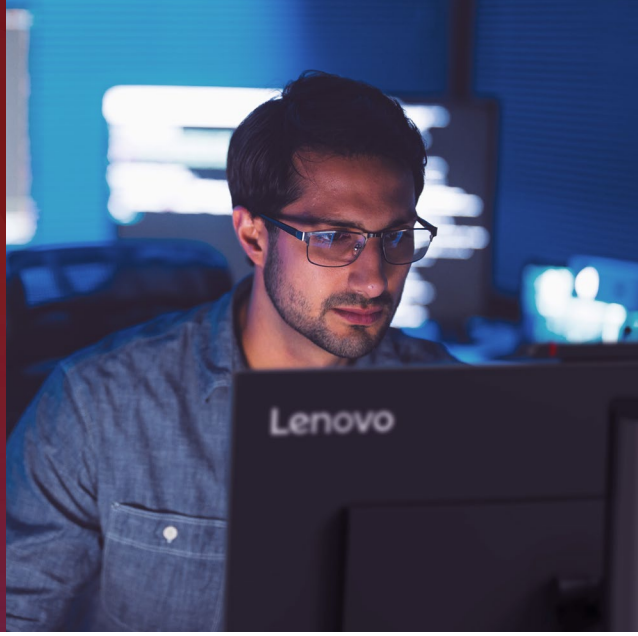
A smarter path to deploying private cloud

Accelerate the deployment of secure, compliant, high-performing private clouds



Private cloud has become a strategic priority for organizations balancing innovation with control. As workloads become more distributed and data becomes more regulated, many enterprises are reassessing where critical applications and data should live.

Public cloud accelerated digital transformation — but it also introduced new cost unpredictability, data sovereignty concerns, and operational complexity. At the same time, AI, machine learning, and high-performance workloads are pushing infrastructure beyond what legacy environments were designed to support. Today, organizations are optimizing where workloads run, placing every workload in the environment that best aligns to cost, performance, and compliance requirements.

As a result, 69% of IT leaders are considering repatriating workloads from public cloud to private cloud, with one-third having already done so.[1] **However, moving to private cloud is not a straightforward task.**

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Deployment introduces risks that many internal teams are not structured to manage alone:

Infrastructure and architecture complexity

Software-defined infrastructure (SDI) requires tight integration across compute, storage, networking, and lifecycle management layers.

Skills and experience gaps

Private cloud deployment requires specialized expertise that differs from day-to-day operational management.

Compliance and sovereignty pressures

Highly regulated industries must maintain strict control over data location, access, and auditability.

Execution risk

Deployment issues can have downstream impacts that create performance issues, unexpected downtime, and the need for costly redesigns.

Smarter technology for all

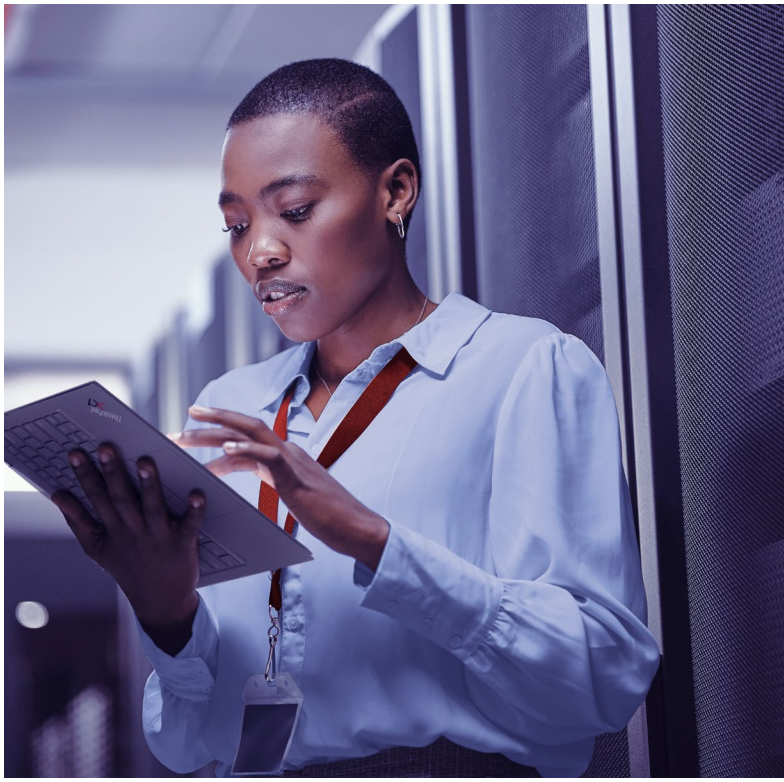
Lenovo

Improve private cloud deployment outcomes with Lenovo

Lenovo Private Cloud Deployment Services provides a structured, expert-led path to deploying production-ready private cloud infrastructure. This one-time services engagement helps organizations deliver modernized, high-performance infrastructure, accelerate time to value, and meet regulatory requirements while minimizing service disruption.

