

The Lenovo logo is displayed in white text on a red rectangular background.

# Next-generation infrastructure with Windows Server 2025

Advance performance  
and AI readiness

**Windows Server 2025** is a modern infrastructure platform with all the capabilities and built-in security that businesses need to run critical workloads – on premises, in the Azure cloud, and at the edge. See what's new in Windows Server 2025 and discover the advantages of taking your infrastructure into the next generation.

**Upgrading to Windows Server 2025 on the latest Lenovo servers means you're ready – ready for AI, ready to use new technologies that will power the next phase of your transformation, and ready for whatever cyber-attackers can throw at you.**

- Significantly reduce server downtime and speed up the update process with Hotpatching for Windows Server and SQL Server.
- Protect your users and data with powerful new security features.
- Maximise GPU utilisation with GPU partitioning that supports live migration and failover clustering.
- Greatly increase storage and database performance with significantly more IOPs for NVMe SSDs.
- Take full advantage of the power of the latest Lenovo server systems when you plan your IT refresh.



## Business challenges and pain points

- We want to build in security that reduces risk without increasing effort.
- We need to modernise infrastructure within restricted IT budgets.
- We want to build an efficient, powerful foundation for generative AI.
- We're spending too much time on routine server management tasks.
- We need more value from our existing and upcoming GPU investments.



## Key advantages

- **Lightning-fast storage** – Up to 100% more IOPS on NVMe storage drives.
- **No-effort, no-downtime updates at scale** – Patch hundreds of servers running Windows Server or SQL Server in hours, not days or weeks.
- **More value with fewer GPUs** – Share GPUs across multiple virtual machines to increase utilization and take advantage of failover clustering and live migration.



## Who can benefit?

- **Business leaders** can reduce IT management costs, increase productivity, and get the right foundation for transformation with AI and accelerated compute.
- **IT teams** can spend significantly less time on repetitive tasks such as server upgrades, and more time supporting innovation projects.

# Windows Server 2025 highlights



## Update server estates in hours, not weeks

Does updating servers take up too much of your IT team's time? Hotpatching with Windows Server 2025 and SQL Server enables you to:

- Update hundreds of servers in hours without downtime.
- Update on-premises and cloud servers running Windows Server 2025 Standard and Datacenter Editions.



## Reduce risk of a data breach

Security continues to be a top priority for business worldwide. Windows Server 2025 introduces foundational security enhancements that help you provide:

- Next-generation security and protection for your users and their data.
- Modernised authentication with a reduced attack surface compared to standard systems.



## Power AI with greater efficiency

GPUs are costly, but you need them to power demanding workloads like AI. Windows Server 2025 gives you more intelligent ways to utilise GPUs, with GPU Partitioning supporting a wide range of NVIDIA GPUs.

- Maximise efficiency by sharing a GPU across many virtual machines and users.
- Meet high performance demands by assigning a full GPU to one virtual machine where required.
- Enhanced scaling and availability with live migration and failover clustering.



## Provide fast and secure file access anywhere

You can provide secure, fast, and reliable connectivity for file sharing over untrusted networks like the Internet, with SMB over QUIC in Windows Server 2025. QUIC sets a new standard for always-encrypted and authenticated data transport. In Windows Server 2025 it will help protect your business and enable future innovation.

# The final word

The technologies that will power tomorrow's server infrastructure are in Windows Server 2025 today. Upgrade to Windows Server 2025 with the latest Lenovo servers to enable efficient AI, next-gen file systems, and modern security for your users and data. And empower IT teams to focus on innovation, not routine tasks, with a game-changing new way to update servers at scale.

To discuss your upcoming project, please [contact us](#) or speak with your **Lenovo Business Partner**.

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technology  
for all**

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