

Launch Your IT Infrastructure into the Multi-Cloud Era with VMware vSphere 8

Begin the countdown to bring cloud benefits on-premises!



Solve Top Infrastructure Challenges With VMware vSphere 8

5

Cloud migration cost overruns continue to mount.

75%

Three quarters of all organizations report that spending on cloud migration exceeds planned budget¹

Bring the benefits of cloud to on-premises workloads

- Leverage existing investments and pivot to a flexible subscription model
- Enhance your on-premises workloads in place with cloud services to empower admins and dev/DevOps teams, and choose from add-on cloud services like disaster recovery, ransomware protection, capacity planning and optimization, and more

4

IT infrastructure teams spend a lot of time keeping up with maintenance backlogs.

Reduce the time spent in IT maintenance windows

- Return to normal IT operations faster from maintenance tasks by pre-staging ESXi image downloads and performing ESXi upgrades simultaneously on multiple hosts

3

IT executives find it hard to scale AI/ML investments in order to justify return on investments.

54%

On average, 54% of AI projects make it from pilot to production²

Scale your IT infrastructure to support complex AI/ML workloads

- Scale available GPU resources efficiently with support for 8 vGPUs per VM
- Speed up training time of complex AI/ML models by deploying up to 32 GPUs and NICs in passthrough mode, per VM

2

While Kubernetes has become the de-facto standard to manage containers, Development teams spend a significant amount of time dealing with infrastructure challenges.

96%

Most organizations are either using or evaluating Kubernetes³

Accelerate innovation for Development teams

- Reduce time spent by DevOps teams to setup and provision infrastructure with Self-service access to IaaS services through the Cloud Consumption Interface
- Simplify Kubernetes cluster lifecycle and package management with API-driven ClusterClass and Carvel-based tooling

1

The increasing demand for infrastructure services leaves fewer computing resources for workloads, increasing overall cost.

33%

Some AI/ML inference services spend as little as a third of the time serving the application needs and the rest in orchestrating services⁴

Achieve lower infrastructure TCO, while boosting workload performance

- Achieve higher workload consolidation per core by offloading network infrastructure services on the DPU

UP TO 20%

Freed up compute capacity that is available to run workloads

- Improve performance of modern distributed workloads like Redis by accelerating network functions on the DPU

UP TO 36%

Improvement in transaction rate

UP TO 27%

Reduction in latency of network packets

Are you ready to bring cloud benefits to on-premises workloads while supercharging performance and accelerating innovation?

Find out how VMware vSphere 8 can help, Learn more at

www.vsphere.com

Sources

- McKinsey & Company, "Cloud-migration opportunity: Business value grows, but missteps abound", Tara Balakrishnan, Chandra Gnanasambandam, Leandro Santos, Bhargs Srivathsan, October 12, 2021.
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- IEEE Micro. "Understanding Acceleration Opportunities at Hyperscale." Akshitha Sriraman, Abhishek Dhanotia, May/June 2021.