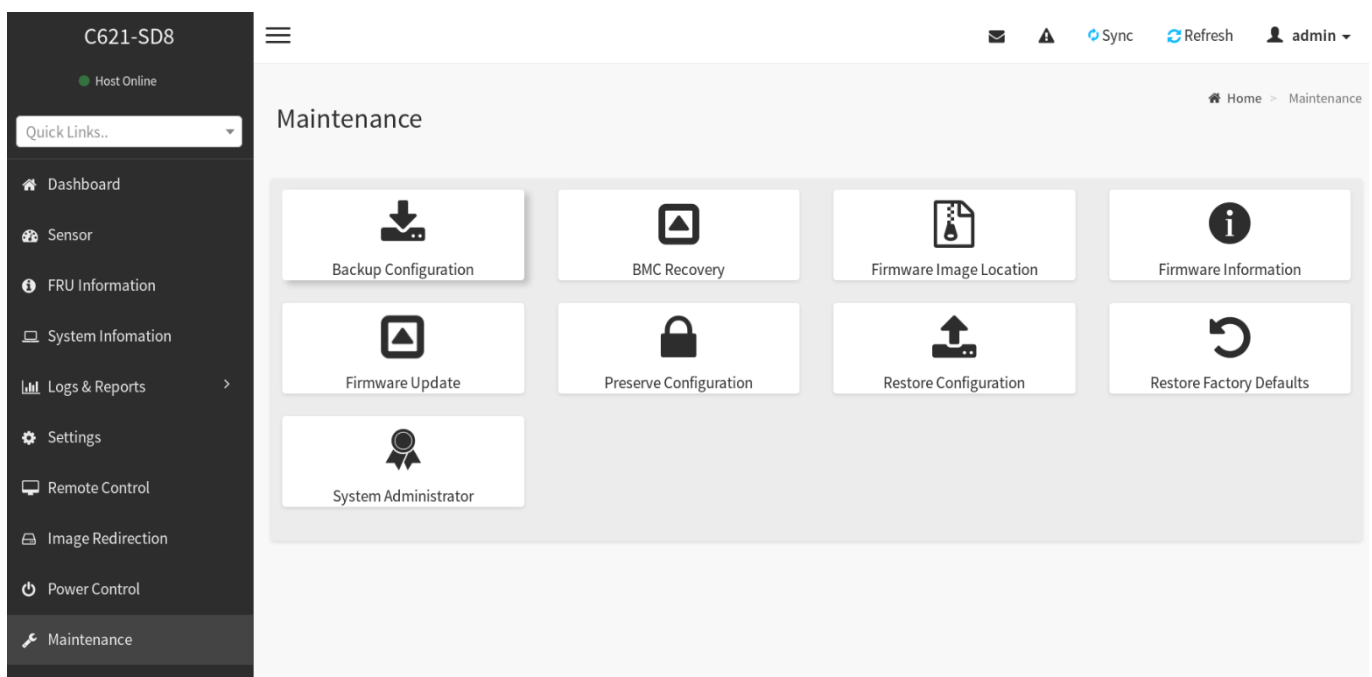
3. And login server (https://your ip adress),please note is https



4. If your BMC Version is 15.01, you need update BMC first.
If not, please go to page 7 and update bios directly.



5. Click “Maintenance” and “Firmware Update”



6. Upload a key.


Uploaded signImage Public Key Info

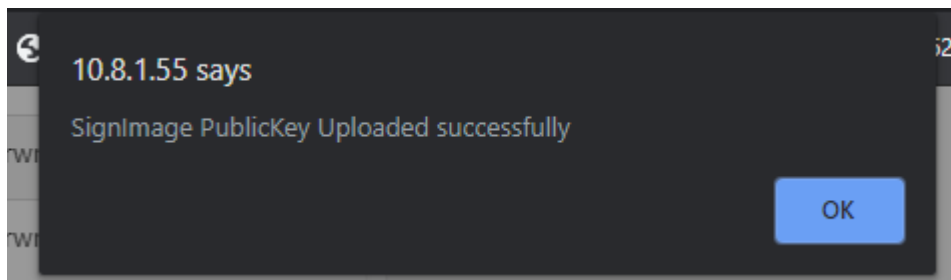
Tue Feb 4 02:30:58 2020

New signImage Public Key

Choose File

public.pem

 Upload



7. Select “Update Type ” to BMC, upload BMC file(*.ima_enc), and then click “Start firmware update”

Select Firmware Image

Choose File

GA-C621-SU8_1.0_F1.4.0_BMC.ima_enc

Start firmware update

8. Select to preserve all configuration or not

Firmware Update

Note:
Following are the Firmware update methods and components supported in this page.
• BMC Firmware update.

