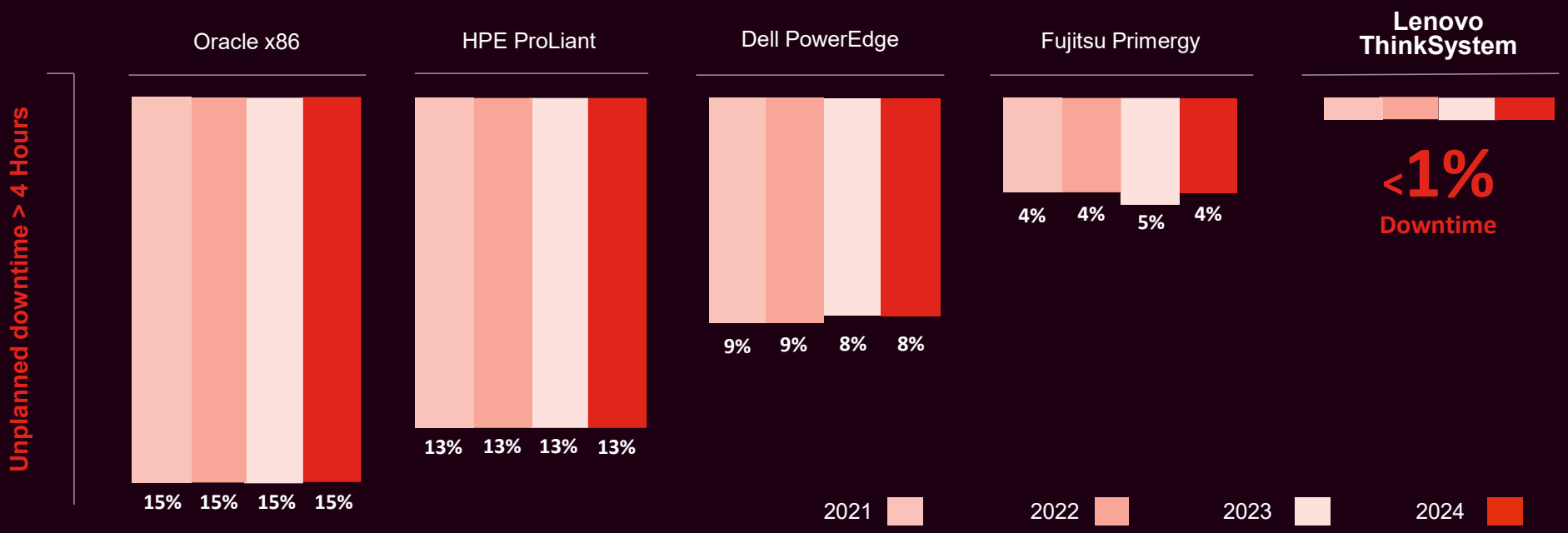
Smarter technology for all

Lenovo ISG

Lenovo

Lenovo is #1 in server reliability – 11 years running



Lenovo ThinkSystem servers consistently achieved the **lowest actual x86 downtime according to almost 2,000 corporations surveyed in 40 vertical market segments worldwide.**

