

How to rescue Bios when flash fail

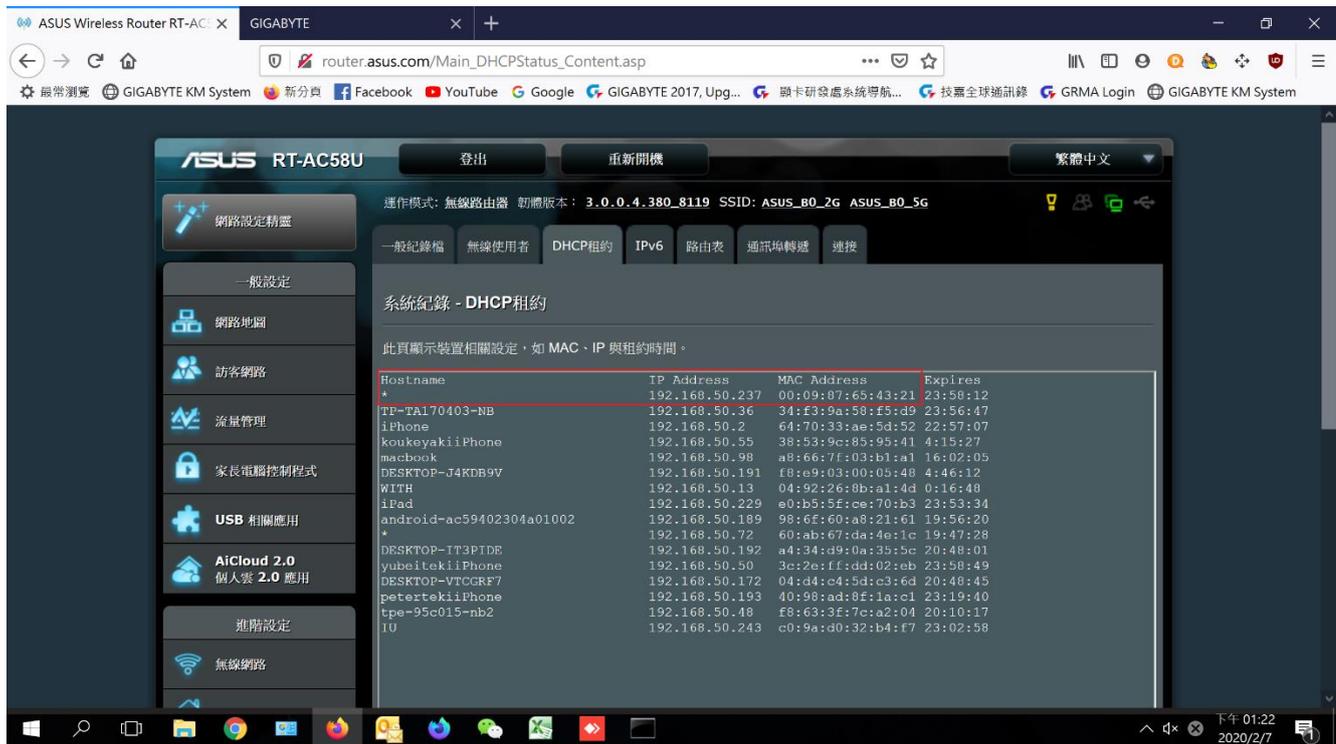
Get in to Web UI.

Need :

