

How to install scsi-hpvsa-5.5.0-88 to ESXi 6 on HP Microserver Gen8

<https://homeservershow.com/forums/topic/9141-low-io-performance-with-esxi-60/?page=9&tab=comments#comment-103399>

AlexS



(if another scsi-hpvsa-driver is installed)

You can check the version of the installed scsi-hpvsa drivers with the following command

```
esxcli software vib list | grep scsi
```

```
~ # esxcli software vib list | grep scsi
...
scsi-hpsa          5.5.0.124-1OEM.550.0.0.1331820      HPE           VMwareCertified  2018-04-10
scsi-hpdsa        5.5.0.52-1OEM.550.0.0.1331820      Hewlett-Packard PartnerSupported  2018-04-10
scsi-hpvsa        5.5.0-88OEM.550.0.0.1331820      Hewlett-Packard PartnerSupported  2018-04-10
scsi-mpt2sas      15.10.06.00.1vmw-1OEM.550.0.0.1198610 LSI           VMwareCertified  2018-04-10
scsi-bfa          3.2.6.0-1OEM.550.0.0.1331820      QLogic        VMwareCertified  2018-04-10
scsi-bnx2fc       1.713.20.v55.4-1OEM.550.0.0.1331820 QLogic        VMwareCertified  2018-04-10
scsi-bnx2i        2.713.10.v55.3-1OEM.550.0.0.1331820 QLogic        VMwareCertified  2018-04-10
scsi-qla4xxx      644.55.37.0-1OEM.550.0.0.1331820   QLogic        VMwareCertified  2018-04-10
...
```

Follow this Procedure:

1. Stop all VMs
2. Enable ssh-connection
3. Copy "scsi-hpvsa-5.5.0-88OEM.550.0.0.1331820.x86_64.vib" to /tmp (using WinSCP)
4. Start ssh-connection (using putty)
5. change directory to /tmp

```
cd /tmp
```

6. Copy the vib file to /var/log/vmware

```
cp scsi-hpvsa-5.5.0-88OEM.550.0.0.1331820.x86_64.vib /var/log/vmware/
```

7. Start Maintenance Mode

```
esxcli system maintenanceMode set --enable true
```

8. Uninstall the running scsi-hpvsa driver

```
esxcli software vib remove -n scsi-hpvsa -f
```

9. Install scsi-hpvsa-5.5.0-88

```
esxcli software vib install -v file:scsi-hpvsa-5.5.0-88OEM.550.0.0.1331820.x86_64.vib --force --no-sig-check --maintenance-mode
```

10. Restart ESXi, stop Maintenance Mode, disable ssh (if needed) and start VMs again

You can test the speed of your changes with the commands:

```
cd /vmfs/volumes/[datastore]
time dd if=/dev/zero of=tempfile bs=8k count=1000000
```

Don't forget to change **[datastore]** with you real DataStore name.

Example:

HP Microserver Gen8 (G2020T)

Installed **VMware-ESXi-5.5.0-Update3-3568722-HPE-550.9.6.5.9-Dec2016.iso**

Driver version - **scsi-hpvsa-5.5.0.100-1OEM.550.0.0.1331820**

Speed test result:

```
1000000+0 records in
1000000+0 records out
real    14m 12.62s
user    0m 12.23s
sys     0m 0.00s
```

Current driver was uninstalled driver and changed to version:

scsi-hpvsa-5.5.0-88OEM.550.0.0.1331820

Speed test result:

```
1000000+0 records in
1000000+0 records out
real    2m 6.73s
user    0m 5.21s
sys     0m 0.00s
```

7 Times Faster !!!