

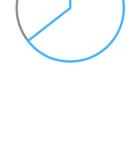
How To Choose the Right Architecture for a Modern Datacenter

data and the demand for workloads for enterprises, leading to the inception of hyperconverged and hyperscale storage approaches. Customers who come to Hedvig looking for an appropriate storage solution for their business have the option to choose either **Hyperconverged** or **Hyperscale**. Traditional Storage Doesn't Keep Pace.

The need for efficient storage and application compute is undeniable – and not just for larger

companies like Facebook and Google. Traditional storage is no longer keeping up with the volume of

Data is growing at



of companies take days, weeks or months to provision storage



of companies can provision storage within minutes Continuously adding and managing storage



the rate of storage budgets



Two Approaches - Hyperconverged & Hyperscale

racks up costs



application compute and

storage, enabling each to

scale independently.

modernization was ranked

as the second most

important IT initiative

Hyperconverged Hyperscale An IT infrastructure framework that An environment that decouples

out by adding more units.

integrates application compute and

storage in one unit designed to scale

How Do They Work? Hyperconverged

for application compute and storage.

Hyperscale



- It is estimated that

Hyperscale

Compute tiers connect to the storage

pool through a software client, proxy,

Scale-out storage software

storage resource pool

or through an API

Allows separate scaling of resources needed Integrates software-defined compute along with software-defined storage.

Scales compute linearly and in lockstep Data and workloads are auto-balanced

to new nodes added to the system

< Google

< Yahoo

Companies like

< Facebook

< LinkedIn



of global enterprises < Netflix < Amazon will adopt a hyperscale approach by 2017. rely on hyperscale architectures.

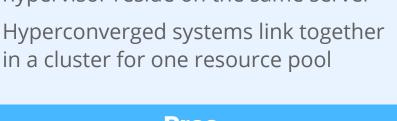
What's Under the Hood?

Typically uses commodity x86 servers installs on servers Leverages a virtualization hypervisor Servers network together to form a (VMware vSphere, Microsoft Hyper-V,

The controller, disk capacity and hypervisor reside on the same server Hyperconverged systems link together

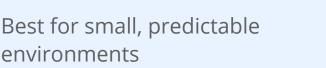
KVM) and scale-out software

Hyperconverged



following months and years.

Consider these parameters:



Pros

Keeps things simple

Lower TCO

to manage



Cons Cannot scale compute or

Easier for lean IT organizations

Pros

Easier for DevOps and faster,

automated provisioning





Lowest TCO





Your organization

flexibility to scale

compute and storage

needs more

applications

50

VMs

< Consider potential demands on the system over the course of the



You have

staff managing your virtual infrastructure

Hyperconverged



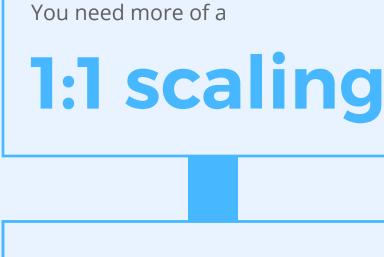
You're looking to lower

the overhead of

You're in a

remote or

branch office

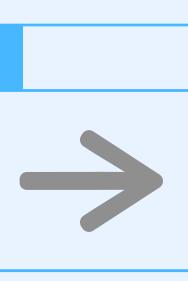


Your organization

is well below the

hyperscale (right)

numbers for



About

of customers come

a hyperconverged

approach.

to Hedvig requesting

options with the same platform.

harnessing the power of distributed systems, the simplicity of the

company the option to tailor a high-performance, elastic storage

system to support any application, hypervisor, container or cloud.

cloud, and a complete set of enterprise capabilities. Hedvig gives your

How to Choose < Consider your company's technology consumption.

OR

Your organization has more than

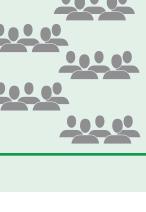
Your organization has more than

OR

Your organization has more than

terabytes of data OR

Your organization has



VM VM VM

VM VM

employees or more **How Hedvig Can Help**

About

of customers

a hyperscale

approach.

end up choosing

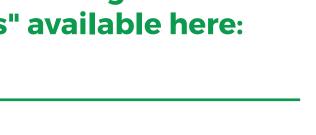
Hedvig supports both hyperscale and hyperconverged architectures.

With Hedvig, you also have the option to mix and match deployment More on "The Hedvig Distributed Storage Platform" Hedvig's approach changes the way companies deliver storage by



whatis.techtarget.com, searchvirtualstorage.techtarget.com, compuverde.com, enterprisetech.com, searchstorage.techtarget.com,

To further your understanding of hyperconverged Hyperscale and hyperscale, make sure to read Hedvig's "Hyperscale Storage for Dummies" available here: http://hed.vg/IUVIshE





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