ITIC Report Nov 2024

We've achieved >6X as many current #1 world records as any other server vendor

Current as of January 2026

685 World records in workload performance

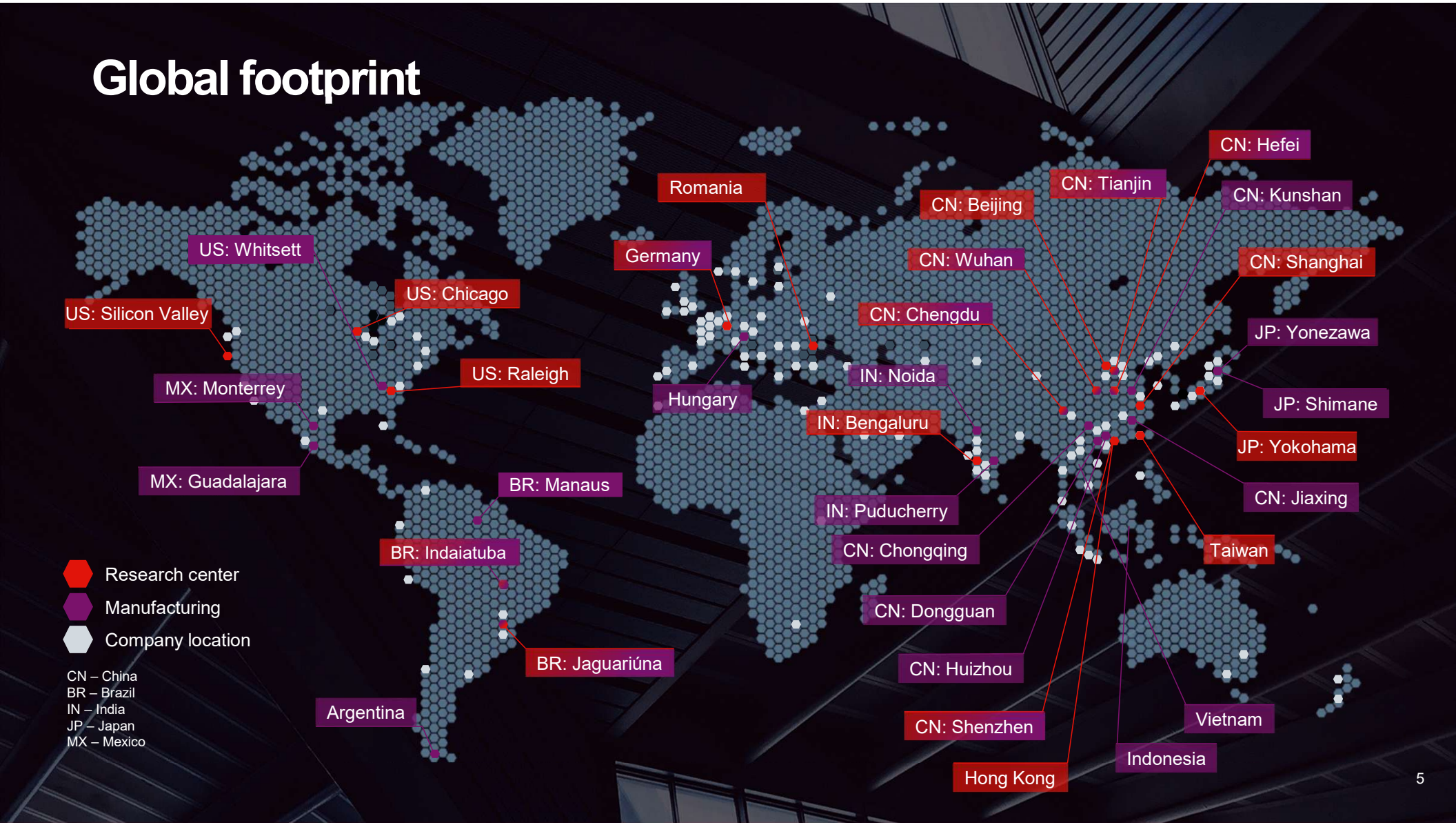
280

World records
set by servers running 2nd 3rd 4th and 5th Gen AMD EPYC™

405

World records
set by servers with Intel® Xeon® Scalable Processors

Global footprint



ThinkSystem Servers

Tower Portfolio

Flexible & affordable servers built for distributed IT environments including branch offices, retail stores and SMBs.
Easy to deploy, manage and scale without the need for traditional datacenter footprint.

Small Business & Office IT

ST45

ST50

- Remote office
- Enterprise applications & storage for growing businesses
- Retail back office

Scalable Business Compute

ST250

- Virtualization
- Branch office
- Enterprise resiliency

Enterprise-Class Performance

ST650

- High-density virtualization
- Large databases & analytics
- Consolidation & hybrid cloud

Rack Portfolio

Enterprise grade rack servers that balance performance, flexibility and manageability for virtualized workloads, business critical apps, hybrid cloud environments and AI.

