

hyperconvergence

Get Beyond the Hype to Real-World Value

An IDC infographic sponsored by Lenovo

Hyperconverged Infrastructure (HCI) Investments Are Exploding—and Are Strategic

BETWEEN 2014 AND 2016,
Compound annual spending on HCI increased

150%



Digital transformation projects are driving this investment



HCI eases staff resource challenges—creates crucially important time for innovation



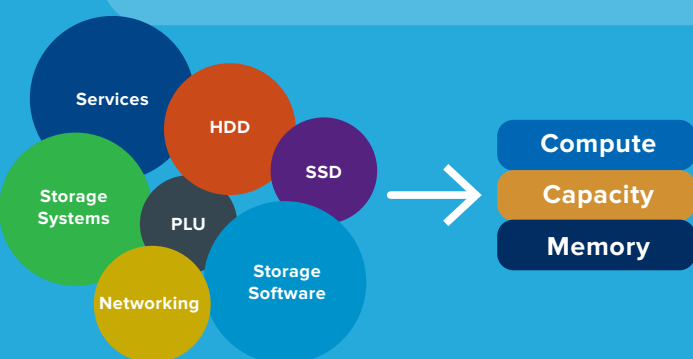
20% of IT staff time now based on innovation and new projects

Why Invest in HCI?

HCI is the natural evolution of convergence

Top benefits similar to first-gen convergence, but more efficient:

- Storage & storage networking are virtualized (SDS)
- Compute and storage services run on same x86 resources
- Scale-out architecture with x86 servers as the core/standard nodes
- All cluster resources are pooled together and act as a single, resilient system



Hyperconverged Systems

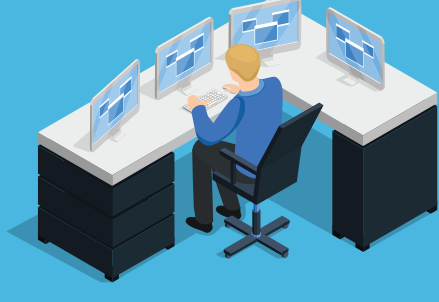
- x86-base shared nothing architecture
- CapEx: No SAN, granular scale, Commercial Off-the-Shelf (COTS)
- OpEx: Deploy, scale, provision, refresh
- Performance: SSDs, data/compute proximity

Beware Common HCI Misconceptions

TOP 3 FALLACIES:

#1: HCI Is Just for VDI or Non-Datacenter Workloads

IDC market data and surveys show the real types of workloads running on today's HCI environments:



- 40% Business Apps
- 35% Collaborative Apps
- 32% Content Apps

#2: HCI Is Just for Small Companies or Branch Offices

Medium & large organizations now represent 39% of global spending on HCI solutions



Very large business now account for 16% of global spending on HCI solutions

#3: HCI Is Only Hype

HCI now accounts for ~25% of total spending on converged systems



HCI is one of the fastest growing portions of the enterprise infrastructure market

Real-World Benefits of Hyperconvergence

TOP CHALLENGES ADDRESSED WITH HCI

Improve IT staff productivity **45%**

Improve operational efficiency **43%**

Reduce capital spending **34%**

Improve backup/recovery **34%**

Improve resource utilization **31%**

DC consolidation **29%**

Efficiency

- VM-level management
- Reduced complexity
- Dedupe/compression

Agility

- Skill-set alignment
- Reduced data center silos
- Faster time to revenue

Reduced Risk

- Improved lifecycle management
- No forklift upgrades/refresh
- Improved DR/HA

Lower Costs

- Standardized x86 building blocks
- Reduced over provisioning
- Reduced facility costs



Top 5 Benefits of HCI

BENEFITS DESCRIBED BY HYPERCONVERGED USERS

65%

Improved storage utilization

63%

Faster provisioning

57%

Improved staff productivity

53%

Reduced downtime/ improved app availability

50%

Improved compute utilization

Learn more about how Lenovo addresses Hyperconvergence at www.Lenovo.com/datacenter