What is NVM Express™ over Fabrics Technology

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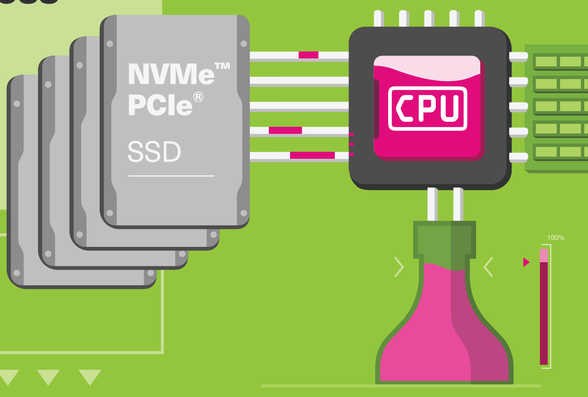
First, let's start with an NVM Express™ (NVMe™) SSD

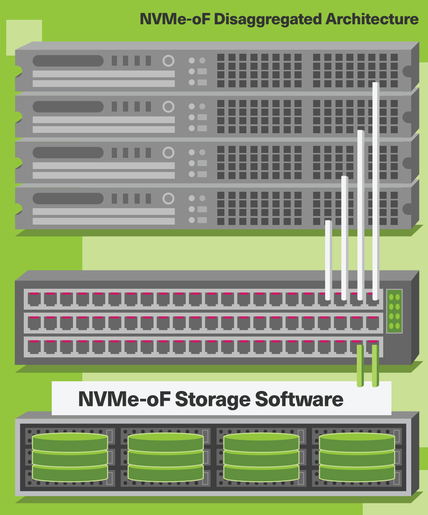
NVMe SSDs are high performance, with low latency, and can come in capacities of 30.72 TB.



BUT ... multiple NVMe SSDs in a server are stranded and cannot easily be shared.

NVM Express over Fabrics (NVMe-oF™) technology to the rescue

NVMe-oF technology connects NVMe SSDs over a network natively with minimal overhead via standards-based network transport protocols, such as RDMA and TCP that run over Ethernet, Infiniband or Fibre Channel.



NVMe-oF technology enables disaggregated storage and compute architectures that deliver

- NVMe SSD performance with minimal overhead
- Storage and compute that scales independently
- Flexible storage capacity carved out from a large pool of flash

KIOXIA Products Ready for NVMe-oF Architectures

Data Center and Enterprise SSDs

CM Series

- Enterprise NVMe SSDs
- For enterprise server and storage use cases
- 2.5-inch form factor
- 1 and 3 drive writes per day
- Capacities up to 30.72 TB

CD Series

- Data center NVMe SSDs
- For cloud and general purpose server use cases
- 2.5-inch form factor
- 1 and 3 drive writes per day
- Capacities up to 15.36 TB

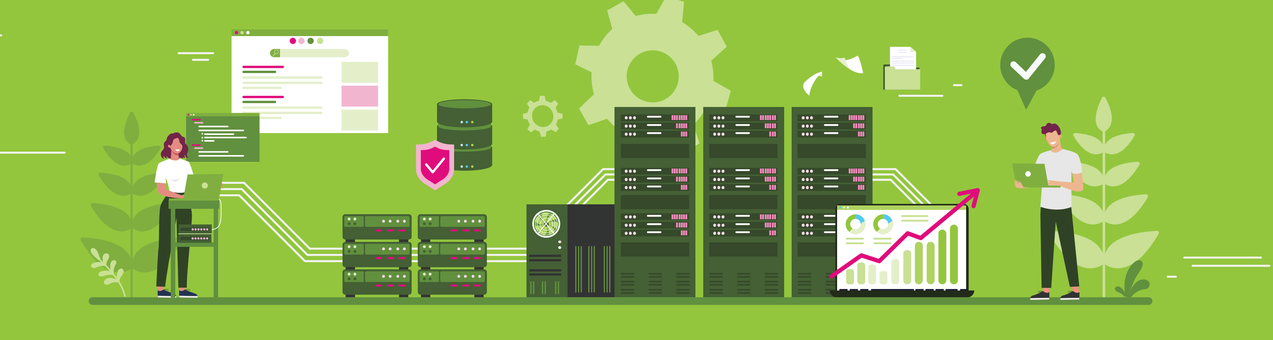
XD Series

- Data center NVMe SSDs
- For cloud and hyperscale use cases
- EDSFF E1.S (9.5mm) form factor
- 1 and <1 drive writes per day
- Capacities up to 3.84 TB

KumoScale™ Storage Software for On-premises Clouds

KUMOSCALE™

- Disaggregates and abstracts NVMe SSDs for NVMe-oF deployments
- Runs on standard storage system hardware
- Creates fast, networked NVMe flash storage as a service
- Works in orchestrated and containerized environments



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For performance measurements, read and write speeds may vary depending on the host device, read and write conditions and file size.