

# Hyper-Converged Infrastructure (HCI)

*From one appliance to true web-scale environments, OnApp HCI delivers the real promise of hyper-convergence: more agile, affordable and scalable IT, with unified management across servers, clusters, datacenters and third party infrastructure.*

## USE CASES

- ▶ **Datacenter Modernization**  
Consolidate compute, storage and network infrastructure to reduce cost and improve utilization
- ▶ **IT Agility**  
Automate IT management and provisioning to improve business response time
- ▶ **Reduce storage costs**  
Replace traditional SANs with more efficient and scalable software-defined storage
- ▶ **Planning for growth**  
Scale your IT one unit at a time without 'forklift' upgrades
- ▶ **Disaster Recovery**  
Use software-defined storage to replicate to remote sites for resilience and compliance

## HCI: solving the silo problem

The number of infrastructure types and management platforms a business uses - across its own datacenters and third party providers - creates a siloed IT environment that's complex, expensive, difficult to scale and difficult to manage.

This is the problem hyper-convergence is supposed to solve. Unfortunately, most HCI solutions unify the infrastructure without unifying the management layer.

They're also limited in scale, requiring you to create multiple clusters of hyper-converged appliances: in other words, creating more silos. High complexity, and high cost.

### OnApp HCI - what agile really means

It's time for a better approach. By unifying infrastructure and management, OnApp HCI simplifies IT, helps you maximize utilization and run workloads where they work best.

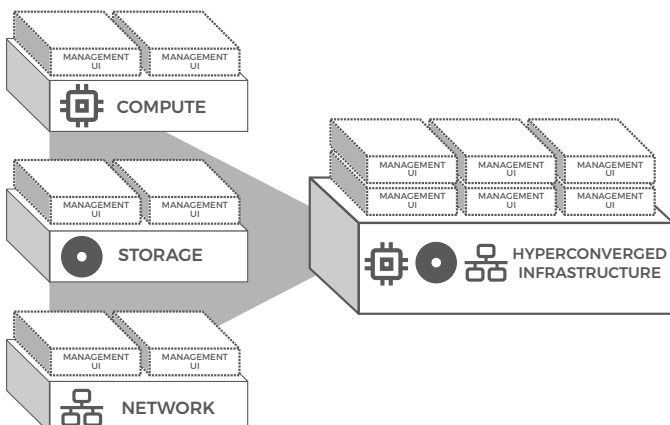
OnApp HCI is available now as a ready-to-run appliance from Intel Technology Partners.

## BENEFITS

- ▶ **Simplifies IT**  
Unified compute, storage and network management
- ▶ **True web scalability**  
From 4 to 100s of nodes per cluster
- ▶ **Asymmetric scaling**  
Nodes don't have to be identical - reducing cost
- ▶ **Single pane of glass**  
Manage and provision workloads across clusters, datacenters and third party clouds
- ▶ **Low cost**  
Less than a third of other HCI solutions
- ▶ **Turnkey deployment**  
Build a production environment in just a few hours

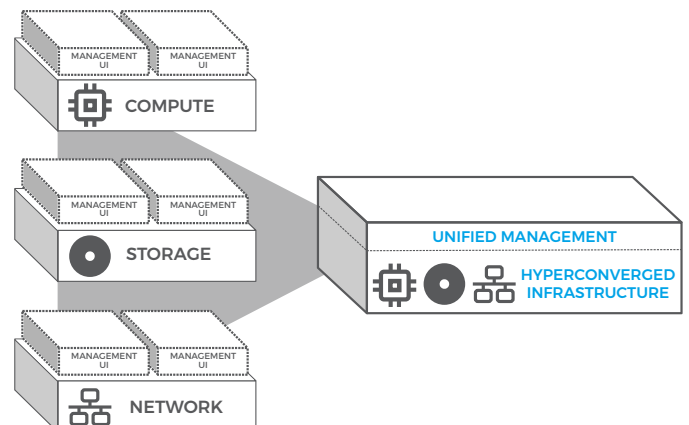
## STANDARD HCI

High cost · Complex management · Limited logical cluster size



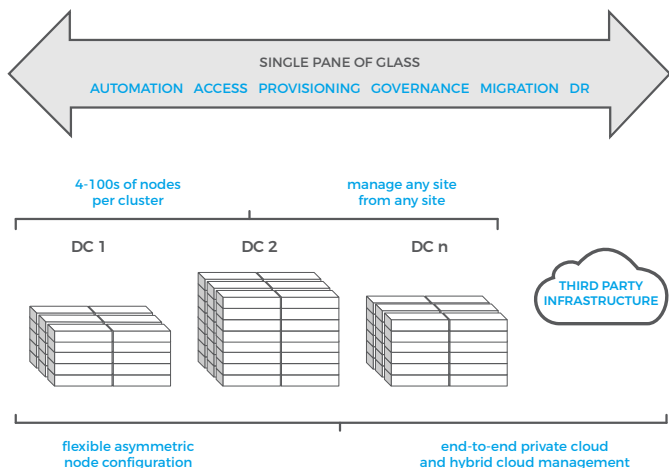
## ONAPP HCI

As little as 1/3 of the cost · Single pane of glass UI · True web scalability



## What makes OnApp HCI different?

*OnApp simplifies the way IT infrastructure is procured and used by your business. It's more scalable, more flexible, easier to manage and lower cost than any other HCI solution on the market.*



### From one appliance to true web scale

Other HCI solutions claim to be scalable, but in reality each logical cluster must contain identical hardware nodes and a limited number of nodes per cluster. This does not deliver the value of hyper-convergence: by creating multiple clusters you're just moving the silo problem somewhere else.

OnApp is designed for web scale environments, giving you unified control of one appliance or hundreds of servers:

**True web scale** - manage hundreds of servers in a logical cluster, multiple clusters across multiple sites, and third party infrastructure through a single pane of glass.

**Asymmetric scalability** - unlike most other HCI platforms, OnApp HCI is asymmetrical: it does not require every node in a cluster to have an identical hardware configuration.

**Flexible storage scaling** - OnApp's software-defined storage allows capacity to vary across nodes: you can add or upgrade disks in any individual node, in order to scale up, as well as adding additional nodes to scale out.

### Agile IT for agile business

OnApp HCI is designed to make IT more agile and cost-effective for your business - and make life easier for your IT team:

**End-to-end automation** - OnApp simplifies hardware deployment, maintenance, orchestration, provisioning, application customization, user management, metering, chargeback and showback by automating everything through a single, intuitive UI.

**Manage any site from any site** - OnApp gives you one management portal for all of your infrastructure - making IT administration faster and easier.

**Workload migration** - manage and migrate workloads across servers, racks and datacenters - run workloads where they work best.

**Cost optimization** - with a single view of your whole IT estate, you can make full use of all available capacity before having to invest in new servers, racks or even datacenters.

**Disaster Recovery built in** - OnApp enables full Disaster Recovery with exceptional RPO/RTO performance. You can replicate individual VMs, clusters or entire datacenters to one or more remote locations, in near real time.

### Low-cost, turnkey deployment

OnApp is a complete, self-contained solution that deploys in a day. With transparent fixed cost licensing and no need for weeks of expensive integration and customization work, OnApp delivers the benefits of HCI at as little as a third of the cost of other solutions.

#### More information:

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