

The new generation of Servers & Converged Solutions

Powering virtualization applications and datacenter transformation

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Market Intelligence

- 2%
- 1 out of 6
- 1 out of 5
- Dense platforms
- (Hyper)Convergence

Market Intelligence

Server Industry Trends

- Accelerating business demands are driving the evolution of workloads, requiring greater **infrastructure flexibility**
- Growth in **non-traditional and cloud deployment** models
- **Virtualization** is pervasive
- Continued **challenges** with operational and capital cost containment
- Increasing **user expectations** driven by “always on, instant access” devices

13G PowerEdge Servers



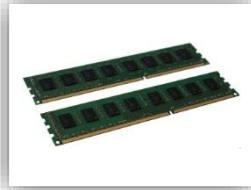
Scale smarter. Manage easier. Innovate faster.

See first-hand how the next generation of PowerEdge servers with the latest Intel® Xeon® processors will help accelerate workloads and simplify management.





Next Gen Processors



DDR4 Memory



Select Network Adapters



Fresh Air 2.0



OpenManage Essentials 2.0



Automation for Everyone

PowerEdge 13G Enhancements

Adapt to your evolving workloads and data center

Server

Mgmt

Storage



Enhanced Drive Capabilities



PERC9



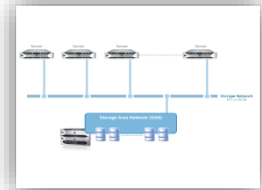
Express Flash 2.0



Expanded SSD Offerings



Server Storage Tiers

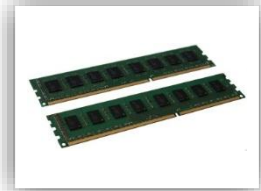


Fluid Cache for SAN





Next Gen Processors



DDR4 Memory

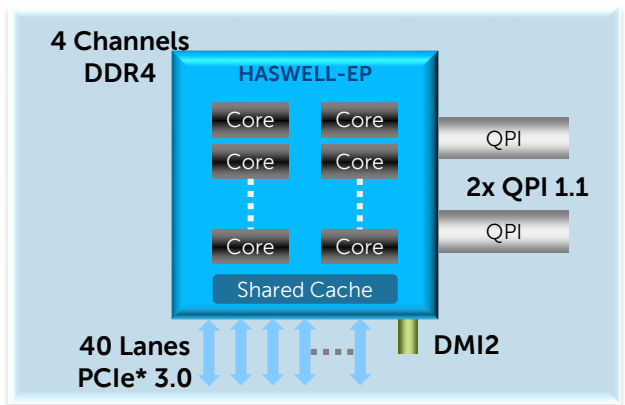


Select Network Adapters



Fresh Air 2.0

Server

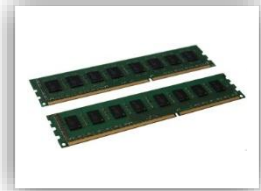


Intel® Xeon® processor
E5-2600 v3 Product Family





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Fresh Air 2.0

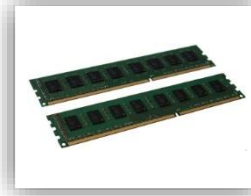
Server

- **Increased bandwidth**
 - 15% higher bandwidth (2133 vs. 1866 MTS)
- **Lower Power**
 - 30% lower active power
 - 50% lower standby power
- **Same capacities**





Next Gen Processors



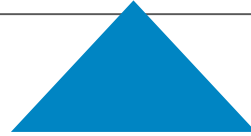
DDR4 Memory



Select Network Adapters



Fresh Air 2.0



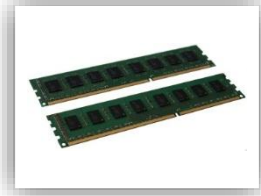
Server

- 1Gbps or 10Gbps Ethernet
- 100Gbps or 40Gbps Ethernet
- 2 x 56Gbps InfiniBand
- QSFP+ Fiber/Copper