Light Compute & General IT

SR250

- Core IT infrastructure
- Lightweight applications

SR630

Performance & Virtualization

SR635

- Virtualization & cloud computing
- Scalable IT workloads
- Data center efficiency

SR645

AI & HPC Optimized Compute

SR650

SR650a

- High-density virtualization
- AI-ready scalable infrastructure
- Business intelligence & analytics

SR655

SR665

SR675

- High-density GPU computing for AI
- HPC workloads & deep learning
- Scientific modeling & AI training

Large Memory Portfolio

Delivers powerful compute capacity for high-speed analytics, complex modeling and transaction processing. Optimized for SAP HANA and in-memory database workloads that demand large-scale memory and high I/O.

Scale Up Enterprise Workloads

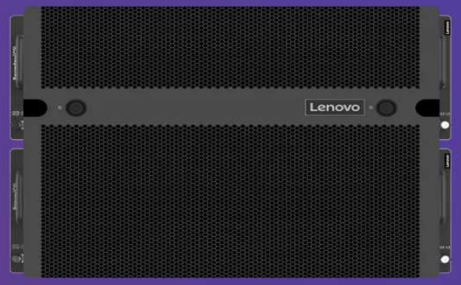
SR850

- High-performance database
- Transaction heavy apps
- Business critical IT
- SDI

