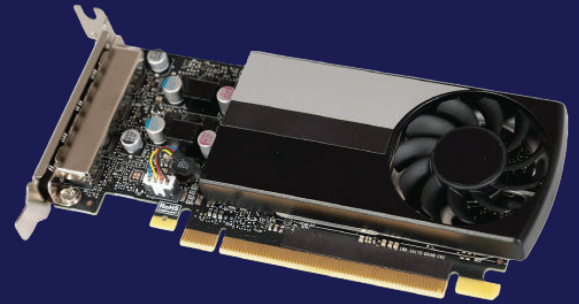
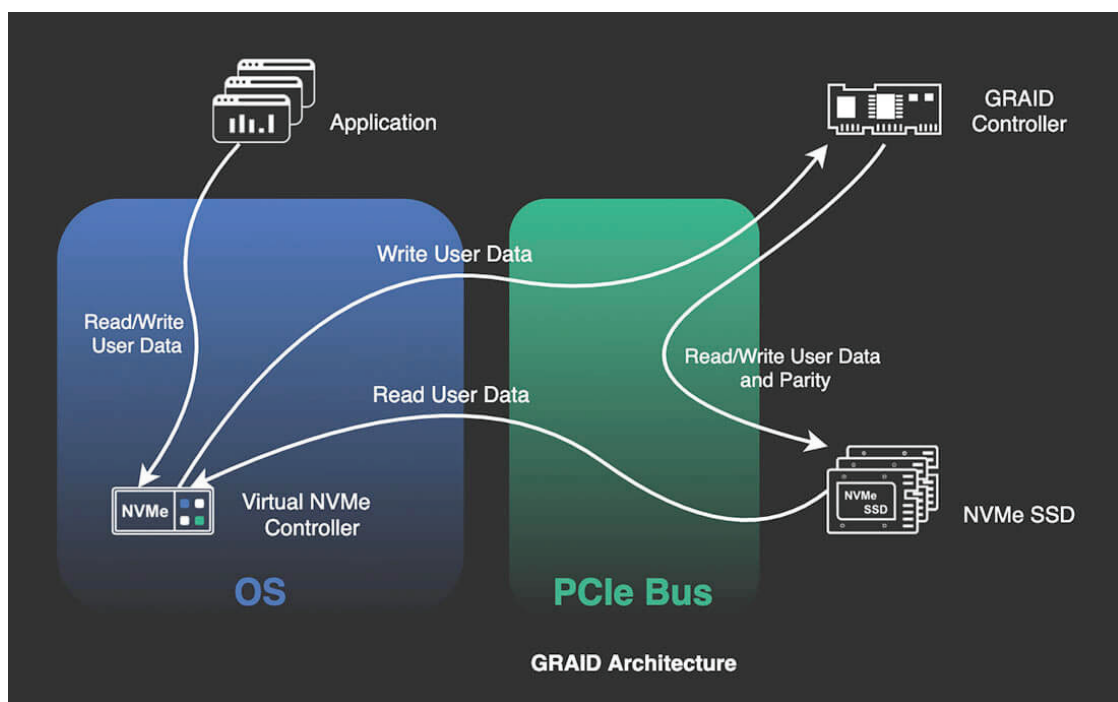


# SupremeRAID™ - When GPU meets NVMe

- **Enhanced storage performance**
  - 10 times write throughput compared with Linux MD
  - 3 times Random IOPs enhancements over Linux MD
  - Industry leading IOPs performance
- **Scalability**
- **Reliability & High Availability**
- **Non-service impacting fast rebuilds**



Graid Technology delivers the next generation of super-fast NVMe-based storage infrastructure. SupremeRAID™, a revolutionary GPU-based RAID technology, delivers the speed, ease of use, flexibility and TCO that market demands for high-performance workloads.



## GRAID: The Next Generation of NVMe RAID Technology

Graid works by installing a virtual NVMe controller onto the operating system, and integrating a high-performance Nvidia-based GPU to handle all RAID operations of the virtual NVMe controller.

This setup offers many advantages:

- Takes full advantage of NVMe performance – 6 million random IOPS which is currently the industry leading performance benchmark
- Overcomes many limitations of traditional hardware RAID cards, such as slow performance, and limited PCIe bandwidth
- Plug and play
- Supports NVMeoF for shared storage over Ethernet
- Highly scalable, with future software functions such as compression and encryption