Update Type: BMC

Select Firmware Image
Browse... SD8vF2.ima_enc

Start firmware update

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

9. Click "OK"

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?

Cancel OK

5 NETWORK Overwrite

6 NTP Overwrite

7 SNMP Overwrite

8 SSH Overwrite

9 KVM Overwrite

10

11

12

13

Uploaded Fri Dec 28 03:53:42 2018

New signimage Public Key

Browse... No file selected. Upload

Start firmware update

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 only for BMC and BOOT_APP components Firmware update.

10. Select module section “Project Name” to upgrade

13 RSD Overwrite

Uploaded signimage Public Key Info
Fri Dec 28 03:53:42 2018

New signimage Public Key
 No file selected.

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
boot	12.0.000000	12.0.000000	<input type="checkbox"/>
conf	12.0.000000	12.0.000000	<input type="checkbox"/>
bkupconf	12.0.000000	12.0.000000	<input type="checkbox"/>
root	12.0.000000	12.0.000000	<input type="checkbox"/>
osimage	12.0.000000	12.0.000000	<input type="checkbox"/>
www	12.0.000000	12.0.000000	<input type="checkbox"/>
gigabyte	2.0.178614	2.0.178614	<input checked="" type="checkbox"/>

Uploading 100%

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 only for BMC and BOOTAPP components Firmware update.

11. Click “OK”

13 RSD Overwrite

Uploaded signimage Public Key Info
Fri Dec 28 03:53:42 2018

New signimage Public Key
 No file selected.

Section Based Firmware Update
All the module section versions in the existing image and uploaded image is same.

☐ Version Compare Flash ☐ Full Flash

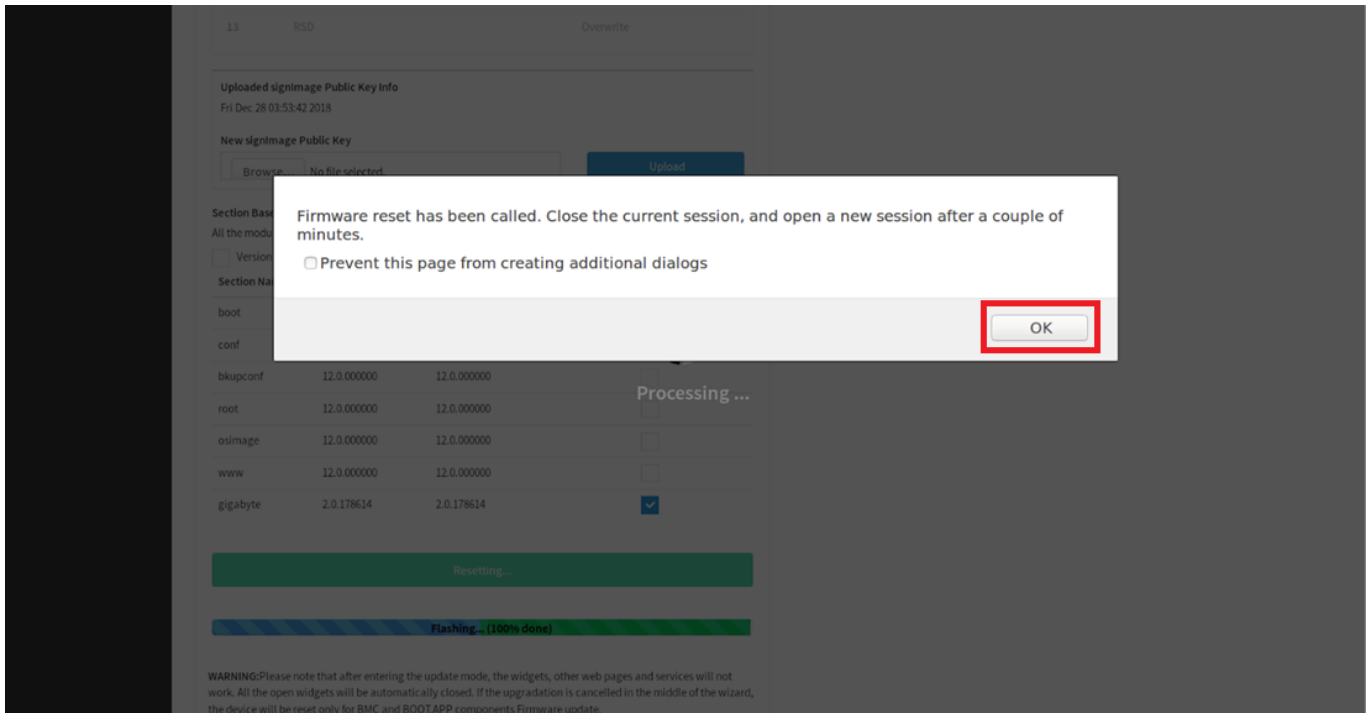
Section Name	Existing version	Uploaded version	Upgradable/Non-Upgradable
boot	12.0.000000	12.0.000000	<input type="checkbox"/>
conf	12.0.000000	12.0.000000	<input type="checkbox"/>
bkupconf	12.0.000000	12.0.000000	<input type="checkbox"/>
root	12.0.000000	12.0.000000	<input type="checkbox"/>
osimage	12.0.000000	12.0.000000	<input type="checkbox"/>
www	12.0.000000	12.0.000000	<input type="checkbox"/>
gigabyte	2.0.178614	2.0.178614	<input checked="" type="checkbox"/>

