

SIMPLIFYING IT

The Dell EqualLogic™ PS Series is fundamentally changing the way IT organizations think about purchasing and managing storage. Built on a breakthrough storage virtualization architecture, the EqualLogic PS Series combines an intelligent, automated framework with a fault-tolerant hardware architecture to offer rapid deployment, enterprise quality performance and reliability, simplified storage management, and transparent SAN expansion.

THE PS SERIES...

Supports a broad range of operating systems:

- Microsoft® Windows®, including Hyper-V™
- VMware® ESX / ESXi
- Citrix® XenServer™
- Red Hat® Enterprise Linux®
- SUSE™ Linux Enterprise
- Linux
- Sun Solaris™
- UNIX®
- HP-UX
- IBM AIX®
- Novell® NetWare®
- Mac OS® X

PROVIDES PRIMARY AND SECONDARY STORAGE TO A WIDE VARIETY OF APPLICATIONS:

- Microsoft Exchange
- SQL Server
- Web Servers
- Virtual Servers
- SharePoint
- File Servers & Bulk File Storage
- ERP Systems
- Oracle® Database
- Oracle Collaboration Suite
- CRM
- Sybase®
- Lotus Notes®
- Online Learning Portals
- Voice over IP/Unified Communications
- Video Surveillance Systems
- Student Information Systems
- PACS Healthcare Systems
- Telecom Auditing & Billing Systems
- Accounting Systems
- Digital Media Archives
- Disk-based Backup & Restore
- De-duplication Target
- Archiving & Near-line Storage

WORKS IN PRODUCTION ENVIRONMENTS ACROSS A BROAD RANGE OF INDUSTRIES:

- Finance
- Government
- Military
- Education
- Healthcare
- Media
- Retail
- Manufacturing
- IT/Web Services
- Energy
- Engineering
- Construction
- Legal Services
- Biotechnology
- ASP/ISP/MSP
- Telecom

SIMPLIFY STORAGE AT
DELL.COM/PS Series

INTELLIGENT iSCSI STORAGE ARRAYS



EQUALLOGIC

THE DELL DIFFERENCE

EASE OF USE

- Intelligent, automated management minimizes tedious administrative tasks
- From box to operating SAN in minutes
- Monitor petabytes of storage across dozens of SANs from a single console

ENTERPRISE PERFORMANCE

- Exceptional performance for both sequential and transactional applications with linear scalability as arrays are added
- Automated, real-time load balancing across drives, RAID sets, connections, cache and controllers for optimized performance and resource utilization
- Pooling capability enables appropriate service levels for individual applications

RELIABILITY

- Fault-tolerant, fully-redundant dual controller design for no single point of failure
- Designed for 99.999% availability
- Enterprise-class RAID protection (RAID 5/6/10/50)
- Hot-swappable components, flexible online redeployment of arrays

SCALABILITY

- Modular design allows growth when needed
- Online expansion between hardware generations without affecting data availability
- Linear scalability—scale capacity and performance together

AFFORDABILITY

- All-inclusive enterprise features and functionality with no additional software licenses to purchase
- Easy connection via iSCSI
- Automated features help to eliminate highly specialized administrative costs

PS SERIES iSCSI STORAGE ARRAYS

PS6000 SERIES: VIRTUALIZED ARRAYS DESIGNED FOR THE ENTERPRISE DATA CENTER

PS6000E

- Enterprise performance offering great cost-per-Gigabyte
- High capacity configurations for data intensive applications

| Array Capacity | Storage Controllers | Disk Drives & Capacities |
|----------------|---------------------|---------------------------------|
| 2 TB | Single | 8-250 GB/7,200 RPM SATA drives |
| 4 TB | Single | 16-250 GB/7,200 RPM SATA drives |
| 4 TB | Dual | 16-250 GB/7,200 RPM SATA drives |
| 8 TB | Dual | 16-500 GB/7,200 RPM SATA drives |
| 16 TB | Dual | 16-1 TB/7,200 RPM SATA drives |

PS6500E

- High-density system for huge capacity and scalability at best cost-per-Gigabyte in PS Series

| Array Capacity | Storage Controllers | Disk Drives & Capacities |
|----------------|---------------------|---------------------------------|
| 24 TB | Dual | 48-500 GB/7,200 RPM SATA drives |
| 48 TB | Dual | 48-1 TB/7,200 RPM SATA drives |

