Exceeding Enterprise Storage Expectations with HPE 3PAR StoreServ

With all the chatter about the cloud, one could almost assume that the enterprise data center is dead. As businesses are pursuing hybrid, private cloud and IT-as-a-Service (ITaaS) solutions, most companies, including our customers, still manage mission critical and other sensitive workloads in their on-premise data centers.

Enterprise IT teams are still committed to ensuring the performance of on-premise enterprise applications such as ERP or Big Data. Just as ERP applications retain highly important sensitive corporate data that requires a stable, secure and high performing storage environment, big data and analytics applications require secure, reliable, low latency access to data. These applications represent just a few of the on-premise enterprise requirements driving the demand for scalable and highly available database implementations.

It is the norm that enterprise storage faces escalating need for faster transaction processing speeds, capacity-based scaling, increased flexibility, high availability and business continuity in a 24/7 business. IT is faced with the age-old challenge of delivering improved performance while simultaneously reducing costs. They must harness valuable data and improve end-user productivity. As flash has penetrated the datacenter, HPE 3PAR StoreServ helps customer maximize the value of flash as the scalable and efficient primary storage platform needed to provide the capacity, scalability and performance needed while reducing the overall storage footprint.
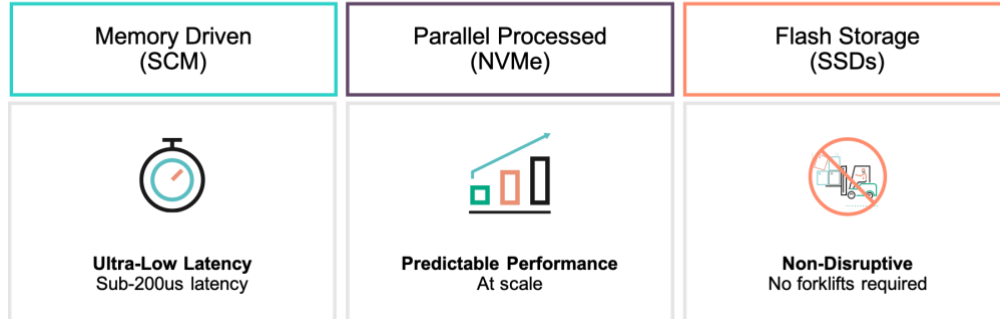
HPE 3PAR is designed to be extremely efficient in every way that matters. Whether it is deployed for the mid-size enterprise or the very large multi-national, HPE 3PAR All Flash storage arrays offer high-speed flash drives to boost application performance. If 3M IOPS and consistent sub-ms latency is not enough, how about non-disruptive scalability from a few TBs to more than 20 PB. As data growth and app development in the data center continue to expand, scalability is critical. With HPE 3PAR, a single system offers scaling storage that grows with data and application needs. Automated provisioning and multi-tenant design introduce flexibility, while deduplication and HPE thin technologies save storage space.

However, HPE's secret weapon is HPE InfoSight which provides performance insights to identify bottlenecks in real time. In high pressure enterprise IT environments, understanding when and where performance issues are occurring allows systems to self-heal or prevent issues, or accelerate an administrator's ability to resolve problems.

In a constantly shifting IT market, HPE is committed to storage as evidenced by its ongoing investments in the 3PAR ASIC – improving efficiency, its launch of Memory Driven Flash – combining storage-class memory and NVMe, and ongoing enhancements to HPE InfoSight . The result is improved performance and platform insight.

Intelligent
Software Based Acceleration

Memory Driven (SCM)	Parallel Processed (NVMe)	Flash Storage (SSDs)
Ultra-Low Latency Sub-200us latency	**Predictable Performance** At scale	**Non-Disruptive** No forklifts required

Even as the definition of data centers evolves, the need for high performing storage remains. With HPE Intelligent Storage customers get the reliable, stable, scalable, fast, non-disruptive storage architecture required for mission-critical enterprise workloads. But don't trust us, trust Forrester's Total Economic Impact report to quantify a data storage efficiency, ROI. improved productivity.

In short, 3PAR StoreServ addresses the IT dream of doing more with less by fulfilling business requirements with less capacity. HPE is the only tier-1 storage architecture smart enough to guarantee 99.9999% (yes, that's 6 nines) data availability. This is *THE* on-premise storage solution for your data sensitive and data hungry enterprise workloads.