One Router or Switch

One PC or NB

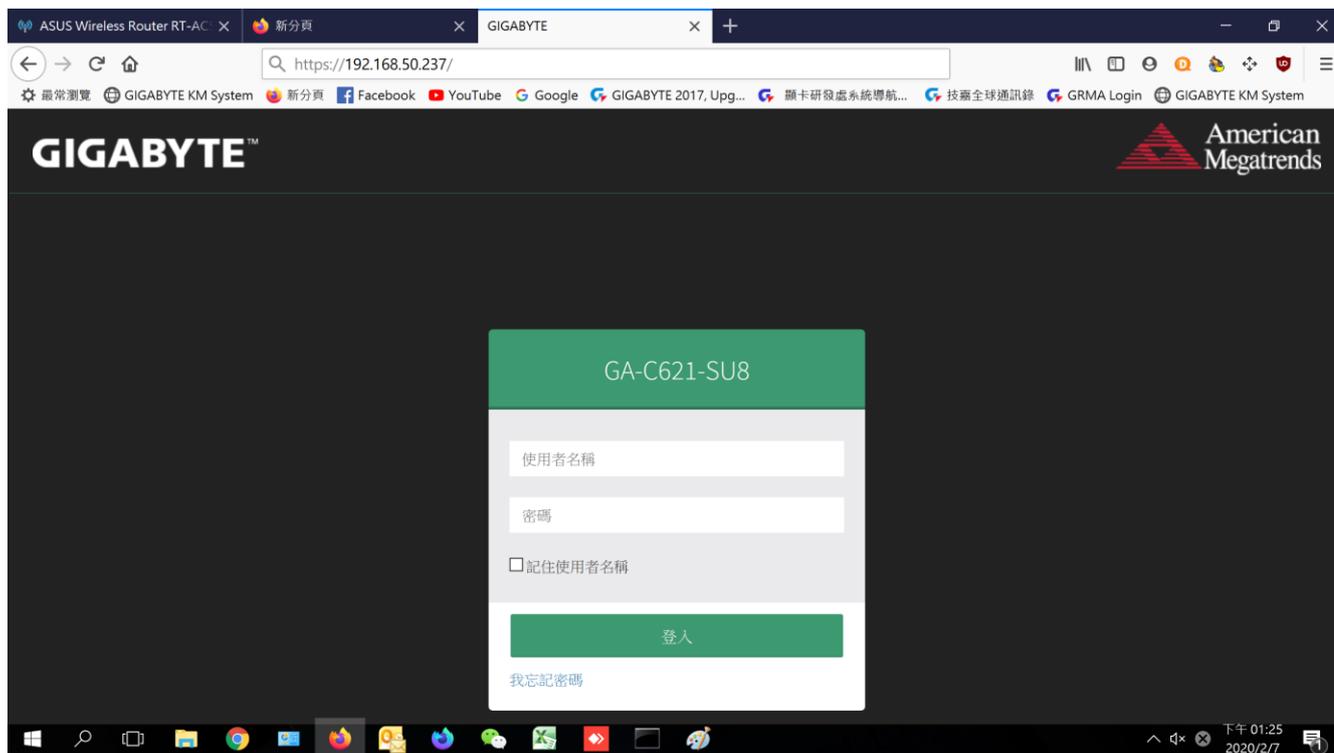
1. Login the router
(run Cmd -> ipconfig
Default gateway is router ip.)
2. And Check serve's Mac address assign which IP address.



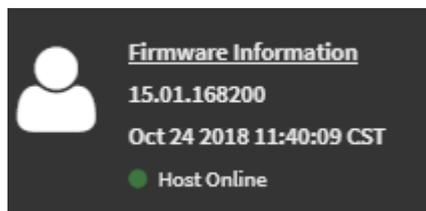
The screenshot shows the ASUS RT-AC58U Web UI. The page title is "ASUS Wireless Router RT-AC58U" and the URL is "router.asus.com/Main_DHCPStatus_Content.asp". The page displays the "DHCP租約" (DHCP Lease) section, which shows a table of DHCP leases. The table has four columns: Hostname, IP Address, MAC Address, and Expires. The table lists several devices and their corresponding IP and MAC addresses, along with the expiration time for each lease.

