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Supported RAID Controllers and Server Hardware in VEOS 8.x



If your controller is not supported, you may still be able to load drivers using [Installing driver updates](#).

1. Supported Drivers in the VEOS 8.x Kernel

RAID / SAS / Storage:

- aacraid — Adaptec / Dell PERC (early generations), HP NetRAID, ICP Vortex.
- megaraid_sas — Broadcom / LSI MegaRAID (including Dell PERC 5/6/7/8).
- mpt3sas — LSI Fusion-MPT SAS-2 / SAS-3 controllers.
- mpi3mr — Broadcom Tri-Mode RAID/HBA (current generations).
- hpsa — HPE Smart Array (class 0x0104, including old and modern models).
- smartpqi — HPE Smart Array Gen10+ and SmartHBA.
- lpfc — Emulex LightPulse Fibre Channel.
- qla2xxx — QLogic Fibre Channel (all major generations).
- qla4xxx — QLogic iSCSI HBA.

iSCSI Offload:

- be2iscsi — Emulex OneConnect iSCSI Offload.

(Network drivers be2net/BE2/BE3 are NOT included in VEOS — BladeEngine 2/3 NICs are unsupported.)

2. Supported RAID Controllers and HBAs

2.1 Adaptec / Dell PERC (aacraid)

Supported:

- Adaptec AAC-RAID ASR series
- Dell PERC 2/3/Si/Di
- HP/Compaq NetRAID
- ICP Vortex RAID

(All PCI-IDs are included in the aacraid module.)

2.2 Broadcom / LSI MegaRAID SAS (megaraid_sas)

Supported:

- LSI SAS1078 / SAS1078DE
- Dell PERC 5/6/7/8
- MegaRAID 2108 / 2208 / 3108 / 3408 and others

(The module covers the full stack of modern MegaRAID controllers.)

2.3 LSI Fusion-MPT SAS (mpt3sas)

Supported SAS-2 / SAS-3:

- SAS2004
- SAS2108
- SAS2116
- SAS2308
- SAS3008
- SAS3408 / SAS3508

2.4 Broadcom Tri-Mode (mpi3mr)

All modern PCI-IDs for Tri-Mode RAID/HBA are supported.

2.5 HPE Smart Array (hpsa)

Fully supported:

- Smart Array P-Series (P212, P410, P420, P440, etc.)
- Smart Array Gen9 / Gen10
- Older Compaq SA (class 0x0104)
- Modular RAID

2.6 SmartPQI (smartpqi)

Supported:

- Smart Array Gen10+
- HPE SmartHBA (P8xx/P9xx)
- Adaptec SmartRAID / SmartHBA

2.7 Fibre Channel

Emulex (lpfc):

All generations supported:

- DragonFly, Neptune, Thor, Falcon
- LPe11000 / LPe12000 / LPe16000 / LPe31000 / LPe32000

QLogic (qla2xxx / qla4xxx):

Supported:

- ISP2100 → ISP8432
- QLE8xxx / QLE10xxx
- QLogic iSCSI: ISP8022, 8324, 8042, 8044

3. Network Adapters

3.1 Only iSCSI Offload is Supported

- Emulex OneConnect iSCSI (be2iscsi)

4. Supported Server Platforms

Confirmed by the set of included VEOS kernel drivers:

- Dell PowerEdge (PERC / LSI / Broadcom)
- HPE ProLiant (Smart Array, SmartPQI, HBA)
- Supermicro (LSI/Broadcom SAS/SATA stack)
- IBM / Lenovo (ServeRAID, MegaRAID)
- All servers based on Intel Xeon and AMD EPYC