SR860

- Increased expandability

In-Memory Database Engine

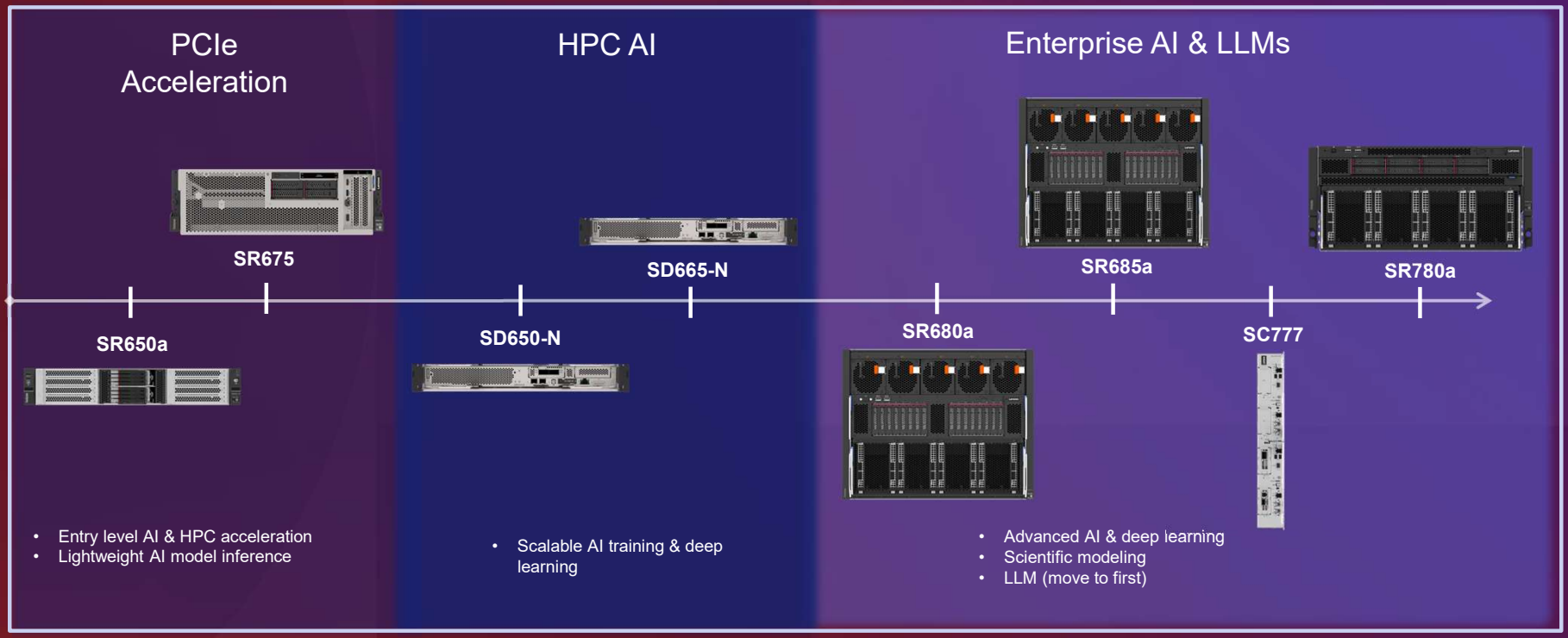


SR950

- Real-time transaction processing
- SAP HANA
- ERP & CRM Workloads

HPC & AI Workload Portfolio

Platforms designed to accelerate AI model training, HPC simulations and LLM development. Equipped with high GPU density and innovative Neptune cooling for maximum performance and thermal efficiency.



New Lenovo AI Inferencing servers

Precision, speed, and power at every level

70 to > 600B
Parameter AI Models

Fast-edge inferencing

Lenovo ThinkEdge SE455i V3

Real-time inference closer to your data

Ultra-low latency and rugged reliability

Efficient datacenter inferencing

Lenovo ThinkSystem SR650i V4

Proven reliability with industry size

Economic data center inference

Powerful inferencing

Lenovo ThinkSystem SR675i V3

A single platform for both inferencing and training

Scalable with high levels of token per watt

Neptune™ with industry-leading liquid and air-cooled options

Lenovo ThinkEdge SE455i V3

Networking: Broadcom 57416 10GbE adapter – suitable for edge connectivity.

Memory: 6× 96GB TruDDR5 4800MHz RDIMM – sufficient for smaller models.

Storage:
1x 3.84TB NVMe SSD

Power & Cooling: 2× 1800W Platinum PSUs, compact airflow design for edge deployments.

CPU: 1× AMD EPYC 8534P (64 cores, 160W, 2.55GHz) – efficient edge compute.

GPU: 2× NVIDIA L4 (24GB, PCIe Gen4) – optimized for low-power inferencing at the edge.

Where to learn more?

- Product Guide; Datasheet

Lenovo ThinkSystem SR650i V4

Where to learn more?

- Product Guide; Datasheet

Networking: Broadcom 57414 10/25GbE SFP28 2-port PCIe Ethernet Adapter.

Memory: 8× 64GB TruDDR5 6400MHz RDIMM – large memory footprint for model loading.

Storage:
2× 2.5" NVMe Gen5 SSD (3.84TB each) for high-speed data access.

Power & Cooling: 2× 2700W Titanium PSUs, optimized airflow for GPU-heavy workloads.

CPU: 2× Intel Xeon 6530P (32 cores each, 225W, 2.3GHz) – High compute for preprocessing and orchestration.

GPU: 2× NVIDIA RTX PRO 6000 Blackwell Server Edition (96GB, PCIe Gen5) – main inferencing acceleration.

Lenovo ThinkSystem SR675i V3

Where to learn more?

- Product Guide; Datasheet

Networking: NVIDIA BlueField-3 DPUs (400G and 200G adapters)

Memory: 24× 64GB TruDDR5 6400MHz RDIMM – supports large batch inferencing.

Storage:

- 2× E3.S NVMe Gen5 SSD (3.84TB each) for dataset caching.
- 2× M.2 NVMe SSD for boot.

CPU: 2× AMD EPYC 9535 (64 cores each, 300W, 2.4GHz) – ideal for multi-threaded AI workloads.

GPU: 8× NVIDIA RTX 6000 Blackwell Server Edition (96GB, PCIe Gen5) – massive inferencing throughput.

Power & Cooling: 4× 2600W Titanium PSUs, high-performance fans for dense GPU configuration.