Uploading 100%

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 only for BMC and BOOTAPP components Firmware update.

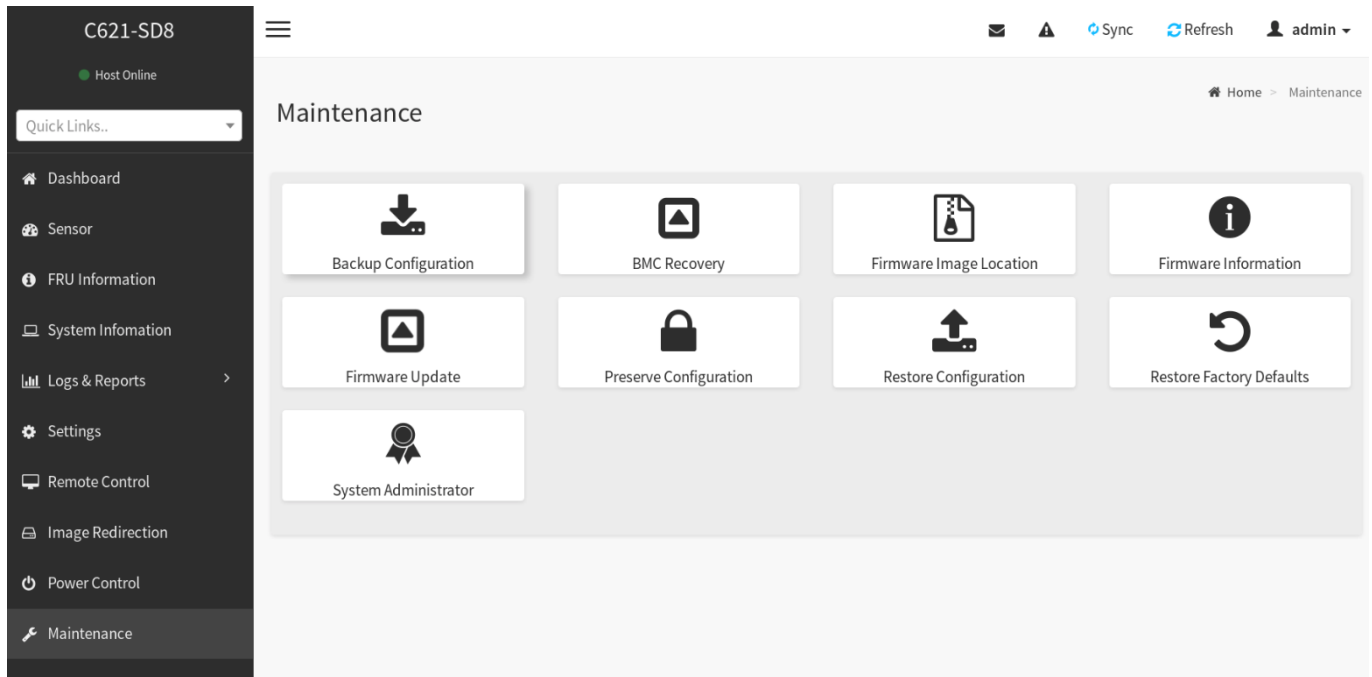
Clicking 'OK' will start the section based upgrade operation of the firmware. Only selected sections of the firmware will be updated. Other sections are skipped.
NOTE: Before starting flash operation, you are advised to verify the compatibility between image sections. Do you wish to proceed?

