

### Official firmware/driver & notes (handy links)

- Broadcom/LSI MegaRAID 5.x/6.x firmware history (covers 9340/9361 families). [Broadcom](#)
- Where to find latest Broadcom MegaRAID software/drivers. [Broadcom](#)
- Dell PERC H740P firmware package **51.16.0-4076** (current as of Dell page). [Dell](#)
- Dell Windows Server **2025** PERC driver **7.730.02.00** (H740P/H840/H7xx/H7x5/H75x/H35x). [Dell](#)
- HPE Smart Array P408i-a firmware package (Gen10 controllers) + release notes. [HPE Support+1](#)
- Intel VROC release notes (Windows v8.0 series; ESXi driver **9.0.0.1021**). [downloadmirror.intel.com+1](#)
- LSI 9361-8i firmware (example Dell-hosted package **24.3.0-0049**). [Dell](#)
- Broadcom MSM/MegaCLI/storcli download hub (tools you'll use for screenshots + versions). [Broadcom](#)
- (Bonus) HPE iLO Gen10 firmware guide noting Smart Array status fixes—useful when correlating array health in screenshots. [HPE Aruba Networking](#)

**“Raw RAID notes” — checklist to capture for each run**

- **Platform:** chassis, backplane, BIOS/UEFI rev, CPU, RAM, PCIe slot/width, power profile.
- **Controller/VROC:** model, cache size/type, **firmware** (exact package), **driver** (module + version/build), battery/CacheVault status, readahead/write policy.
- **Array config:** RAID level, stripe/chunk size, number of drives, drive model/firmware, secure erase/TRIM state, initialization (BGI/CC/rebuild idle).
- **OS stack:** kernel/build, scheduler, NVMe/megaraid\_sas/hpsa/vroc versions, multipath/offload settings, filesystems and mount options.
- **Workloads:** tools/versions (fio, vdbench, diskspd), block sizes, queue depths, runtime, warmup, threads, alignment, direct I/O vs buffered.
- **Metrics:** seq R/W MB/s; rand 4K/QD1 & QD32 IOPS; average/99th latency; CPU utilization; cache hit % (if available); thermals.
- **Health/events:** SMART before/after, CC/BGI status, patrol read, error counters.
- **Screenshots filenames:** tie each to the row in the log (e.g., `2025-09-07_H740P_RAID10_8xSAS_WB.png`).

### **Screenshots to grab every time**

- Controller summary (MSM/SSA/VROC GUI) showing **firmware, cache policy, battery, and driver**.
- Array properties panel (RAID level, stripe size, read/write policy).
- Background tasks (BGI/CC/rebuild) status page.
- OS device view:
  - Linux: `lspci -nn, uname -a, modinfo megaraid_sas|hpsa|vmd, storcli show all / ssacli ctrl all show config`.
  - Windows: Device Manager → Storage controllers + Driver Details; `Get-PhysicalDisk, Get-Volume`.
- Benchmark tool output (fio/diskspd) including the **full command line**.

### **How to fill the driver/firmware fields quickly**

- **Broadcom/LSI (9361-8i):** use `storcli /c0 show all` and cross-check versions with Broadcom's firmware history & Dell's package page. [BroadcomDell](#)
- **Dell PERC H740P:** `perccli /c0 show` or iDRAC; compare to Dell's 51.16.0-4076 page & Server 2025 driver page. [Dell+1](#)
- **HPE P408i-a:** `ssacli ctrl slot=0 show detail` and HPE package notes. [HPE Support+1](#)
- **Intel VROC:** UEFI VROC page or Windows VROC GUI "About"; align with Intel's Windows/ESXi release notes.