

WHY HYPERCONVERGED?

Modern IT is too complex.
Hyperconverged makes it simple and easy.

The world of modern IT infrastructure is complex and difficult to manage. It is a mix of servers, data storage platforms, networking switches and backup infrastructure. Right now, all of these different pieces of the IT puzzle, live in separate, expensive and hard to manage silos.

This is traditional infrastructure at its worst. With expanding business requirements and shrinking budgets, it creates a set of challenges which are all too familiar familiar to today's IT administrators and business owners.

Today's IT challenges



Complexity

Increased management complexity and a constant need for specialists who are able to manage this type of infrastructure.



Cost

High purchase prices, coupled with expensive deployment and scaling, as well as increased operating costs.



Recovery times

With traditional infrastructures, it takes a long time to recover data and restart applications following a downtime incident.

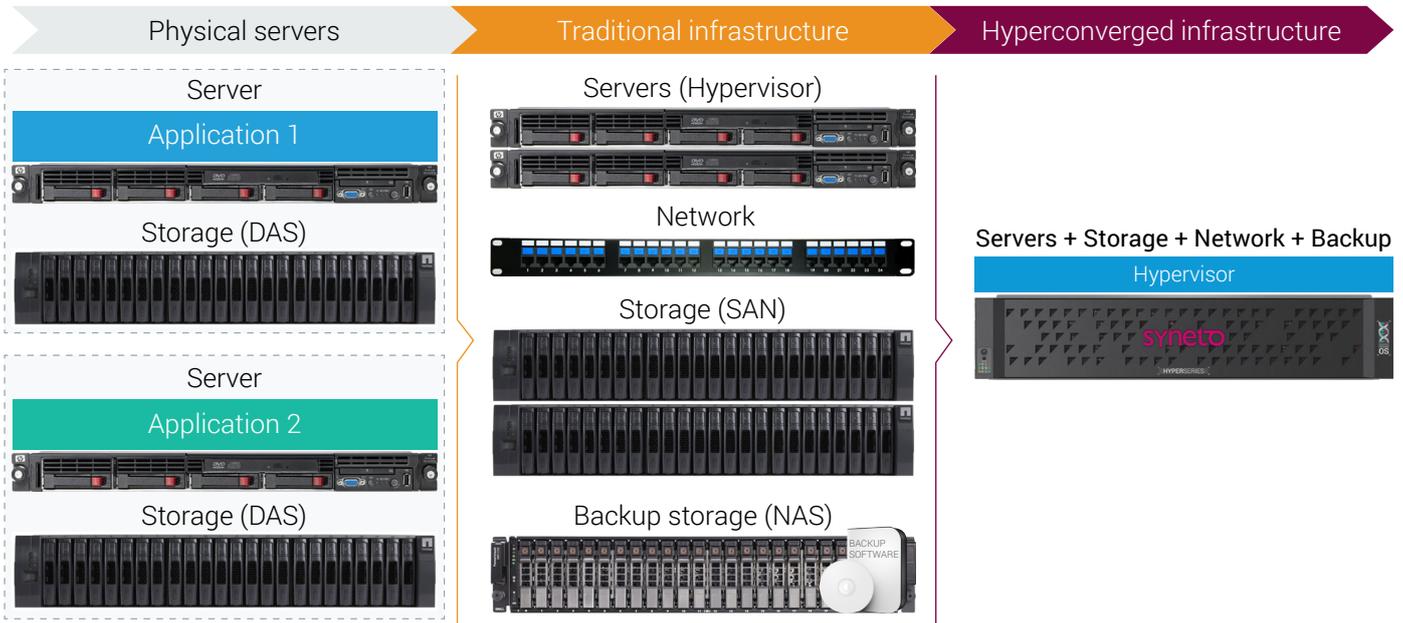


Data protection

Disaster recovery is both difficult and expensive, due to the lack of proper integrated, data protection mechanisms.

What is a hyperconverged infrastructure?

Hyperconverged solutions solve the challenges of traditional IT infrastructures, by putting all of the separate pieces together. They combine compute, storage and networking into a single server, which dramatically simplifies the infrastructure stack.



The benefits of hyperconverged infrastructure

Compared to traditional IT infrastructures which are often over-provisioned, hyperconverged solutions leverage the full potential of modern computing and storage hardware, in a single unified platform.

Hyperconverged infrastructure delivers a far more cost-effective, full-stack IT infrastructure, which also offers great application performance, space efficiency and the fast deployment of resources.



Simplified management

Unifies management in a single, simple interface, so that the system can be easily managed by an IT generalist.



Reduced costs & increased efficiency

Provides a lower purchase price, easy deployment, cost-effective scaling, simple updates and lower operating costs.



Faster deployment and recovery

Enables the fast deployment and recovery of all IT infrastructure resources, including business applications and data.



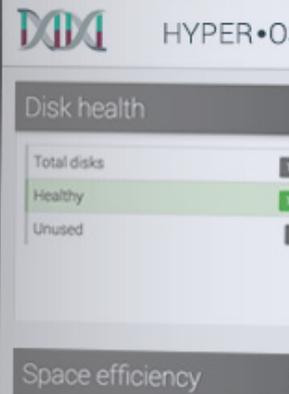
No data loss

Improves data protection mechanisms and allows fast automated disaster recovery, with no risk of downtime or data loss.

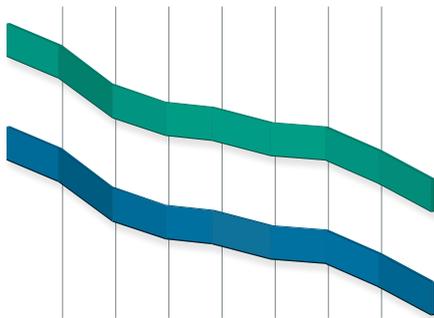
Hyperconverged = infrastructure innovation

Simplified management

For IT people and business managers, the opposite of infrastructure simplicity is the term, Multiple User Interfaces. Traditional infrastructures are built from a variety of components, each with their own vendor-specific interface. This makes support cases hard to manage and deploying new IT resources difficult. Hyperconverged solutions offer you a single management interface and support from just one vendor.



Reduced costs & increased efficiency



1. Capital Expenditure (CAPEX)

Hyperconverged solutions allow you to purchase the whole IT infrastructure from a single vendor, at a lower price, instead of purchasing it in expensive separate parts, from different vendors.

2. Operational Expenditure (OPEX)

Instead of having to run, manage, maintain and pay for an entire rack full of servers and switches, hyperconverged solutions require a lot less manpower and resources to manage and run.

Faster deployment and recovery

Traditional infrastructures require every part to be configured and deployed separately. Similarly, during a recovery scenario, every part of the infrastructure needs to be recovered independently. This makes 10-hour recovery times common.

Hyperconverged infrastructures benefit from built-in vm-centric backups, replication and in some cases, DR units. This makes recovery times much faster vs. traditional infrastructure.



No data loss

Data corruption is a real danger for traditional IT infrastructures. At the same time, due to human error or interoperability issues, 3rd party backup software can also cause data loss.

Hyperconverged solutions are software-defined. They have built-in data corruption detection and self-healing technologies. At the same time, automatic vm-centric backup and replication technologies are designed into the platform from the start. This makes the hardware and software components work together seamlessly.