12. Click “OK”

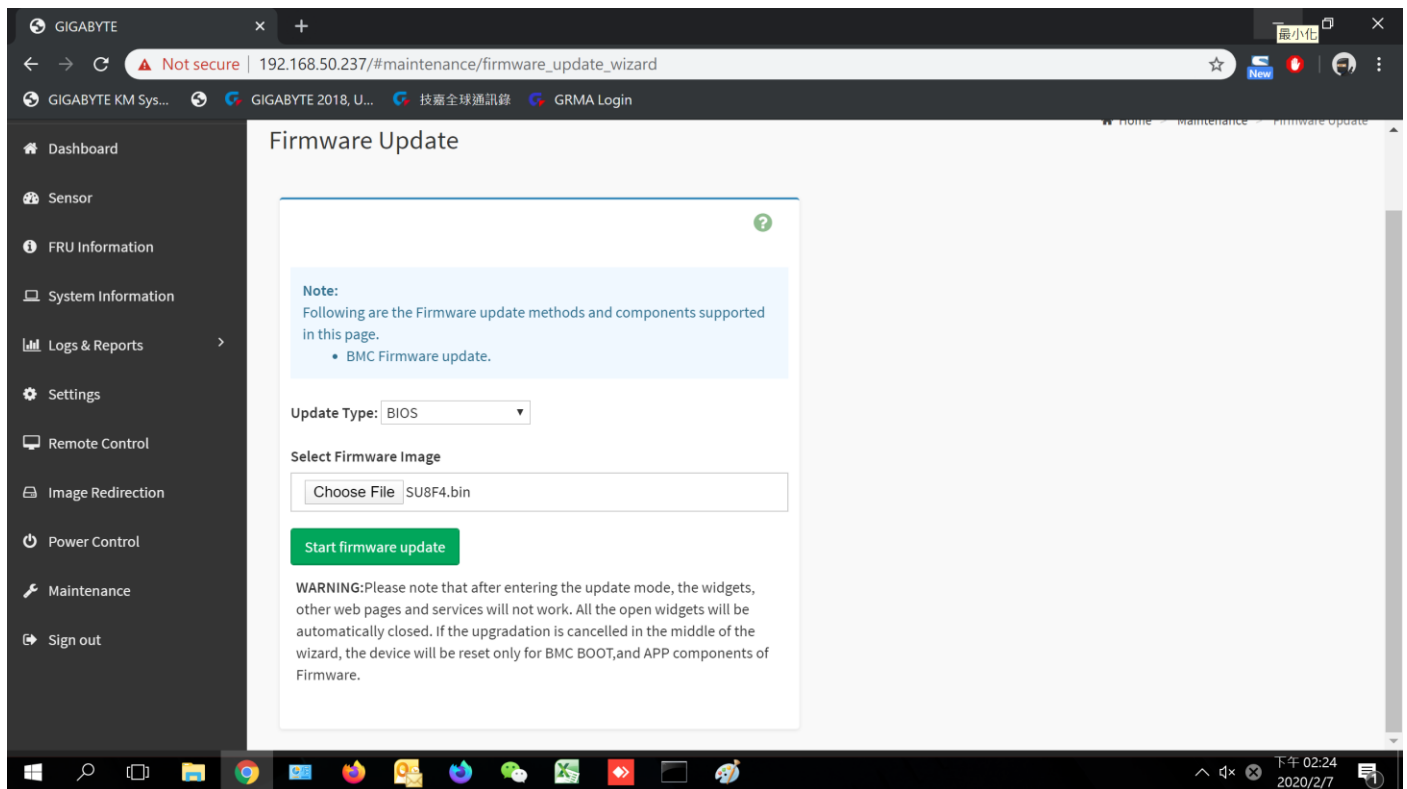


Update Bios

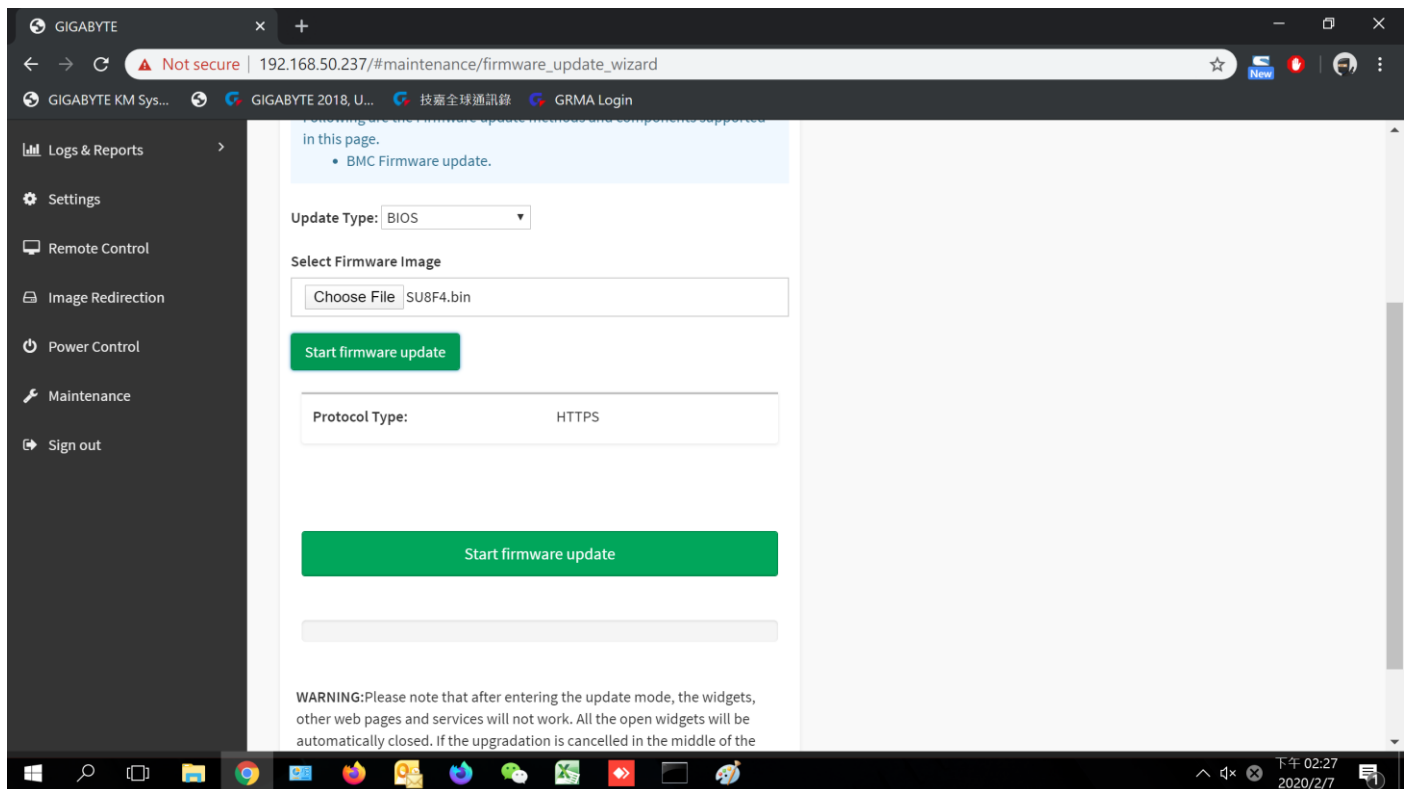
1. if you just update BMC done , please wait BMC restart (Please do not power of or reboot)
2. Click “Maintenance” and “Firmware Update”