Next Gen Processors



DDR4 Memory

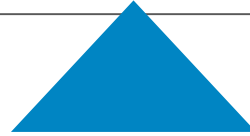


Select Network Adapters



Fresh Air 2.0

Server



Fresh Air 2.0 (C40/E45)

Continuous 40C / 45C Excursion Operation

	Continuous Operation	<1% of operational hours
Temperature	<u>5 to 40°C</u>	-5 to 5 and 40 to 45°C
Humidity	<u>5% to 85%RH</u> with <u>29°C</u> dew point	<u>5 to 90%RH</u> with <u>29°C</u> dew point



PowerEdge 13G Enhancements

Adapt to your evolving workloads and data center



OpenManage
Essentials 2.0



Automation for
Everyone

Mgmt



**Datacenter
Automation and
Management**



**Console
Management**



**Simplified
Management**



Security



Enhanced Serviceability



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Datacenter Automation and Management



Simplified Management



Zero touch deployment



Automated updates



OM Mobile – iDRAC Quick Synch / Direct



Automated OS installation



Agent-free Driver updates



Template based provisioning



Compliance



OpenManage Essentials 2.0



Automation for Everyone

Mgmt





**Datacenter
Automation and
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**Console
Management**



**Simplified
Management**



Security



**OpenManage
Essentials 2.0**



**Automation for
Everyone**



Signed FW
updates



SNMP v3



Secure Boot
UEFI



Secure Server
Retirement

Mgmt



**Datacenter
Automation and
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**Console
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**Simplified
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Security



Enhanced Serviceability



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Automated Support: ProSupport SupportAssist



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Enhanced Drive Capabilities



PERC9



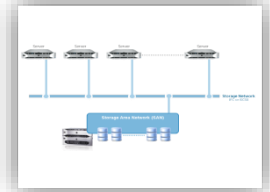
Express Flash 2.0



Expanded SSD Offerings



Server Storage Tiering



Fluid Cache for SAN



PowerEdge R730xd



Storage



Enhanced Drive Capabilities



PERC9



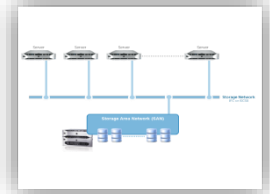
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Expanded SSD Offerings

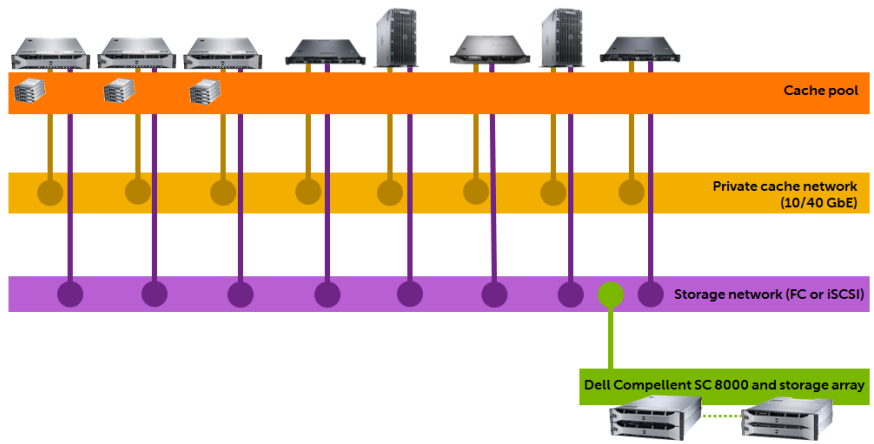


Server Storage Tiering



Fluid Cache for SAN





Storage



Enhanced Drive Capabilities



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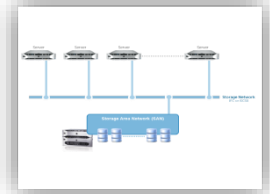
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Expanded SSD Offerings



