

# IX8B BMC FW Upgrade Procedure – USB drive

BMC Version: 3.02

1. Use a USB flash drive formatted using FAT filesystem. Unzip the contents of the "IX8 BMC FW 3.02 Upgrade.zip" into a USB Flash Drive. Make sure that the IX8B\_BMC\_PVT\_3.02 folder is the only folder on the USB flash drive at the top level. It should look like: **D:\IX8B\_BMC\_PVT\_3.02**
2. Insert the USB Flash Drive into the USB port provided on the BES-53248 switch platform.
3. Log into the Admin user on the switch
4. Enter "show version" and confirm that the BES switch is running EFOS release 3.4.4.4 or later.
5. Enter "devshell binsh" to gain access to the Linux shell
6. Type the following command to reset the BMC password:

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

This sets the BMC password to an 8 character password in case a previous BMC FW version required a logon password change has not been performed yet. This password must be different than the current password or the command will fail. The BMC logon password will be required to be reset again later in this process.

7. Type the following commands to start the BMC FW upgrade:

1. `cd /media/usb-storage/IX8B_BMC_PVT_3.02/install`
2. `./linux.sh`

The BMC firmware install will start.

As the BMC upgrade process proceeds EFOS messages are expected, example:

```
<187> Mar 24 13:04:44 dhcp-10-27-65-109-1 BOXSERV[boxs_Req]: boxs.c(1268) 999 %% ERR Unit 1 fan 5 FAILURE event (4) occurred.
```

The following FW upgrade progress will be presented:

```
*****
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.....
```

8. Type the following command to verify the BMC FW version:

```
ipmitool mc info
```

```
Firmware Revision : 3.02
```

9. 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.
```

10. Type exit to leave the linux shell

11. It is safe to remove the USB drive from the switch