Why SME Customers Choose Dell PowerVault ME5 Storage for their High Value Workloads

Dell PowerVault ME5 is simple, fast and affordable storage for the cost conscious Small to Medium Enterprise (SME) businesses. ME5 is purpose-built and optimized for SAN and DAS application workloads with compelling performance, highly scalable capacity and overall management simplicity to support a wide range of workload types. ME5 is also validated for use with Dell PowerEdge Servers enabling rapid access to application data - without compromise.

1. High Performance Computing (HPC)

IT organizations will experience optimum read/write throughput, highly scalable capacity and fast front-end connectivity when deploying High Performance Computing (HPC) solutions with PowerVault ME5 storage, Dell Networks and Dell PowerEdge Servers. This combined infrastructure can support several parallel file systems including PixStor, BeeGFS and NFS File Store with small, medium and large modular building block configurations accompanied by best practice and reference architecture documents. Dell also provides IT the opportunity to reduce risk of implementing complex technology implementations by allowing IT staff to test drive and tune leading-edge HPC, AI and Data Analytics systems in the Dell HPC and AI Innovation Lab prior to purchase.

2. Safety And Security (CCTV)

The rise of global surveillance has created demands for reliable, highly available and adaptable storage solutions to keep pace with advances in video technology and management at the Edge and the unceasing data growth associated with real-time video capture. PowerVault ME5 is an ideal and affordable solution to handle the bandwidth, performance and capacity requirements for CCTV operations at the Edge to keep pace with your surveillance needs. With PowerVault ME5, CCTV at the Edge will support video streaming from hundreds of surveillance cameras at any bit rate. Dell Safety & Security Labs are outfitted with leading technology from all major safety and security vendors, allowing us to validate all best-of-breed physical security applications with Dell's portfolio of products and solutions.

3. Virtual Desktop Infrastructure (VDI)

PowerVault ME5 storage with Dell PowerEdge Servers is a great infrastructure combination for small-scale VDI environments that can assure businesses of a quality end user experience when deploying persistent virtual desktops. Using this infrastructure combination, IT organizations can centrally manage their VDI environment, launch as many as 500 virtual desktops in under 5 minutes.

4. Virtualization

PowerVault ME5 and Dell PowerEdge Servers come together again to optimize and support VMware and Microsoft virtualization environments. A significant advantage for customers choosing these platforms for virtualization can be found in the way Dell thoroughly tests and validates PowerVault and PowerEdge across different host operating systems and VMware vSphere and Microsoft Hyper-V hypervisors.

5. Microsoft SQL Databases

Storage performance is key to the availability and performance of SQL Server databases regardless of the size of the company or IT organization. When storage performance slows down, DB queries to disks suffer from having to wait longer for performance to catch up. PowerVault ME5 removes performance degradation with fast processing power, up to 640,000 IOPS, high read/write bandwidth, SSD read cache and more so that businesses remain productive, profitable and competitive.

6. Backup and Recovery

When SMB customers need a reliable, low-cost backup and archive solution, they've generally turned to Dell and PowerVault ME5 storage. Our development organization have simplified data protection functionality and management and have also received Veeam Certification for PowerVault ME5 storage. Now, SMB customers can easily and affordably connect PowerVault ME5 with Dell and 3rd party backup software solutions.

7. Select Edge Use Cases

PowerVault ME5's workload versatility is extraordinary for an entry storage array designed to be simple, fast and affordable. Over 50,000 globally installed systems are successfully deployed over thousands of customer sites in support of a variety of workload types with wide-ranging performance and scale requirements. And now, PowerVault ME5's density, scale and affordability make it a material solution for select Edge scenarios such as Cloud Gaming, Oil and Gas Exploration and CCTV.

PowerVault ME5 workload ecosystem and all-inclusive software features and integrations support several workload

PowerVault ME5 solutions stack
Flexible options with radical simplicity

USE CASE	HPC Storage	Safety & Security	Virtualization & VDI	Microsoft SQL Server	Backup & Recovery	Edge
BENEFIT	Affordability, Simplicity, Performance, Capacity, Throughput, Availability, Versatility					
VIRTUALIZATION	VMware vSphere; Microsoft Hyper-V; Citrix XenServer					
MANAGEMENT	PowerVault Manager; CloudIQ; VMware SRM; OME; Nagios Core & XI, CLI API, REST API					
INTEGRATION	SupportAssist; vSphere Plug-in; SRS; SRA Adapter; SM-S integration with SCVMM					
PROTECTION	Snapshots; Replication; ADAPT RAID; SED drives					
INFRASTRUCTURE	PowerVault Storage; Dell PowerEdge Servers; Dell Networks; Dell Monitoring Systems					

Learn more about Dell PowerVault ME5   Contact a Dell Technologies Expert

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