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
koukoyakiiPhone	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

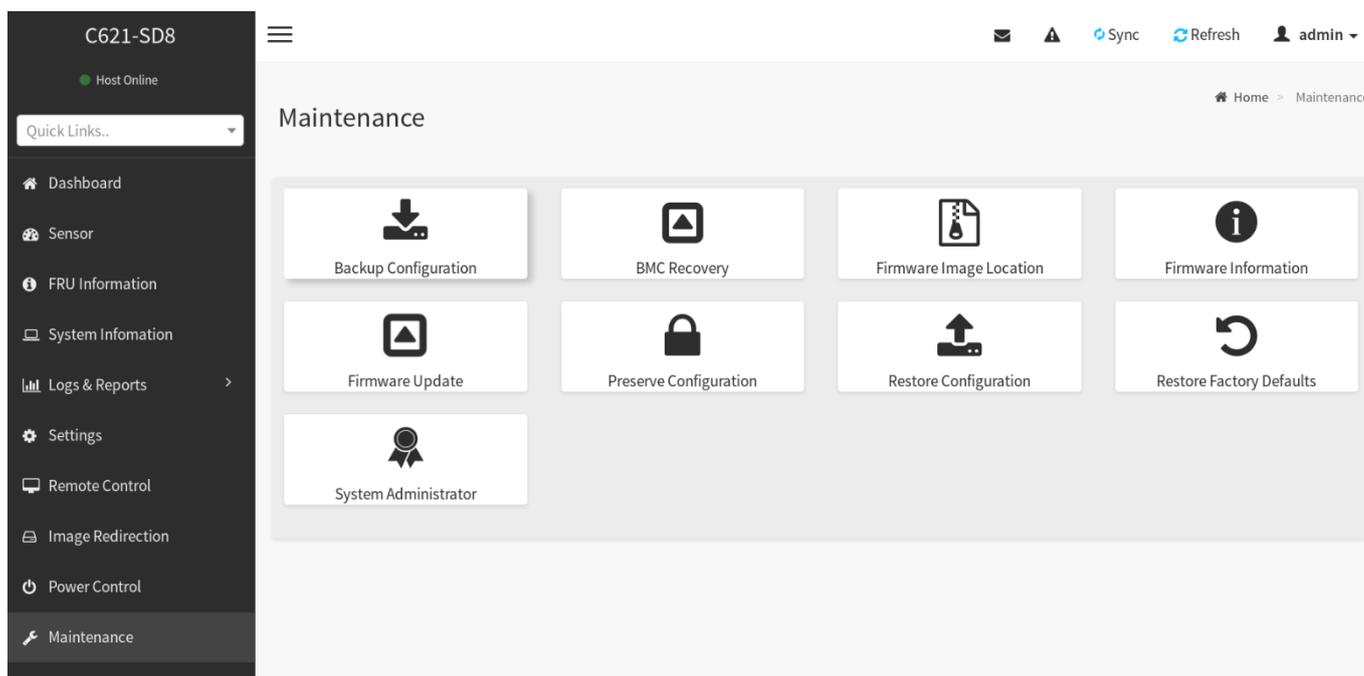
3. And login server (https://your ip address), please note is https



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"

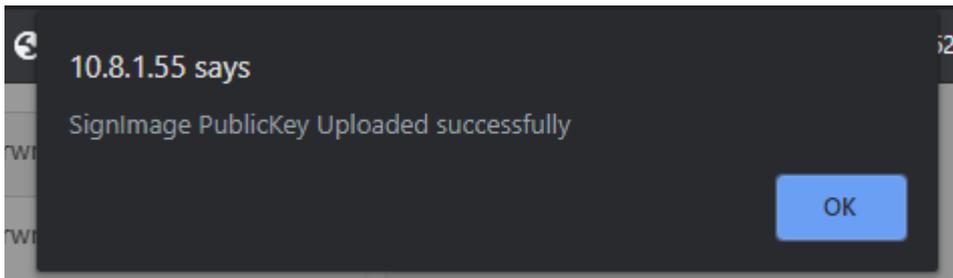


6. Upload a key.

Uploaded signImage Public Key Info
Tue Feb 4 02:30:58 2020

New signImage Public Key

public.pem



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

Select Firmware Image

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

8. Select to preserve all configuration or not

The screenshot shows the BMC Firmware Update interface. On the left is a navigation sidebar with items like Dashboard, Sensor, FRU Information, System Information, Logs & Reports, Settings, Remote Control, Image Redirection, and Power Control. The main content area is titled 'Firmware Update'. It includes a 'Note' about supported update methods, an 'Update Type' dropdown set to 'BMC', and a 'Select Firmware Image' field with a file path 'SD@F2.ima_enc'. Below this is a 'Start firmware update' button. A 'Protocol Type' dropdown is set to 'HTTPS'. A checkbox labeled '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.' is circled in red. Below the checkbox is a table of configuration items to be preserved.

