

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



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



Improvement in transaction rate



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

1. McKinsey & Company, "Cloud-migration opportunity: Business value grows, but missteps abound", Tara Balakrishnan, Chandra Gnanasambandam, Leandro Santos, Bhargh Srivathsan, October 12, 2021.
2. Gartner®, Gartner Survey Reveals 80% of Executives Think Automation Can Be Applied to Any Business Decision, Press Release, August 22 2022.
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3. Cloud Native Computing Foundation, Annual Survey 2021, February 2022.
4. IEEE Micro. "Understanding Acceleration Opportunities at Hyperscale." Akshitha Sriraman, Abhishek Dhanotia, May/June 2021.