

Dell EqualLogic PS6100 Series

What's New?

With innovative form factors that support either high-density 2.5" or high-capacity 3.5" drives, we extend the promise of EqualLogic—ease of management, integration with VMware, high performance for mid-range SANS, and an all-inclusive software model—supporting our customers' growing needs. With the planned August 22, 2011 announcement of EqualLogic PS 4100 and 6100 Series arrays, we bring to our customers a vast array of choices that scale linearly with capacity* to meet their needs using Dell Fluid Data™ technologies.

PS6100 Series Arrays

Dell EqualLogic PS6100 Series arrays come in a variety of configurations to meet the needs of the most demanding applications and enterprise data centers, each of which offers increased density compared to the previous-generation corresponding model.

Model	Value Proposition	Differentiation	Capacity comparison
PS6100E	Entry-level configurations for affordable capacity High capacity configuration for data-intensive applications, highly consolidated environments	Capacity-oriented NL-SAS (4U) 6, 12, 24, 48, 72* TB (24 HDD) 7,200 RPM NL-SAS 3.5" *3TB drive coming soon	increase of drive capacity from 1TB/U to 13* TB/U
PS6100X	Balance of cost, performance and capacity for enterprise data centers Databases, Exchange servers, high-I/O virtual server environments, etc.	High-Performance SAS 3.6, 7.2, 10.8, 14.4, 21.6TB 10K RPM SAS 2.5"	increase of drive capacity from 2.4TB/U to 10.8TB/U
PS6100XV	Highest performance HDD system in the PS6100 Series for critical applications	High-Performance SAS 3.5, 7.2* TB 15K RPM SAS 2.5" *300GB drive coming soon	increase of drive capacity from 2.4TB/U to 3.6* TB/U
PS6100S	Highest random read IOPS performance and lowest latency in the PS6100 line for the most demanding enterprise applications	High-performance SSD 2.4, 4.8, 9.6TB 200GB/400GB (12 or 24) Solid State Disks	increase of drive capacity from .5TB/U to 4.8TB/U
PS6100XS	Enables the performance of SSD with capacity of HDDs Mixture of SSD and spinning media within one array /member Automated data tiering within a member. Hot data placed on SSD	SSD Speed and HDD Capacity 7 x 400GB SSD + 17 x 600GB 10k RPM HDDS 13TB	increase of drive capacity from 1.4TB/U to 6.5TB/U
PS6100XV 3.5"	Highest performance HDD system in the PS6100 Series for critical applications	High-performance and high-capacity SAS (4U) 7.2, 14.4TB 15K RPM SAS 3.5"	increase of drive capacity from 2.4TB/U to 3.6TB/U

Up to 60% IOPS improvements with EqualLogic PS4100 and PS6100 Series on typical workloads over previous generation EqualLogic array.**

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* *Based on 2011 internal Dell testing.

**Based on 2011 internal Dell testing comparing PS6100XV and PS6000XV with RW70/30, 4K and 8K I/O, 32 outstanding I/O, and RAID-50).



Positioning

The new EqualLogic PS4100 and PS6100 series provide you with an opportunity to schedule time with your customers and discuss Dell's vision for Fluid Data™ management and how the new EqualLogic hardware is delivering on that vision. Help your customer set the storage agenda and position EqualLogic as a strategic choice for primary or secondary storage.

Elevator Pitch: Why buy EqualLogic?

The latest EqualLogic PS Series arrays provide significant improvements for your customers including:

- Up to 50% more users or transactions supported on the EqualLogic PS4100 and PS6100 Series at the same performance criteria (transaction response time ≤ 2 sec) over previous generation EqualLogic arrays.*
- EqualLogic PS4100 and PS6100 Series are designed to provide link failure resiliency using the Vertical Port Sharing feature.*
- In a port-constrained environment, EqualLogic PS4100 and PS6100 Series with the Vertical Port Sharing feature are designed to maintain full bandwidth performance and connectivity with only half of the switch ports active.*

With a variety of systems built for capacity and performance, there is a Dell EqualLogic solution designed to suit your customers' needs. And with comprehensive Dell Data Management Services that help plan, design, implement and support an efficient data management strategy and ecosystem, you can help your customers satisfy today's data availability, retention and recovery requirements while preparing to meet the demands of tomorrow.

Resources

[Dell.com/Partner](#)

Look for new product information for each array coming August 22, 2011.

Give your customers comprehensive end-to-end Fluid Data™ solutions designed to help them move the right data to the right place at the right time for the right cost.

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*Based on 2011 internal Dell testing.

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