

NVME-oF STORAGE FOR RETAIL BANKING

Features

Key Benefits

- Next generation disaggregated NVMe-oF platform disrupts current DAS-based architectures
- Thin provisioning of NVMe volumes for unpredictable credit/debit transactions
- Choose any NVMe SSD. Mix NVMe drives from preferred suppliers.
- Use standard Ethernet and NVMe-oF drivers
- Use with nearline storage as a complete solution to existing legacy fibre channel systems

Pavilion Benefits

- Up to 920TB in 4U fully shared or partitioned
- 20m IOPS, 120GB/sec read and 90GB/sec write bandwidth @ 40µsec latency
- Create independent zones for post processing, color, rendering, VFX
- Use zero-space snapshots and clones minimize network traffic and maximize productivity
- OPENCHOICE Storage lowers procurement costs and future-proofs investment

Disrupt or be Disrupted

What's your legacy?

According to the Gartner Group, by 2030, 80% of heritage financial firms will go out of business, become commoditized or only exist formally. Digital transformation, disruptors, partnerships and diversification of service offerings are fundamental to the future of financial services firms.

Retail banking is rapidly evolving from tellers, drive-up windows and ATM machines to web, mobile, voice banking and chat bots. The customer experience is changing to personalized offers based on Artificial Intelligence, Machine Learning and sophisticated Recommendation Engines. Peer-to-Peer payments are already greater than \$111B and expected to double by 2023.

Couple these radical market shifts with increased need for fraud detection/resolution and regulatory oversight and it is clear that the traditional infrastructure of retail banks must be reimaged. FinTek firms and emerging nontraditional players like Alibaba and Metro Bank utilize NVMe storage in scale-out architectures that have redefined omni-channel and mobile marketing with rapid response times from low-latency applications. However, their scale-out models based on Direct-Attached Storage have reached a point of diminishing returns. NVMe-Over-Fabrics has crossed the chasm and offers the reliability, security and manageability that banks have trusted with SAN for modern, rack-scale applications, enabling digital transformation with low risk and high return.

Look forward – Look to the 3rd Wave of NVMe

Pavilion Data is leading the way in retail bank transformation. Whether it is a logical evolution of Greenplum Data Lakes to improve storage utilization, shatter backup windows and achieve compliance, or a wholesale replacement of the customer experience with MongoDB, MariaDB, Cassandra or AeroSpike, our NVMe-oF Storage Platform provides unprecedented performance, availability and versatility to future-proof your storage infrastructure as you leapfrog the competition.

Availability

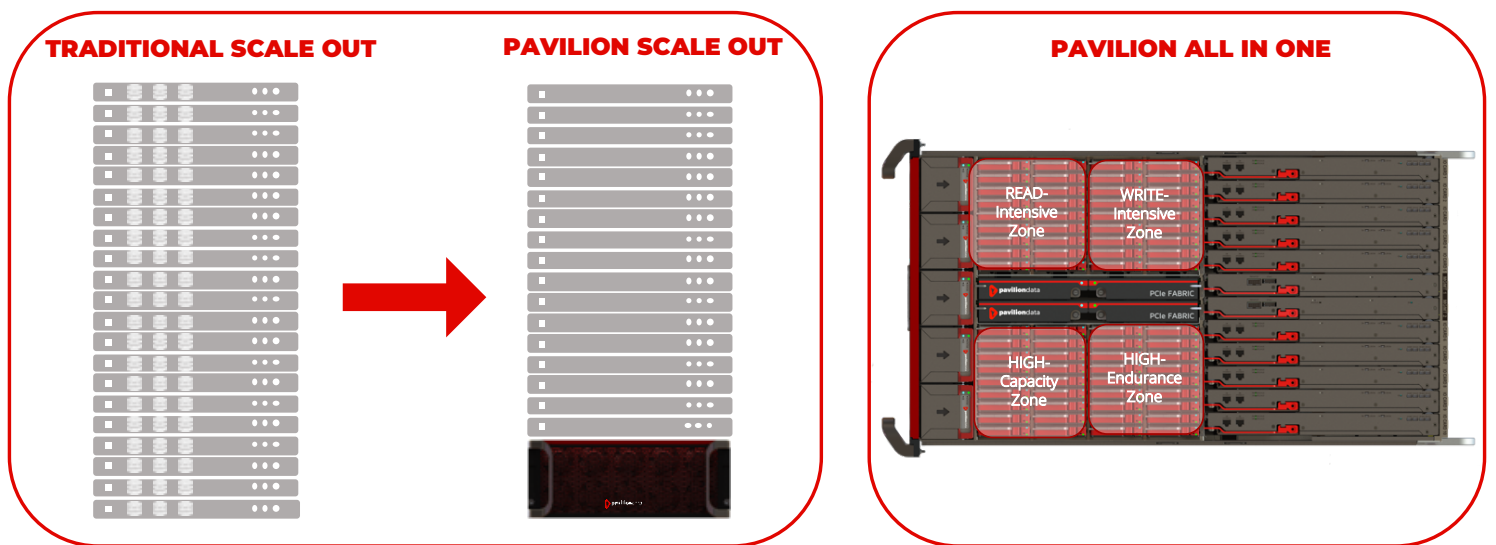
Pavilion Data has the industry's lowest latency disaggregated storage array. At 40 microseconds from host, over RDMA-based fabrics and through 20 parallel storage controllers to a RAID-6 volume of OPENCHOICE NVMe SSDs, Pavilion Data's performance is unparalleled. To achieve similar results in just 4 Rack Units (RU) of space, competing alternatives require at least 80 RU, or two full racks and as much as 14TB of DRAM at 10 times the acquisition cost.

Availability

Of course, you demand no single points of failure, standards-based hardware and protocols as well as redundancy throughout a storage array. Pavilion has you covered. Our platform features a completely fault tolerant design from controllers, power supplies, fans, management controllers, even dual PCIe switching fabrics. Using standard distribution NVMe-oF operating system drivers, multi-pathing to our 20 controllers assures fail-over in the event a network link or storage controller is unavailable.

Versatility

With up to 20 storage controllers and 40 Ethernet or Infiniband fabric connections fully non-blocking at 100Gb/sec. the Pavilion array can serve as the ideal next wave of NVMe storage deployment for massive rack-scale workloads. Deploy the largest and fastest NVMe drives without concern for application performance impact in the event of a node recovery. Use a combination of read-intensive and high endurance drives for a bottom-of-rack configuration that services multiple workloads across a cluster. With OPENCHOICE future-proofing your storage investment has never been easier.



Alternatively, our platform is a perfect All-in-One solution for multi-purpose Test and DevOps environments that can seamlessly expand to rack-scale. Use our GUI or API to integrate with management frameworks like Swordfish™ or Redfish™ to create specific numbers of network, controller and SSD volumes with read-intensive drives, define other volumes for write performance, others for endurance, and yet other volumes with high-capacity drives for snapshots, clones and connectivity to standard backup technologies.

With built-in encryption for data at rest, meeting compliance requirements is a fundamental part of the system design. Use consistent snapshots, encrypt those snapshots, then use standard backup and restore utilities to achieve high-fidelity compliance at a level of granularity that you define.

Retail banking is undergoing radical disruption. Pavilion Data offers a storage platform enabling you to become a disruptor using proven technology and trusted storage management techniques.

Learn more today at www.paviliondata.com