
Flash BMC User Guide

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Purpose

This document provides information to use the socflash tools and BMC Web Interface to update the system BMC on the Inspur Grantley platform.

Introduction

SOCFlash is a tool in DOS to update the BMC FW.

BMC(Baseboard Management Controller) Web Interface provides a out of band method to update the system BMC.

Supported Operating System

SOCFlash Tools is supported DOS operating systems:

Operation

Introduce SOCFlash Tools used in DOS , and how to update BMC in BMC web interface.

SOCFlash

1. Start the System, and boot to DOS.
2. Copy the BMC FW to the DOS system.
3. Input CMD : socflash.exe if=BMCFW

BMCFW is the name of BMC Firmware

Example:

```
Microsoft(R) Windows 98  
(C)Copyright Microsoft Corp 1981-1999.
```

```
C:\>socflash.exe if=BMCFW_
```

The BMC FW will be update.

```
Microsoft(R) Windows 98  
(C)Copyright Microsoft Corp 1981-1999.
```

```
C:\>socflash.exe if=BMCFW
```

```
ASPEED SOC Flash Utility v.1.12.03
```

```
Found ASPEED Device 1a03:2400 rev. 30
```

```
Static Memory Controller Information:
```

```
CS0 Flash Type is SPI
```

```
CS1 Flash Type is SPI
```

```
CS2 Flash Type is NOR
```

```
CS3 Flash Type is NOR
```

```
CS4 Flash Type is NOR
```

```
Boot CS is 0
```

```
Option Information:
```

```
CS: 0
```

```
Flash Type: SPI
```

```
[Warning] Don't AC OFF or Reboot System During BMC Firmware Update!!
```

```
[SOCFLASH] Flash ID : 1920c2
```

```
Find Flash Chip #1: MXIC MX25L256/257
```

```
Update Flash Chip #1 O.K.
```

```
Update Flash Chip O.K.
```

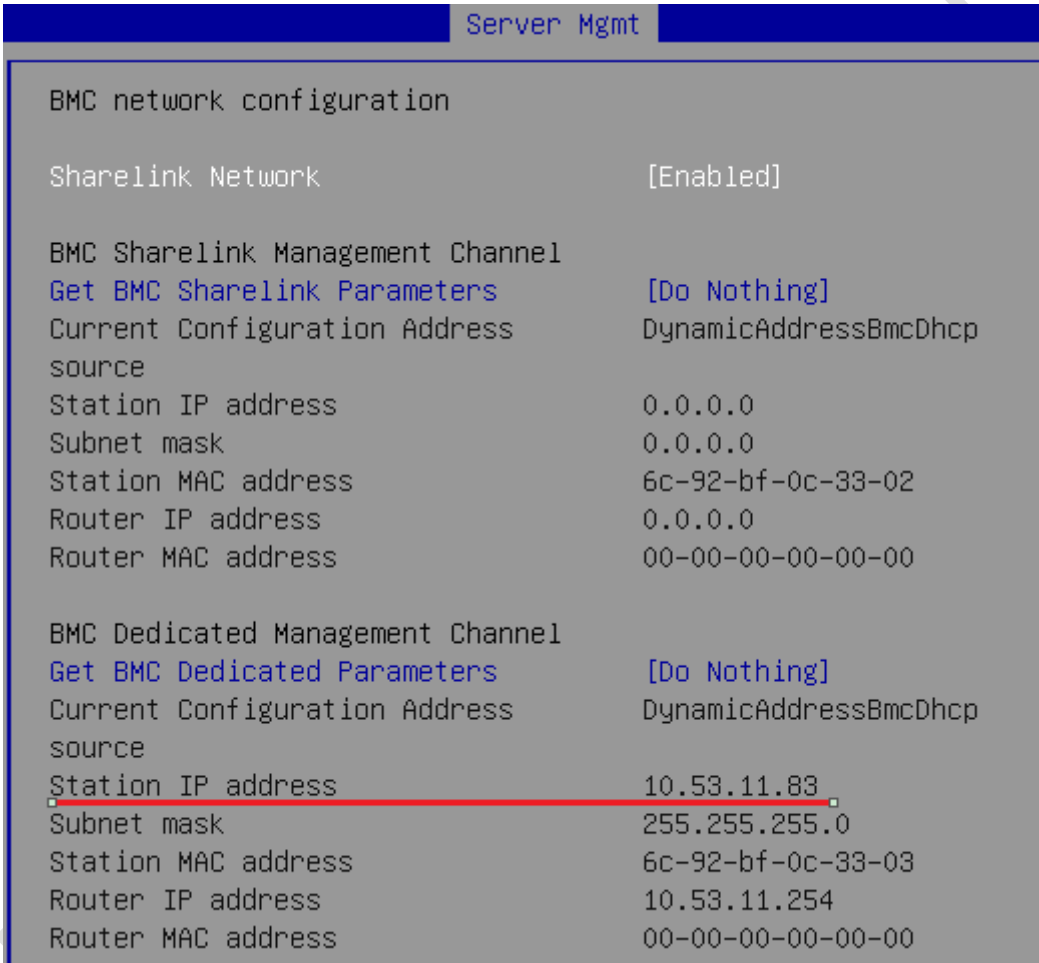
```
C:\>
```

Firmware update successfully, the BMC will reset.