S.No	Preserve Configuration Item	Preserve Status
1	SDR	Overwrite
2	FRU	Overwrite
3	SEL	Overwrite

9. Click "OK"

The screenshot shows a confirmation dialog box overlaid on the firmware update page. The dialog box contains the text: '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?'. There are two buttons: 'Cancel' and 'OK'. The 'OK' button is highlighted with a red rectangle. The background page is dimmed, showing a table of configuration items (NETWORK, NTP, SNMP, SSH, KVM) and a 'Start firmware update' button.

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
Browse... No file selected. Upload

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"/>

Flash selected sections

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 BOOT.APP components Firmware update.

11. Click “OK”

13 RSD Overwrite

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osimage	12.0.000000	12.0.000000	<input type="checkbox"/>
www	12.0.000000	12.0.000000	<input type="checkbox"/>
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Flash selected sections

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 BOOT.APP 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?

Cancel OK

12. Click "OK"

13 RSD Overwrite

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

New signimage Public Key
Browse: No file selected Upload

Section Base
All the modu
Version
Section Na

boot
conf

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

Processing ...

Resetting ...

Flashing - (100% done)

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.

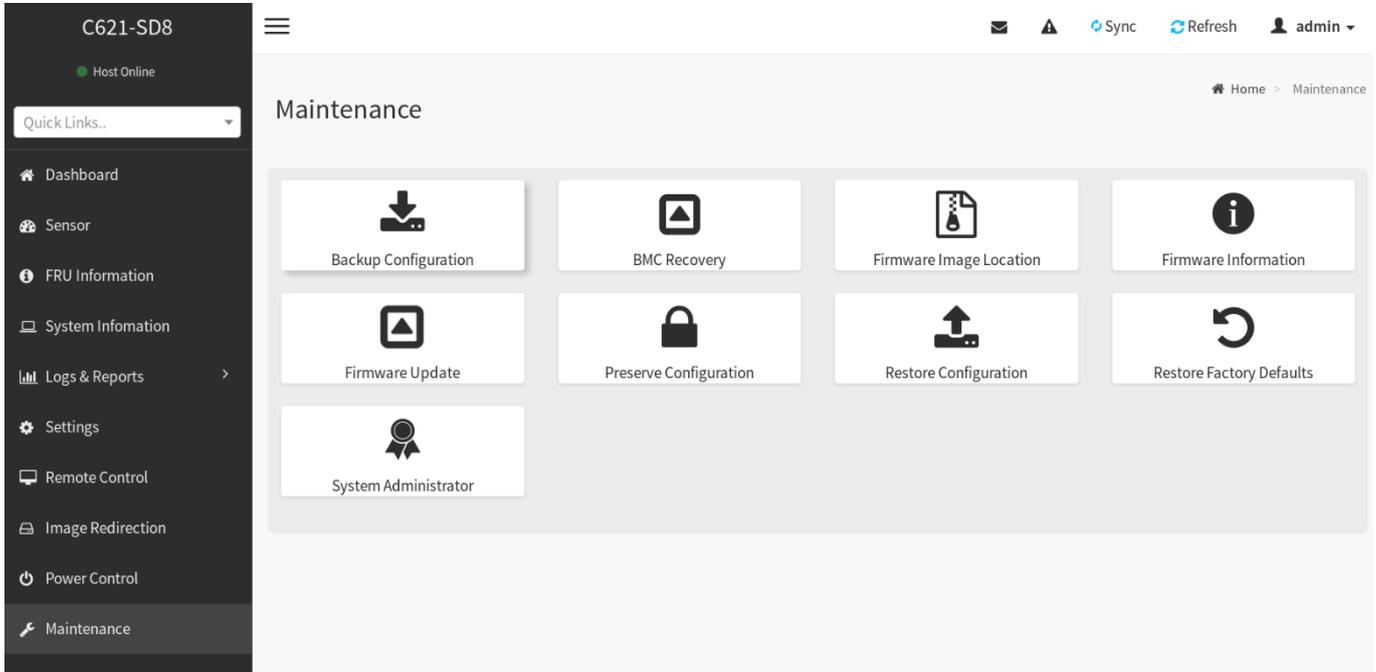
Firmware reset has been called. Close the current session, and open a new session after a couple of minutes.

