

THE INDUSTRY'S TAKE ON The State of Software-Defined Storage, Hyperconverged and Cloud Storage

The Current State of Software-Defined Storage

WE ASKED IT PROFESSIONALS...

What are the business drivers for implementing software-defined storage?

✓ **55%**

SIMPLIFY

the management of
different models of storage

✓ **53%**

FUTURE-PROOF

your infrastructure

✓ **52%**

AVOID LOCK-IN

avoid hardware lock-in from
storage manufacturers

✓ **47%**

LONGEVITY

extend the life of existing
storage assets

What are the primary capabilities that you would like from your storage infrastructure when virtualizing storage?

83%

Business continuity from high availability
(metro clustering, synchronous mirroring)

73%

Enabling storage capacity expansion without disruption

65%

Cost efficiency

60%

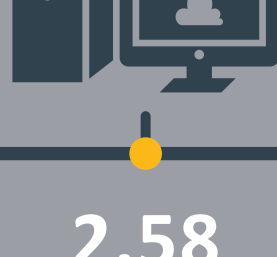
Disaster recovery (asynchronous replication to remote site)

On a scale of 1-5 (1 having the most problems, 5 the least), what environments experience the most severe performance challenges where storage is suspected to be the root cause?



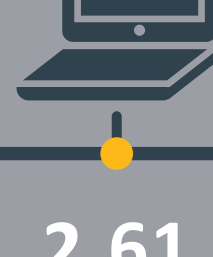
2.16

Databases



2.58

VDI
Virtual Desktop
Infrastructure



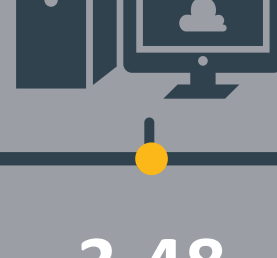
2.61

Enterprise Applications
ERP, CRM, custom applications,
e.g. J2EE



3.27

Web and Mail Servers



3.48

File and Print Servers

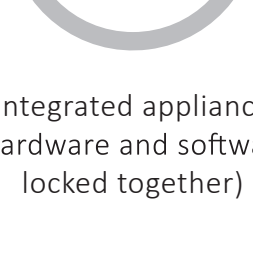
The Current State of Hyperconverged Storage

What does the term hyperconverged mean to you?

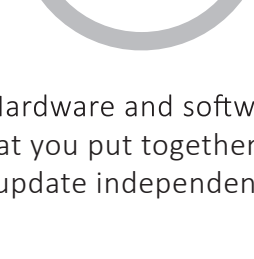
While many analyst and vendor positioning assumes that the concepts of hyperconverged and appliance are synonymous, this survey suggests otherwise, with 41% of respondents believing that hyperconverged is software that is tightly integrated with the hypervisor but is hardware agnostic.



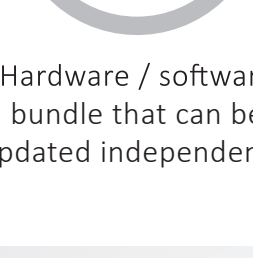
Tightly integrated
with hypervisor but
hardware agnostic



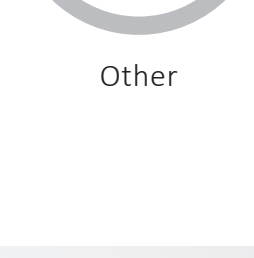
Integrated appliance
(hardware and software
locked together)



Hardware and software
that you put together and
update independently



Hardware / software
bundle that can be
updated independently



Other

What is the number one reason you are evaluating or currently deploying hyperconverged systems?