Lenovo Neptune Cooling

Lenovo: The Recognized Leader in Liquid Cooling Technology

Lenovo Neptune™

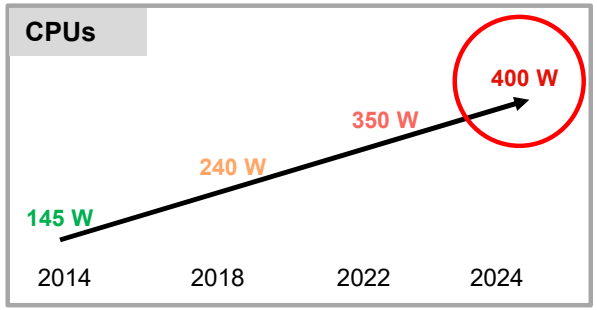
Holistic Approach to Liquid Cooling

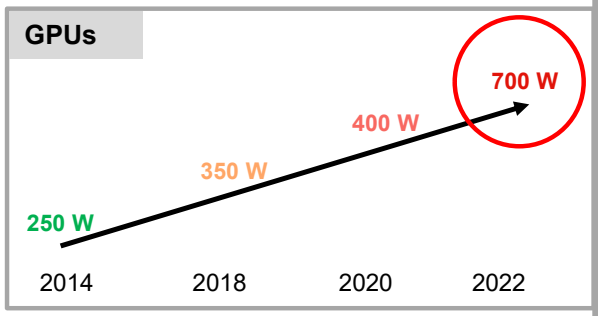
Energy Usage Optimization

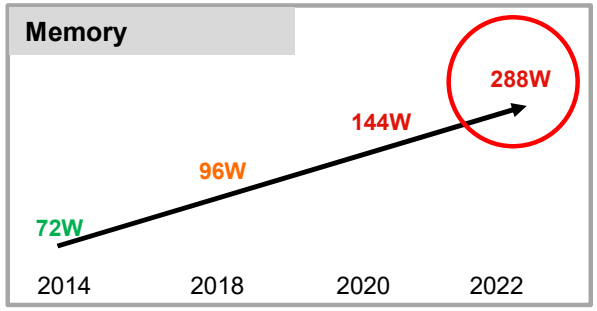
Maximizing Performance

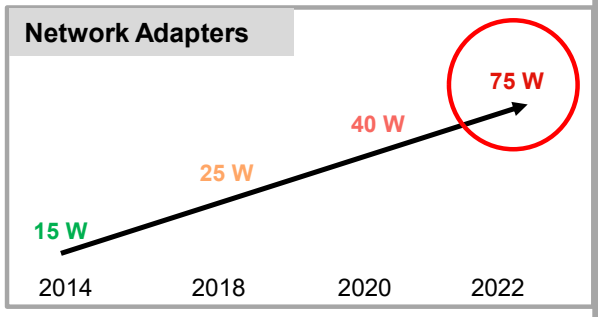
Deliver Carbon Neutral Computing

Traditional Cooling Approaches Are Reaching Critical Limits









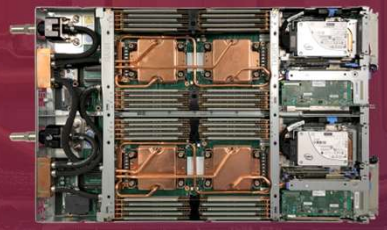
1800W

Requires

- Greater CFM = Cubic Feet per Minute
- more **fans**, higher speeds
- Higher performing **heat sinks** (needs liquid)
- Increase in datacenter air-handling capabilities
- High-capacity **power supplies**

Evolution of Lenovo Liquid Cooling

Neptune®



2012

Direct Water Cooling Introduced

2018

Lenovo Neptune™ Launches

2020

Neptune™ Liquid-Cooling Expands

2024

6th Generation Neptune™

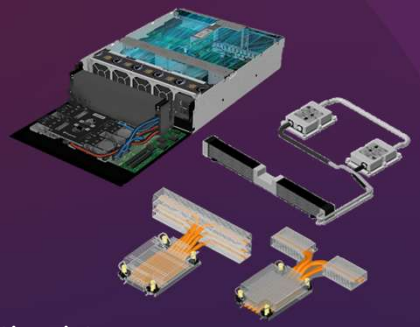
Lenovo Neptune® Technology Family

Neptune®

- The original, market-leading **100%** direct water cooling
- Warm water up to 45°C inlet
- #1 performance density platform
- ExaScale to EveryScale™ design
- Lowest PUE

Neptune® Air

- Liquid Assisted HS Cooling to **Air**
- Closed Loop with Radiator Design
- Best air-cooling efficiency
- Full configurability; easiest to deploy
- Highest PUE; no DC heat rejection to liquid