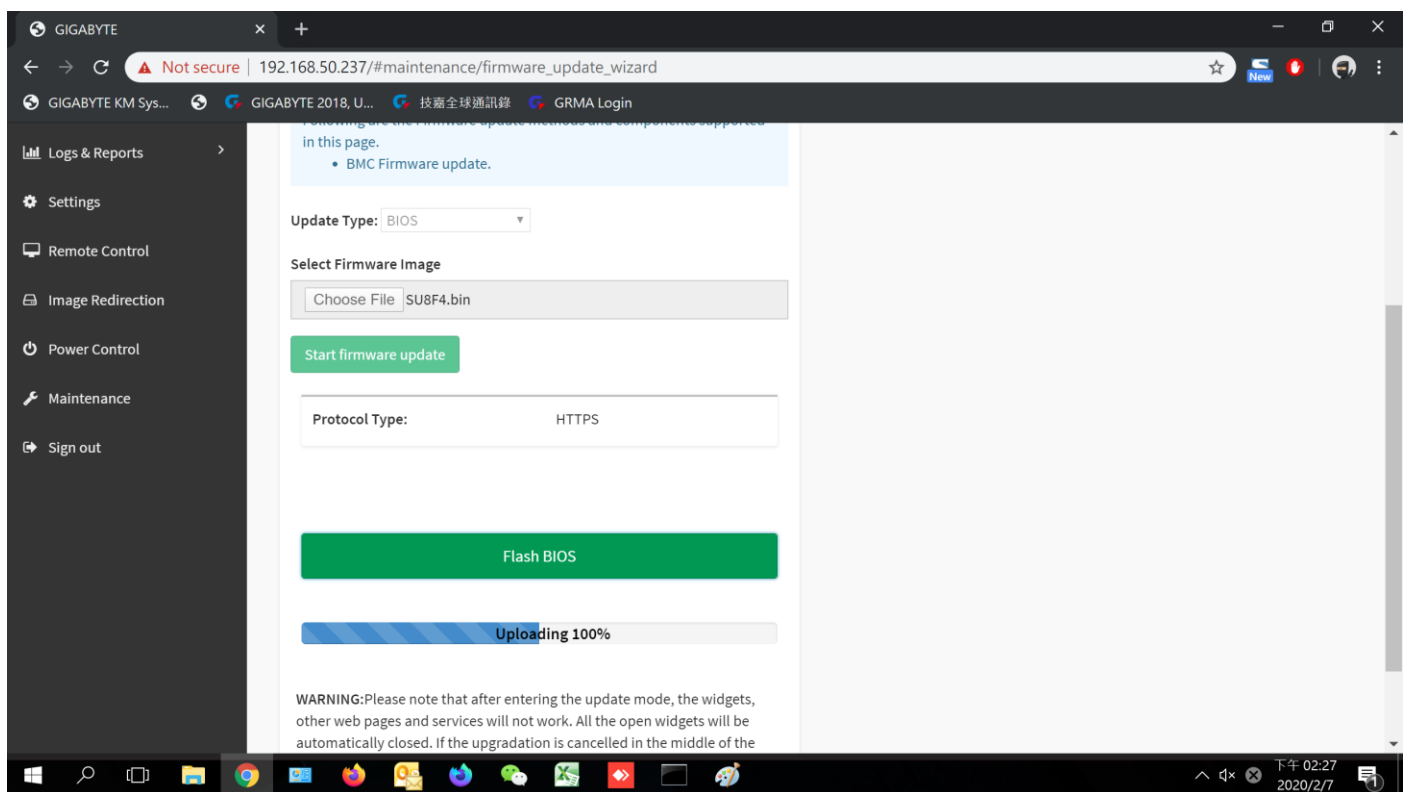
3. Chose file.bin and Update



4. Click start



5. Click Flash



6. Finish, now you can reboot. And boot successful.

You Can use shell update to F5 again.