Server Storage Tiering

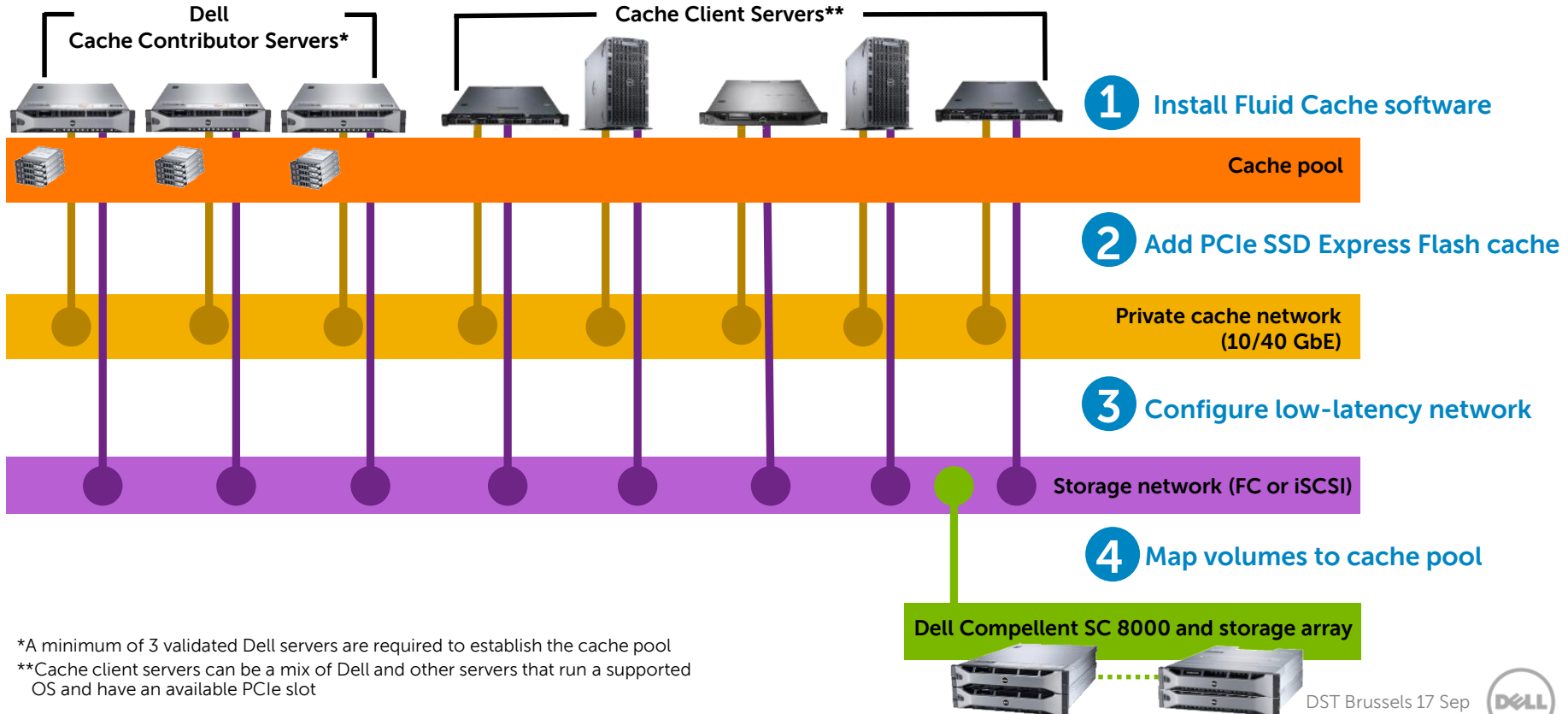


Fluid Cache for SAN

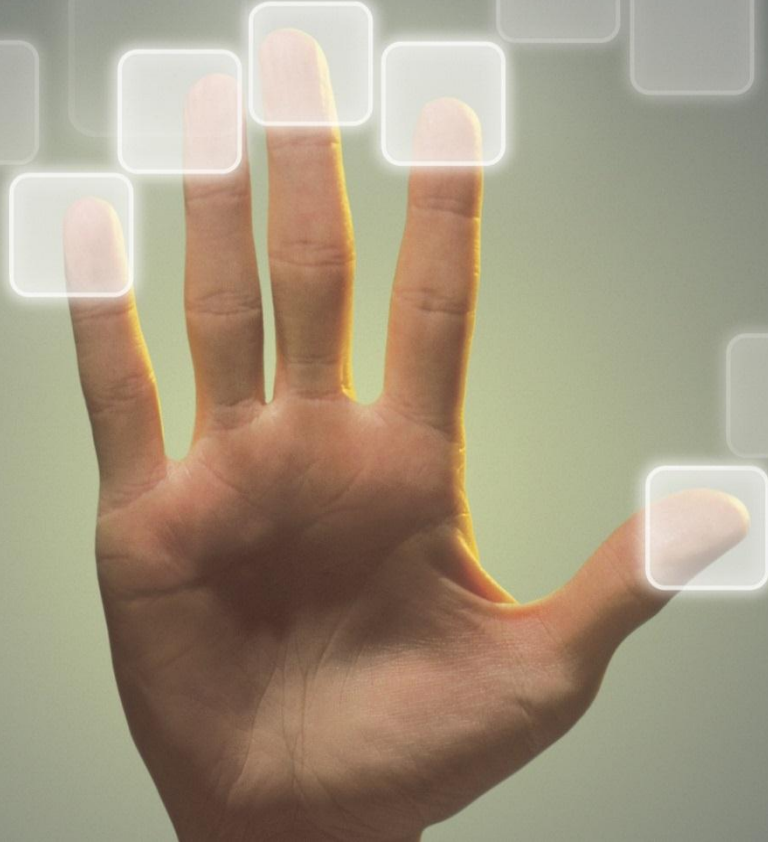


Bring data closer to compute

Dell Fluid Cache software + Dell Compellent = Accelerated application response



Software Defined Storage



Businesses seek new ways to enhance datacenter efficiency

Evolutionary

Revolutionary

Server-side storage

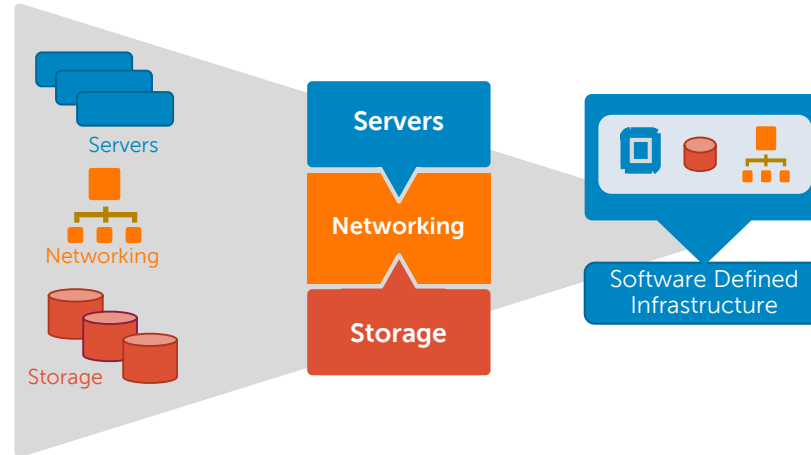
External SANs

Virtualized Storage

Physical Appliances

Virtual Appliances

Converged Solutions





















Hyper Converged

Scalable solutions for private cloud and XaaS

Software-only solutions

There is no one-size-fits-all solution and Dell has you covered both ways

Dell Software Defined Storage offerings

Storage Spaces   Microsoft	OpenStorage   nexenta Enterprise class storage for everyone	Virtual SAN   vmware®	Storage Server   redhat.	Unified & Distributed   ceph
Big Data   hadoop	Object Storage   caringo	OpenStack   openstack™	Virtual Computing   NUTANIX.	



Dell XC Series Web-Scale Converged Appliances



Converged
storage and
compute



Highly distributed,
shared nothing
software



High
performance
x86 hardware



Massive and linear
scale-out
architecture

Offer details

- Dell PowerEdge servers with Nutanix SW
- Bundles for multiple virtualized workload types
- Dell Installation & Implementation
- ProSupport w/ Collaborative Nutanix SW Support

Target Markets

- Simple, scalable & high performance for VDI
- Departmental virtualization
- Multi-hypervisor environments and migrations

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The power to do more