

IX8B BMC FW Upgrade Procedure – Linux Server

BMC Version: 3.02

On the BES switch:

1. Log into the Admin user on the switch
2. Enter “show version” and confirm that the BES switch is running EFOS release 3.4.4.4 or later.
3. Enter “show environment”

Find the line:

Baseboard Management Controller IP Address..... aa.bb.cc.dd

Record the IP address of the BMC: aa.bb.cc.dd. It will be needed in step 8.

4. Enter “devshell binsh” to gain access to the Linux shell.
5. Type the following command to reset the BMC password:

```
ipmitool user set password 2 <8_char_password>
```

This sets the BMC password to 8_char_password. Record this password. It will be needed in step 8. This password must be different than the current password or the command will fail.

On the Linux server:

6. On a linux server unzip the contents of the "IX8 BMC FW 3.02 Upgrade.zip" . A **IX8B_BMC_PVT_3.02** directory should exist.
7. Cd to IX8B_BMC_PVT_3.02/install
8. Type the following commands to start the BMC FW upgrade:

```
./linux_oob.sh <aa.bb.cc.dd> qct.admin <8_char_password >
```

```
BMC firmware image: ix8b_rom_v3.02.00-f2a0856.ima_enc
```

```
Linux x86_64 Environment
```

```
Creating IPMI session via network with address aa.bb.cc.dd...Done
```

```
-----  
YAFUFlash - Firmware Upgrade Utility (Version 4.16.13)  
-----
```

```
(C)Copyright 2013, American Megatrends Inc.  
The Module boot size is different from the one in the Image  
Continuing with Full Firmware Update
```

```
*****  
WARNING!  
    FIRMWARE UPGRADE MUST NOT BE INTERRUPTED ONCE IT IS STARTED.  
    PLEASE DO NOT USE THIS FLASH TOOL FROM THE REDIRECTION CONSOLE.  
*****  
Preserving Env Variables... done  
Uploading Firmware Image : 100%... done  
Flashing [boot] Module ....
```

```
Flashing Firmware Image : 100%... done
Verifying Firmware Image : 100%... done
Flashing [conf] Module ....
Flashing Firmware Image : 100%... done
Verifying Firmware Image : 100%... done
Flashing [bkupconf] Module ....
Flashing Firmware Image : 100%... done
Verifying Firmware Image : 100%... done
Flashing [root] Module ....
Flashing Firmware Image : 100%... done
Verifying Firmware Image : 100%... done
Flashing [osimage] Module ....
Flashing Firmware Image : 100%... done
Verifying Firmware Image : 100%... done
Flashing [www] Module ....
Flashing Firmware Image : 100%... done
Verifying Firmware Image : 100%... done
Flashing [ast2500e] Module ....
Flashing Firmware Image : 100%... done
Verifying Firmware Image : 100%... done
Setting Env variables... done
Resetting the firmware.....
```

On the BES switch:

9. In the Linux shell: Type the following command to verify the BMC FW version:

```
ipmitool mc info
```

```
Firmware Revision : 3.02
```

10. Type the following command to change the default BMC password:

```
ipmitool user set password 2 <chosen_PW>
```

```
<chosen_PW> must be at least 8 characters in length
```

If the BMC default password is not changed any future BMC FW upgrades may fail.

11. Type exit to leave the linux shell