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**TruScale**

# TruScale for HPC

Power Your Vision with HPC Simplicity and Speed

Innovation demands high performance computing. But for most organizations, building and managing an HPC infrastructure is complex and resource-intensive. TruScale for HPC brings the power of HPC as a service. With a fully managed solution deployed onsite or in a colocation facility, get cloud-like scalability and flexibility with the speed and security of on-prem infrastructure. Simply define your vision, select your usage model, and our experts handle the rest - delivering and supporting optimized HPC tailored to your needs. Now you can fuel innovation and discovery with a streamlined HPC experience that scales on demand.

**The vision is yours, the simplicity is ours. Power your most ambitious ideas with TruScale for HPC.**

## Complexity Limits Innovation

While high performance computing unlocks innovation, over 70% of organizations struggle to implement and manage complex HPC infrastructure. IT teams waste countless hours deploying, monitoring, and maintaining systems. Hardware quickly becomes outdated, causing performance lags. Businesses need an agile HPC solution to fuel R&D and discovery without the headaches.

## Fully Managed, Optimized HPC

TruScale for HPC delivers with a fully managed, scalable HPC service deployed onsite or in a colo. Now you can achieve cloud-like agility with on-prem speed and control. Our experts handle everything from deployment to upgrades, freeing you to power ideas that change the world.

- Infrastructure That Grows With You

With TruScale for HPC, say goodbye to complex deployments and time-consuming system management. Our experts handle everything from initial infrastructure design to ongoing support and hardware upgrades. Simply define your compute goals, and we deliver and manage a tailored HPC environment that evolves with your needs. No more scrambling for resources to install, monitor, and maintain systems. Now your IT team can focus on innovation, not infrastructure.

- Cloud-Like Agility With On-Prem Control

Get the best of both worlds with the elastic scalability of the cloud and the speed, security, and control of on-prem infrastructure. TruScale for HPC allows you to dynamically add and reduce capacity as your workloads change. Our flexible financial models let you pay only for the HPC resources you need. And with infrastructure residing onsite or in a colo, you maintain complete data sovereignty and minimize latency. Innovate faster with an HPC environment that adapts at the pace of your ideas.

- Optimized Performance For Your Workloads

TruScale for HPC delivers solutions purpose-built for your unique use cases. Our experts assess your goals and design HPC infrastructure tailored to your needs. Ongoing management ensures you always have the right resources to power breakthroughs. And with regular hardware refreshes, you benefit from the latest technologies, including advanced GPUs. Unlock maximum HPC efficiency to accelerate insights and shorten time-to-discovery.



## Unique metering capabilities for more insight and control

Lenovo TruScale metering provides unprecedented visibility into how your HPC infrastructure is utilized. Our job-based metering technology precisely tracks GPU, CPU, and memory usage at the workload level. This enables accurate attribution of resource consumption across users, departments, and projects.

With TruScale metering, you gain the insight needed to optimize workload scheduling, right-size infrastructure, and allocate costs. Detailed utilization data helps identify opportunities to consolidate workloads, reclaim unused capacity, and reduce your HPC footprint. You can also pinpoint which applications drive the most demand, guiding decisions on future resource procurement.

## What we offer

Revolutionize discovery with turnkey HPC simplicity. TruScale for HPC takes the complexity out of high performance computing, delivering a combination of hardware, software, and services. You simply define requirements, then our team handles the rest. Fuel innovation on demand with a fully managed HPC service scaled to your vision.



### Discover

Lenovo HPC professionals meet with your team to discuss your goals for your HPC infrastructure and the technology needs to support bringing that vision to reality in a space at the customer's location or a colocation.



### Assessment

Lenovo's HPC Experts design your system optimized to meet the goals specified in the Discover session and delivers a recommendation of how to implement the HPC system.



### Deploy

Lenovo's Services professionals come to the customer site or colocation where they will build and deploy the HPC system resulting in the customer having a fully functional HPC system on their site or at their colocation.



### Support

Lenovo assigns a dedicated HPC Systems Administrator to your account and a customer success manager to help you manage and plan for your HPC infrastructure. Lenovo provides all repairs, management, and support for your deployment for the lifetime for your TruScale contract at no extra cost.



### Refresh

Every 3 years customers receive a technology refresh meaning TruScale customers always have up-to-date hardware to meet their HPC needs.

## Key benefits

- **Fully managed HPC infrastructure:** Experts handle deployment, optimization, support with on-site or colocation options. Built-in systems admin & customer success manager.
- **Scalable, cloud-like agility:** Elastic capacity scaling, usage-based billing options, dynamic resource adjustment.
- **Speed and security of on-prem:** Low latency, complete data sovereignty, avoid cloud network bottlenecks.
- **Tailored HPC solutions:** Consultation to understand needs, systems designed for your workloads, ongoing optimization and right-sizing.
- **Regular technology refresh:** Latest CPUs, GPUs, interconnects. Hardware upgrades every 3 years, continuous peak performance.
- **Flexible financial models:** Traditional lease, metered billing based on utilization, OpEx vs CapEx options.
- **Full-stack HPC management:** Monitoring, maintenance, troubleshooting. Proactive support and issue resolution, maximize uptime and productivity.





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## Turn Visions into Breakthroughs

Power your vision with high performance computing simplified. TruScale for HPC delivers flexible, fully managed HPC tailored to your needs. Our experts handle everything from optimized infrastructure design to ongoing support and upgrades. Innovate faster with cloud-like agility and on-prem control. Simply define your vision, select your usage model, and leave the rest to us.

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**Contact us today to unlock the power of TruScale for HPC**

Talk to your Lenovo representative today or visit <https://techtoday.lenovo.com/us/en/solutions/iaas/truscale-hpc> for more information.

[truscale.com](https://truscale.com)

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