PS6000X

- Balance of great performance and capacity for the enterprise

| Array Capacity | Storage Controllers | Disk Drives & Capacities |
|----------------|---------------------|---------------------------------|
| 6.4 TB | Dual | 16-400 GB/10,000 RPM SAS drives |
| 7.2 TB | Dual | 16-450 GB/10,000 RPM SAS drives |
| 9.6 TB | Dual | 16-600 GB/10,000 RPM SAS drives |

PS6000XV

- High performance for demanding enterprise applications

| Array Capacity | Storage Controllers | Disk Drives & Capacities |
|----------------|---------------------|---------------------------------|
| 4.8 TB | Dual | 16-300 GB/15,000 RPM SAS drives |
| 7.2 TB | Dual | 16-450 GB/15,000 RPM SAS drives |

PS6000S

- SSD system for exceptional low-latency, high-IOPS performance at affordable value

| Array Capacity | Storage Controllers | Disk Drives & Capacities |
|----------------|---------------------|--------------------------|
| 400 GB | Dual | 8-50 GB SSD Drives |
| 800 GB | Dual | 16-50 GB SSD Drives |

¹Qualified for Microsoft Windows Server 2000 and 2003, VMware®, Linux® and Sun™ Solaris™ Operating Systems

²Qualified for Microsoft Windows Server® 2003 and Windows Server® 2008

³Qualified for VMware® ESX 3.5, ESXi 3.5 and ESX 3

PS4000 SERIES: VIRTUALIZED ARRAYS DESIGNED FOR BRANCH OFFICE AND SMB NEEDS

PS4000E

- Entry configuration for affordable capacity

| Array Capacity | Storage Controllers | Disk Drives & Capacities |
|----------------|---------------------|---------------------------------|
| 2 TB | Single | 8-250 GB/7,200 RPM SATA drives |
| 4 TB | Single/Dual | 16-250 GB/7,200 RPM SATA drives |
| 8 TB | Dual | 16-500 GB/7,200 RPM SATA drives |
| 16 TB | Dual | 16-1 TB/7,200 RPM SATA drives |

PS4000X

- Great balance of cost effective performance and capacity

| Array Capacity | Storage Controllers | Disk Drives & Capacities |
|----------------|---------------------|---------------------------------|
| 6.4 TB | Dual | 16-400 GB/10,000 RPM SAS drives |
| 7.2 TB | Dual | 16-450 GB/10,000 RPM SAS drives |
| 9.6 TB | Dual | 16-600 GB/10,000 RPM SAS drives |

PS4000XV

- High performance for demanding remote office applications

| Array Capacity | Storage Controllers | Disk Drives & Capacities |
|----------------|---------------------|---------------------------------|
| 4.8 TB | Dual | 16-300 GB/15,000 RPM SAS drives |
| 7.2 TB | Dual | 16-450 GB/15,000 RPM SAS drives |

ENTERPRISE DATA SERVICES

Data Protection, Availability & Recovery

- Auto-Replication, Multi-Way
- Instant Volume Restore
- Multi-Path I/O¹
- Multi-Volume, Writeable Snapshots
- Snapshot and Auto-Replication Scheduler
- Volume Cloning
- Volume Consistency Sets

Management

- PS Group Manager
- Rapid Provisioning
- Remote Setup Wizard
- Roles-Based Administration
- Volume Management

Maintenance

- Auto-Stat Disk Monitoring System
- E-mail Home
- Enclosure Monitoring System
- SAN Headquarters Historical Performance and Event Monitoring

Storage Virtualization

- Array Evacuation
- Automatic Load Balancing
- Automatic or Manual Storage Tiering
- Complete SAN Virtualization
- Online Data and Volume Movement
- RAID Load Balancing
- Storage Pools
- Thin Provisioning

Server Management & Protection Integration

- Auto-Snapshot Manager/ Microsoft® Edition²
- Auto-Snapshot Manager/ VMware® Edition³
- Automatic MPIO Connection Management
- Microsoft® VSS and VDS Providers
- Smart Copy for Microsoft® Hyper-V™, Exchange®, SQL Server®, Windows® File Systems and VMware® VMFS
- VMware® Site Recovery Manager Adapter