

HP Integrity Server - How to use SAUPDATE EFI Utility from the ILO Virtual Media

Information

The **SAUPDATE.EFI** utility is used in order to show and update the firmware on SAS controllers like the P400, P800, P700, P410 etc.

One of the main uses in the new BL8x0C i2 server is to change the P410 built in controller from HBA to RAID mode.

Details

This is an offline utility and most of the time the files are transmitted to the server using a USB key however if the ILO is configured the ILO virtual media feature can be used.

1. Get the offline diagnostics CD.
 - a. Go to the web link mentioned below:
[Click here to visit the software.hp.com](http://www.software.hp.com) at <http://www.software.hp.com>.
 - b. Search for **IPF Offline Diagnostic CD** .
 - c. Locate the latest IPF Offline Diagnostics and Utilities CD-ROM and follow the instructions on how to obtain the CD.
2. Decompress the file in order to get the ISO image and mount it as virtual media.
 - a. Browse the ILO GUI ip address and go to the **Virtual Media** tab.
 - b. Click **Launch** .
 - c. Select Local image file and browse to the iso image and mount it.
3. Now the iso image will be recognized as an usb file partition on the EFI and all the utilities can be used.

If the EFI utility is not located in the root directory, move to the directory where the file is located, for example:

```
fs0:\>cd \EFI\HP\TOOLS\IO_CARDS\SmartArray
```

Now the utility can be used, this is an example in order to change a P410i controller from HBA mode to Raid mode:

```
fs0:\EFI\HP\TOOLS\IO_CARDS\SmartArray> saupdate get_mode all
```

The controller at 0:2:0:0 is in HBA mode:

```
fs0:\EFI\HP\TOOLS\IO_CARDS\SmartArray> saupdate set_mode 0:c2:0:0 RAID
```

WARNING: Changing controller mode could result in DATA LOSS!!!

Key in **YES** to continue or **NO** to quit: yes.

Changing mode of the controller at 0:C2:0:0 to RAID. Resetting and reinitializing controller, it may take several minutes Controller mode change successful.