Update BMC in BMC Web Interface

1. Get the BMC Web IP.

Start the System, when the screen appears Inspur Logo, and press to BIOS Setup. Move to “Server Mgmt” Interface, Choose “BMC network configuration”. And press <Enter>. The “Station IP address” will show the BMC Web IP.



```
Server Mgmt
BMC network configuration

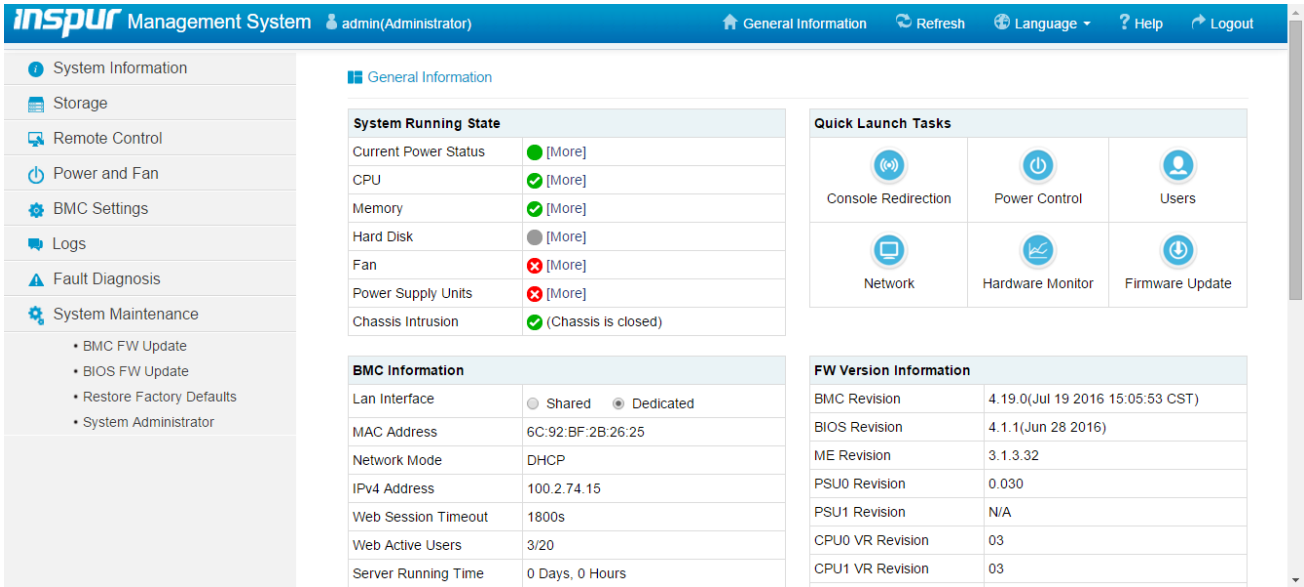
Sharelink Network [Enabled]

BMC Sharelink Management Channel
Get BMC Sharelink Parameters [Do Nothing]
Current Configuration Address DynamicAddressBmcDhcp
source
Station IP address 0.0.0.0
Subnet mask 0.0.0.0
Station MAC address 6c-92-bf-0c-33-02
Router IP address 0.0.0.0
Router MAC address 00-00-00-00-00-00

BMC Dedicated Management Channel
Get BMC Dedicated Parameters [Do Nothing]
Current Configuration Address DynamicAddressBmcDhcp
source
Station IP address 10.53.11.83
Subnet mask 255.255.255.0
Station MAC address 6c-92-bf-0c-33-03
Router IP address 10.53.11.254
Router MAC address 00-00-00-00-00-00
```

