Lenovo

Lenovo
TruScale

Making it easier than ever to deploy Innovative AI Solutions at the Edge

TruScale for the Edge

Now more than ever organizations are trying to integrate powerful AI tools into day-to-day experiences.

Deployments on the edge are necessary to make this a reality, but supporting this new level of integrated technology can be complex, expensive, and hard to maintain. IT teams today are looking for ways to simplify the experience of deploying and managing hardware at the edge **across multiple locations** while being able **to scale, grow, and add to their capabilities** when they need to.

With TruScale for Edge and AI Lenovo Brings an Answer

TruScale is a monthly subscription service that simplifies the Edge IT experience by bringing Lenovo's industry-leading edge hardware, expert services, and Lenovo's intuitive orchestration software (LOC-a) together into an Edge as a Service solution. TruScale for Edge delivers customers a highly secure end-to-end IT experience at the edge that is fully supported by Lenovo and our services professionals globally in a metered subscription model.

Lenovo seamlessly provides Lifecycle Services from the Data Center to the Edge

- Offers a fully supported and managed Edge Infrastructure experience for AI workloads

- Keeps IT staff focused on core business innovation

- Procures and deploys new machines faster than ever

- Provides expert technical support anywhere, from the data center to edge locations

2 Configure
3 Deploy
4 Support
1 Plan
5 Manage
6 Retire

99.95% data availability for mission critical systems (Konekta) [1]

Cost Reduction of services delivered (**20%** for JustOne Solutions) [2]

98% faster VM creation times (Servimed) [3]

Reduces procurement and deployment times, speeding up solution delivery by up to **30%** for the ZKW group [4]

1. https://www.lenovo.com/us/en/case-studies-customer-success-stories/konecta-peru/
2. https://www.lenovo.com/us/en/case-studies-customer-success-stories/justone-solutions/
3. https://www.lenovo.com/us/en/case-studies-customer-success-stories/servimed/
4. https://www.lenovo.com/us/en/case-studies-customer-success-stories/ZKW-group/

Lenovo

Smarter technology for all

Lenovo

Powered by Best-in-Class Hardware

Edge Client					Edge Server			Datacenter

SE10	**M90n-1**	**SE30**	**SE50**	**SE70**	**SE350***	**SE450**	**SE455**	**ThinkSystem**
intel ATOM	intel CORE	intel CORE	intel CORE i7	NVIDIA	intel XEON D	intel XEON	EPYC	intel XEON / EPYC
-20C to 60C	0°C to 50°C	-20°C to 60°C	0°C to 50°C	-20°C to 60°C	0°C to 55°C	-5°C to 55°C	0°C to 55°C	0°C to 35°C
ATOM	Celeron, i3, i5	Core™ i3, i5	Core™ i3, i5, i7	NVIDIA Jetson	Xeon® D-2100	Xeon® SP 3rd Gen	AMD SP6	
Up to 32 GB RAM	Up to 8GB RAM	Up to 16GB RAM	Up to 32GB RAM	Up to 16GB RAM	Up to 256GB RAM	Up to 1TB RAM	Up to 576GBRAM	

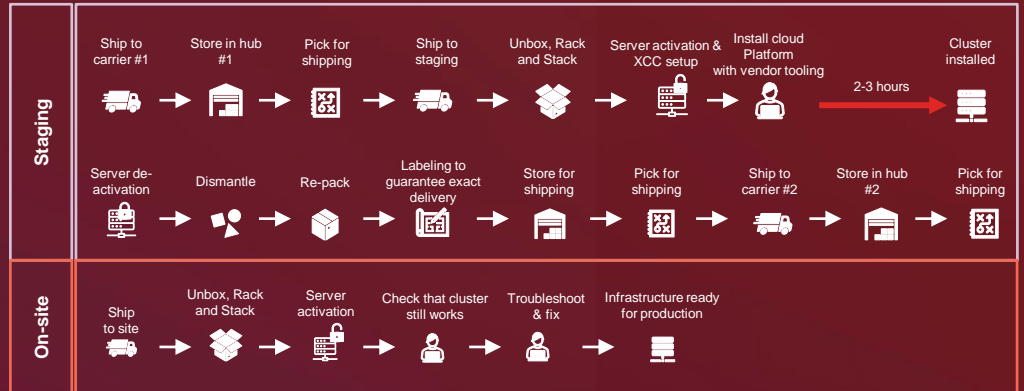| **Gateways**	**Base Station / DC Closet**	**Data Center**
Diverse Portfolio	**Highest Performance**	**Flexible Deployment**
From ultra compact gateways to data center grade products.	CPU & GPU rich systems for ultimate performance.	In harsh environments with ruggedized devices & unique cooling capabilities.

LOC-A (Lenovo Open Cloud Automation)

Lenovo Open Cloud Automation (LOC-A) is a software solution that rapidly deploys and manages the lifecycle of on-prem cloud infrastructure, regardless of its location: inside of a datacenter or distributed in your remote edge locations.
LOC-A uses Infrastructure as Code and GitOps best practices for consistent and error-free results. This speeds up on-prem cloud deployment on bare-metal servers and helps maintain a good security posture by avoiding configuration drift.

Before LOC-A

- Complex logistics chain and long, manual deployment times
- Manual installation is staff-dependent
- More locations = more $$ spent per site
- Travel, waste output at multiple sites increases carbon footprint

Staging row: Ship to carrier #1 → Store in hub #1 → Pick for shipping → Ship to staging → Unbox, Rack and Stack → Server activation & XCC setup → Install cloud Platform with vendor tooling → (2-3 hours) → Cluster installed

Server de-activation → Dismantle → Re-pack → Labeling to guarantee exact delivery → Store for shipping → Pick for shipping → Ship to carrier #2 → Store in hub #2 → Pick for shipping

On-site row: Ship to site → Unbox, Rack and Stack → Server activation → Check that cluster still works → Troubleshoot & fix → Infrastructure ready for production

After LOC-A

- Reduces Edge deployment time up to 3.3x*
- Reduces required resources up to 4.1x*
- Saves up to 50% in deployment costs (scenario dependent)
- Reduces carbon emissions by up to 65%*

*900 sites with 3 nodes

Factory → Shipping → Unbox, Rack and Stack → Server Activation → Automate remote deployment

Execute configuration playbook for hardware, Operating Systems and Cloud

Lenovo TruScale

Want to find more?
To learn more about how TruScale can support your journey go to **https://techtoday.lenovo.com/us/en/iaas** or reach out to one of our experts on **truscale@lenovo.com**