

THE PATH TO SCALABILITY IN THE DATA CENTER



Barriers to Scalability in Traditional Infrastructure

UNPREDICTABILITY

Forecasting budgetary and performance needs can be difficult with legacy infrastructure because of its lack of feature-like scaling capabilities, and the possibility of system failure due to age.



COST

With legacy infrastructure, highly technical staff are needed to implement and keep it running. A major hurdle to growth is the overhead that comes with expansion.

COMPLEXITY

Traditional data centers are scattered with separate infrastructure silos and each require separate programs and personnel. Adding new components creates more complexity.

Find the Way to Greater Flexibility and Control

Utilizing a building-block approach, hyperconverged systems allow you to scale easily. Simply add another node that includes storage, networking, and compute resources.

8-node cluster deployment in less than an hour

Deploy 1000 Virtualized Desktops in 70 minutes

You can efficiently spin up new environments with the agility of hyperconverged. It provides greater flexibility for handling peak workloads and resource provisioning. When your needs change, you can easily tear down an environment without disrupting any dependent applications.

Hyperconverged solutions, such as HPE SimpliVity,* are managed on a single platform that can be run by IT generalists. Because of its scale-out nature, adding nodes doesn't add any more complexity to the already existing solution. Each node holds compute, RAM and disk, which allows linear resource scaling.

53% increase in staff productivity

Data center footprint reduced by 10:1

Each node supports multiple VMs, decreasing the amount of hardware and software expenditures needed to run your infrastructure. It's also easier to implement and manage, which eliminates the need for highly specialized personnel on staff. Scaling your infrastructure has never been this efficient and cost-effective.

*HP 380 starts at 2 nodes, and can scale up to 16 nodes

Solve Your Data Center Issues

Hyperconverged

Hyperconverged combines your entire infrastructure into a simple, flexible building block so you can reduce the cost and complexity of your IT environment and deliver the technology your organization needs.



ENABLING DEMAND-BASED AGILITY

In industries where demand fluctuates, like retail and ecommerce, it can be helpful to have a solution that scales easily. With hyperconverged, you can spin up a new environment quickly to handle peak workloads and tear down or reconfigure resource provisioning when things slow down.



CLONING A PRODUCTION ENVIRONMENT

Hyperconverged provides a new approach to development. With the ability to clone production environments in minutes, dev teams can quickly turn out incremental tasks, testing for compatibility without disrupting the production machine. This enables smoother transitions to application upgrades and innovations.



EXPANDING VDI

Hyperconverged is regarded as an ideal platform for VDI. With hyperconverged, you can fit more virtual desktops on less hardware, and easily add nodes when you deploy new desktops. Having greater flexibility enables seamless expansion for organizations running VM environments.

How could scale-out architecture improve your data center?

Benefits of a More Scalable Infrastructure

MEET THE NEEDS OF YOUR CHANGING INFRASTRUCTURE



SIMPLIFY YOUR INFRASTRUCTURE MANAGEMENT



REDUCE COSTS OF MANAGING AND GROWING YOUR DATA CENTER

How to Get Started with Hyperconverged Infrastructure

HPE SimpliVity offers a fast, simple, and efficient hyperconverged platform with the most complete guarantee.

Get the Hyperconverged Readiness Checklist →

Talk to an expert to see what it takes to implement hyperconverged with HPE SimpliVity