Delivered by Lenovo-certified deployment experts, this offering combines deep platform expertise, validated architectures, and proven deployment methodologies to reduce deployment risk and complexity. The result is faster deployment with fewer surprises, enabling infrastructure teams to move forward with confidence.

This engagement validates and implements an approved design. If an approved design is not yet in place, Lenovo Hybrid Cloud Plan & Design services may be engaged prior to deployment.



Validation

- Validate approved architecture and deployment design
- Align the implementation plan to performance, compliance, and operational goals

Implementation and integration

- Build and configure the private cloud environment
- Integrate infrastructure and software components
- Validate system performance, resilience, and security posture

Handover and enablement

- Knowledge transfer and operational readiness support
- Documentation delivery
- Transition to full customer operational ownership

Deliver results with Lenovo private cloud deployment solutions

Faster deployment timelines accelerate time to value

Reduced implementation risk and a compliance-ready infrastructure foundation for more predictable costs

Gain business agility and support evolving SDI platforms as private cloud strategies expand over time

> "The Lenovo SDI solution has greatly improved the continuity of medical services across the hospital."
>
> **LI XUAN**
> DIRECTOR OF INFORMATION CENTER, NANJING FIRST HOSPITAL
>
> READ THE CASE STUDY >

Deploy software-defined VMware private clouds with confidence

Many organizations are evolving from traditional virtualization environments to full SDI using VMware Cloud Foundation®. This shift expands private cloud beyond compute virtualization to include tightly integrated storage, networking, and lifecycle management capabilities.

However, the transition to VMware Cloud Foundation creates deployment complexities, and successful implementations require precise sequencing, deep platform knowledge, and alignment with validated reference architectures.

Lenovo professionals with VMware certifications deploy VMware-based private cloud environments using validated designs and proven methodologies — helping ensure environments are stable, high-performing, and ready to support enterprise workloads.

Lenovo Private Cloud Deployment Services

A smart way to deliver your VMware platform

Accelerate time to production

Reduce deployment cycles while maintaining stability and performance requirements.

Reduced transition risk

Avoid configuration drift, integration errors, and lifecycle management misalignment.

Full-stack deployment alignment

Deploy compute, storage, networking, and management layers as a cohesive platform — not as isolated components.

Lenovo

Deploy your private cloud with a partner you can trust

Lenovo experts help you reduce risk, minimize disruption, and accelerate your transition to private cloud.

Trusted delivery

- Lenovo combines global services delivery capabilities with deep infrastructure expertise and deployment professionals who are certified in the technologies they support
- Proven deployment methodologies refined across thousands of engagements
- Deep ecosystem partnerships

Better outcomes

- Reduce risk and accelerate time to value while maintaining infrastructure ownership
- Reduce deployment complexity and risk
- Deliver a production-ready environment at handover

Future-focused

- Support evolving workload demands including AI, analytics, and next-generation workloads
- Align to modern software-defined architectures
- Maximize performance, compliance, and scalability

#1 in x86 server reliability for 11 consecutive years[2]

#1 in x86 security for 6 consecutive years[2]

#8 supply chain as ranked by Gartner®[3]

2025 IDC MarketScape Major Player for hybrid IT infrastructure consulting and integration services[4]

Major Contender in Everest Group's Private Cloud Services PEAK Matrix® Assessment 2025[5]

Ready to optimize your private cloud deployment strategy?

To learn more about Lenovo Private Cloud Deployment Services, contact your Lenovo sales representative or visit Lenovo Implementation Services.

Sources

1 VMware, "Private Cloud Outlook 2025: The Cloud Reset," 2025
2 ITIC, "ITIC 2024 Global Server Hardware, Server OS Reliability Report," November 2024
3 Gartner Report, The Gartner Supply Chain Top 25 for 2025: Methodology and Ranking, By Simon Bailey, Kimberly Ennis, June 2025
4 IDC MarketScape: Worldwide Hybrid IT Infrastructure Consulting and Integration Services 2025 Vendor Assessment, #US53312825, April 2025
5 Everest Group, "Everest Group Private Cloud Services PEAK Matrix® Assessment 2025," November 2025

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