Prevent this page from creating additional dialogs

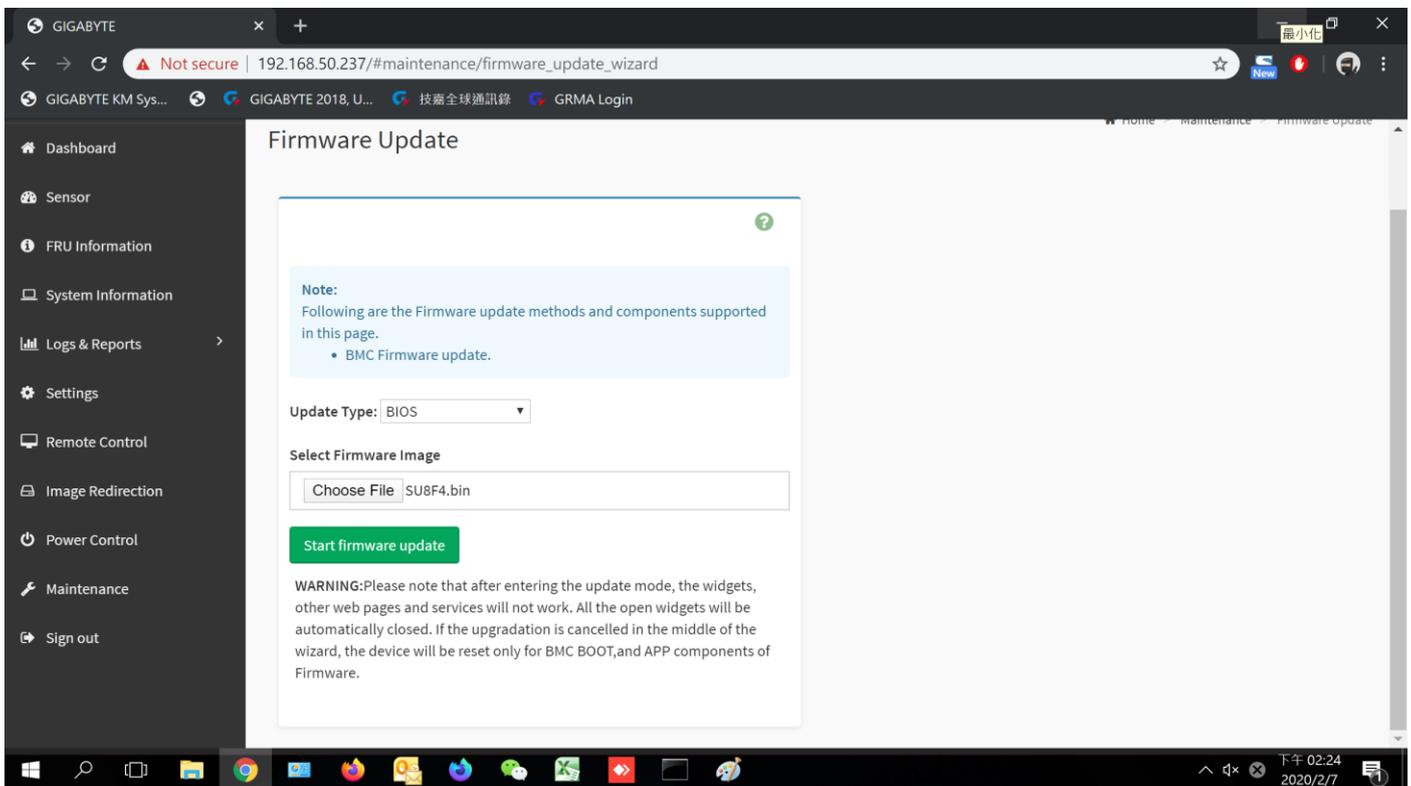
OK

Update Bios

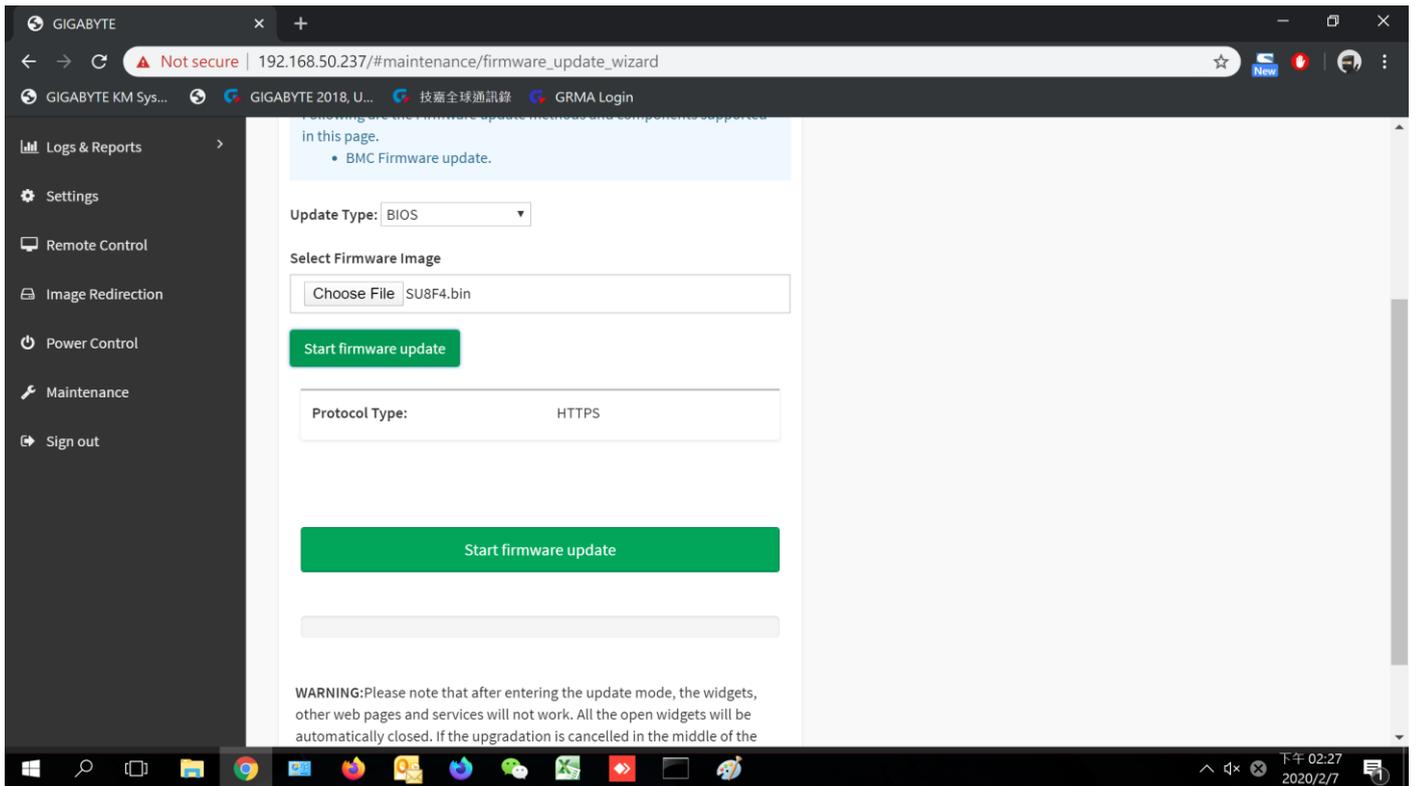
1. if you just update BMC done , please wait BMC restart (Please do not power of or reboot)
2. Click “Maintenance” and “Firmware Update”