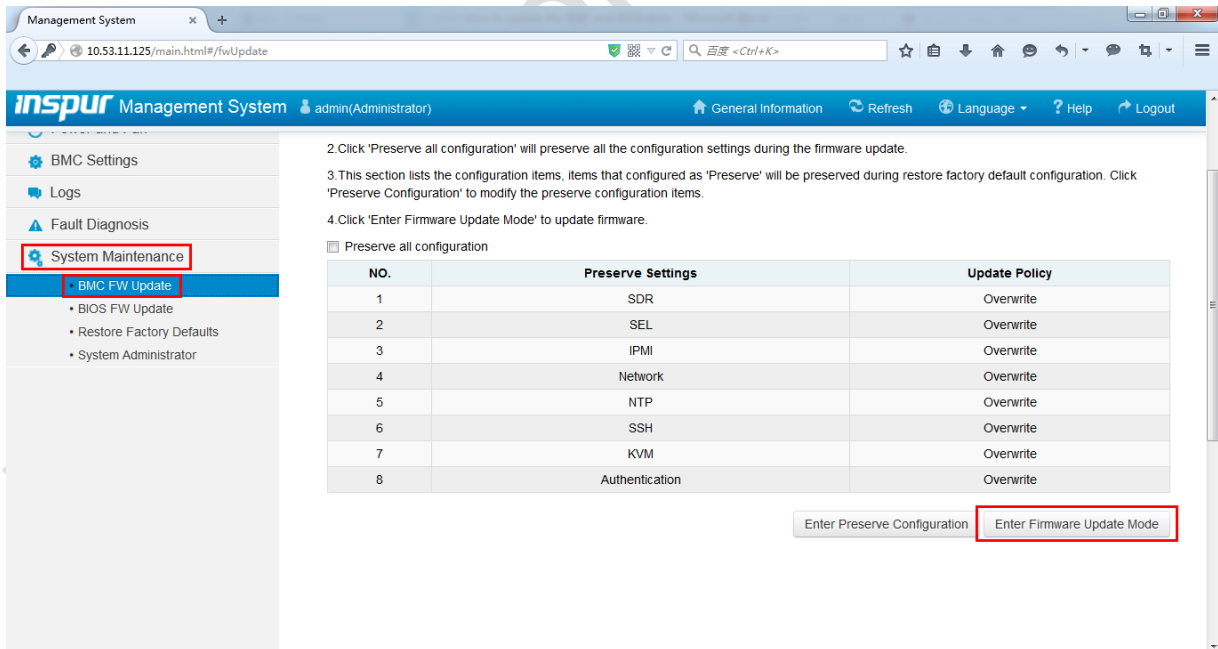
2. Login in BMC Web

Start IE, type the BMC IP in the address bar, and Type the user name and password (admin/admin). The BMC Web interface is shown below.



3. BMC FW Update

Choose “BMC FW Update” in the “System Maintenance” on the left menu of the BMC Web.



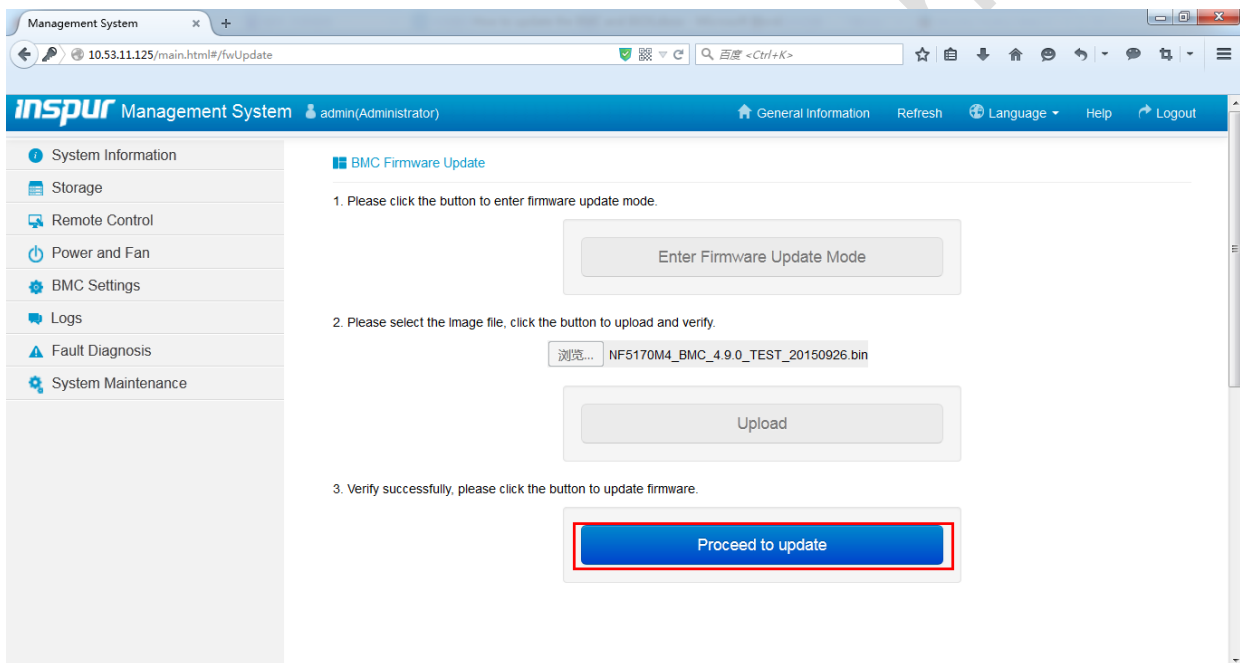
Please note:

1. After entering update mode widgets, other web pages and services will not work. All open widgets will be closed automatically. If upgrade process is cancelled in the middle of the wizard, the device will reset.

2. Click 'Preserve all configuration' will preserve all the configuration settings during the firmware update.

3. This section lists the configuration items, items that configured as 'Preserve' will be preserved during restore factory default configuration. Click 'Preserve Configuration' to modify the preserve configuration items.

4. Click 'Enter Firmware Update Mode' to update firmware.



Step 1. Please click the button to enter firmware update mode.

Step 2. Please select the Image file, click the button to upload and verify.

Step 3. Verify successfully, please click the button to update firmware.

Step 4. Firmware update successfully, please open a window to login.

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