48%

Simplify Management



39%

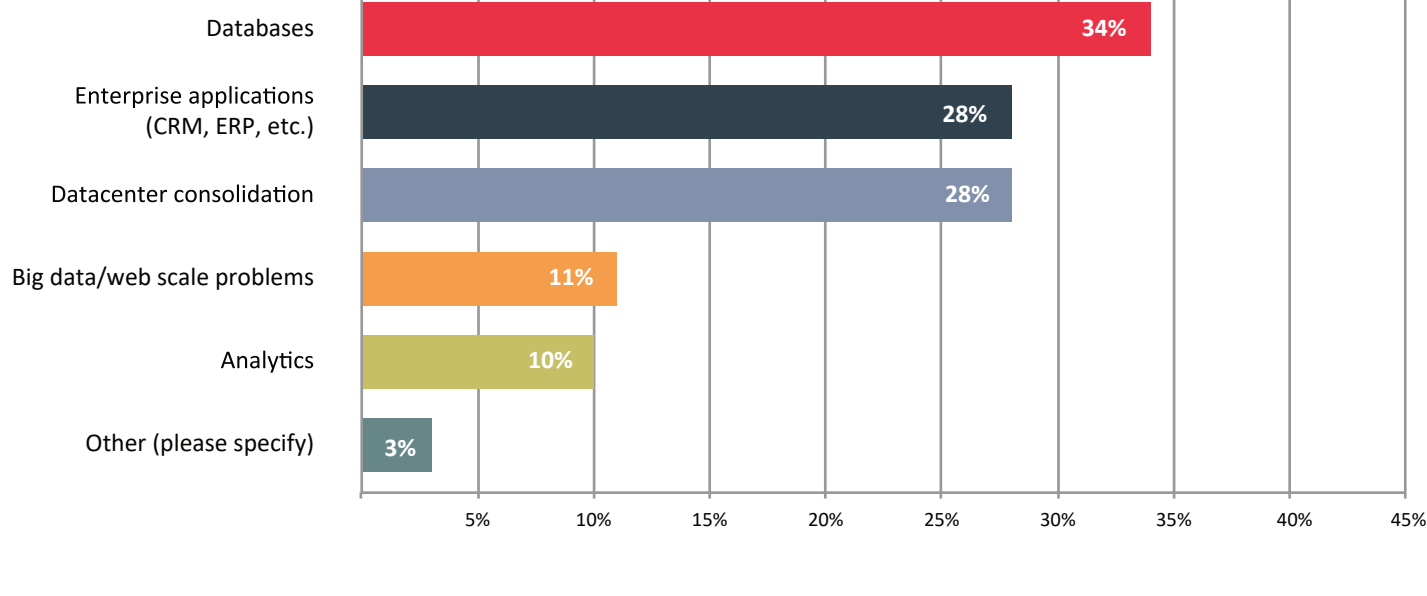
Easy to Scale Out



35%

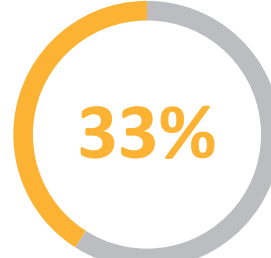
Reduce Hardware Costs

What use cases / applications are you using for hyperconverged?

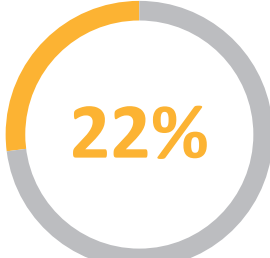


Public Cloud/ Hybrid Cloud Adoption

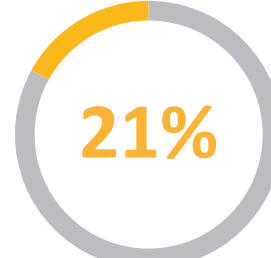
What types of applications are users willing to move to a public cloud or hybrid cloud infrastructure?



Select Enterprise
Applications



Data Analytics



Databases



VDI

However, many are still being very selective on which workloads they would run on public cloud infrastructures based on security, cost and performance concerns.

A Look at 2017 Planned Storage Infrastructure Spending: Software-Defined Storage Tops the Charts

Which of these storage technologies will account for more than 1% of your budget in 2017?

Technology	1-10%	11% - 25%	More than 25%	N/A
Software-defined storage	43%	16%	13%	28%
Flash technology	49%	14%	11%	25%
Private cloud storage	33%	11%	10%	46%
Hyperconverged / VSAN	35%	13%	8%	44%
Object storage	35%	10%	6%	49%
Converged storage	32%	11%	6%	50%
OpenStack storage	21%	7%	2%	70%
Public cloud storage (i.e. Azure, Amazon)	37%	7%	5%	51%

DataCore is a leading provider of software-defined storage and hyperconverged infrastructure solutions powered by Adaptive Parallel I/O technology, delivering higher performance, greater application workload productivity and cost savings. DataCore leverages the multi-core advances and cost efficiency of off-the-shelf x86 server platforms to overcome the IT industry's biggest problem, the I/O bottleneck. With DataCore, customers enjoy faster application response times and lower costs by making full use of their available computing resources to multiply productivity. The SANsymphony™ software-defined storage product pools diverse storage despite differences and incompatibilities among manufacturers, models, and generations of equipment. The software can span multiple locations and devices to bring them under the control of a common set of enterprise-wide data services for management automation and infrastructure simplification. DataCore Hyper-converged Virtual SAN software provides similar services using the internal or direct-attached storage spread across physical or virtual servers in a cluster.

The company has been privately held since its founding in 1998, and today has more than 10,000 customer sites across the globe. DataCore solutions are also available within turnkey appliances from hardware manufacturers including Lenovo.

Visit www.datacore.com or call (877) 780-5111 for more information.



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