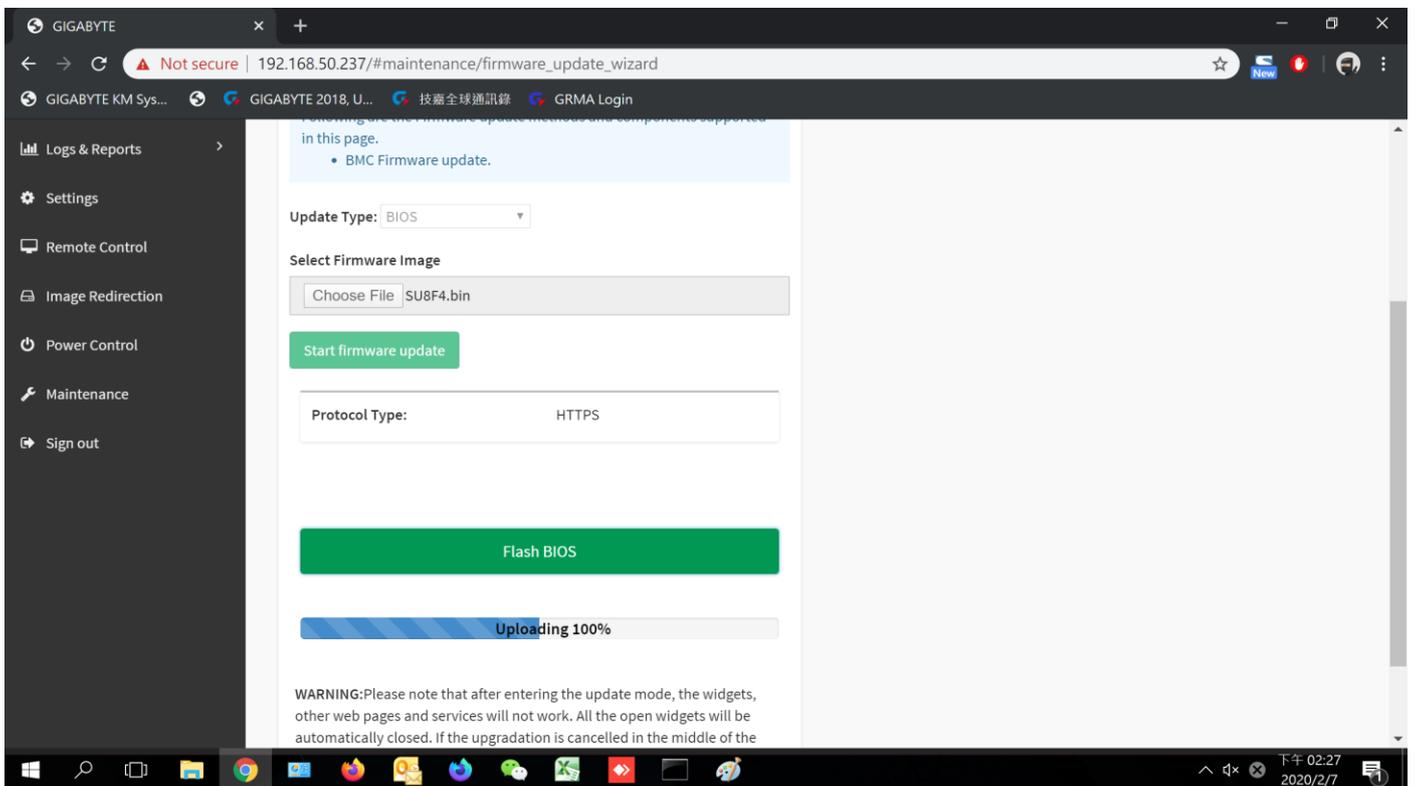
3. Chose file.bin and Update



4. Click start



5. Click Flash



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

You Can use shell update to F5 again.