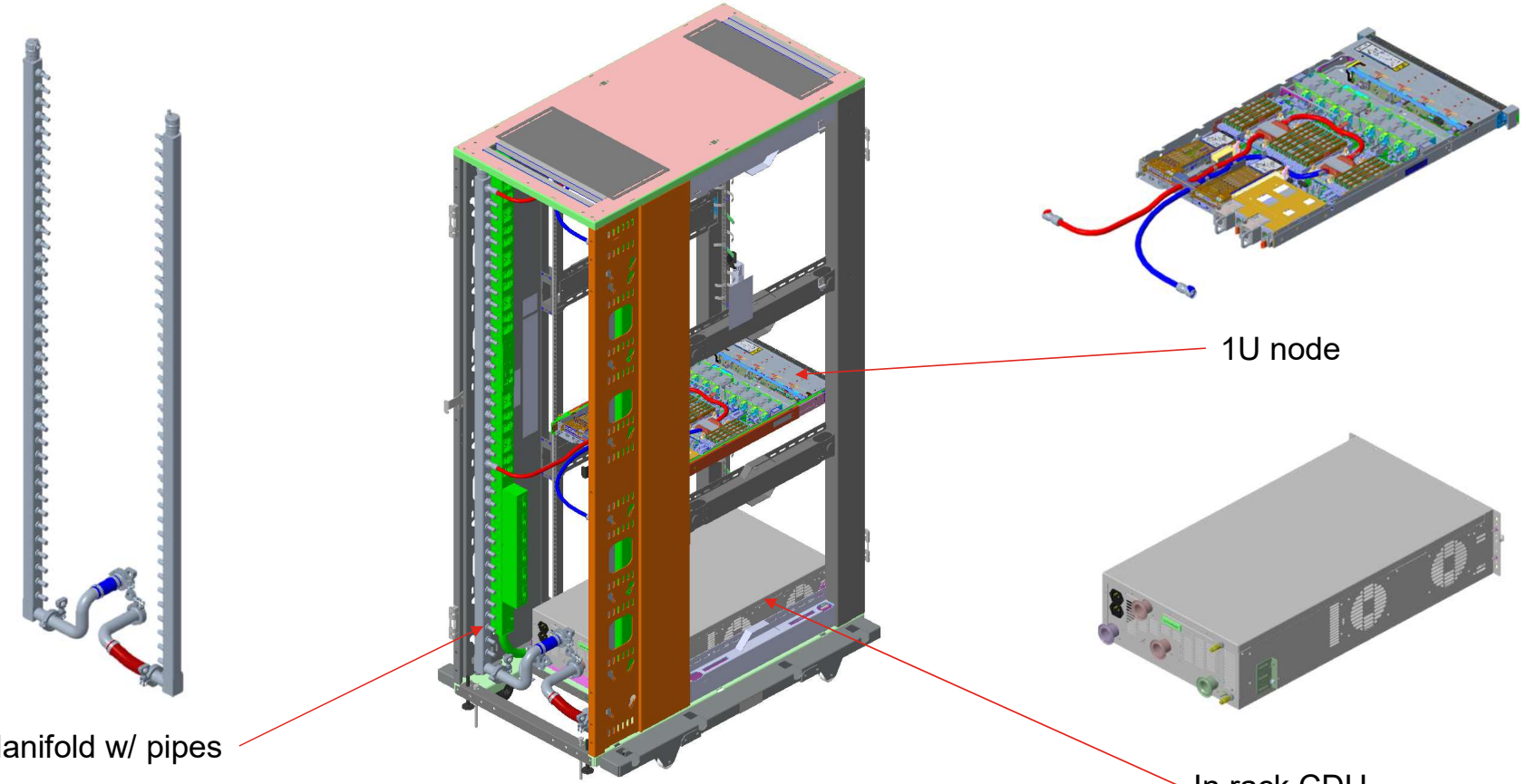


Neptune® Core

- Targeted at the **"hottest"** Components
- Open Loop Direct Water Cooling
- PUE ~1.2, 80% heat capture to liquid
- Maintain most configurability
- Low airflow requirement

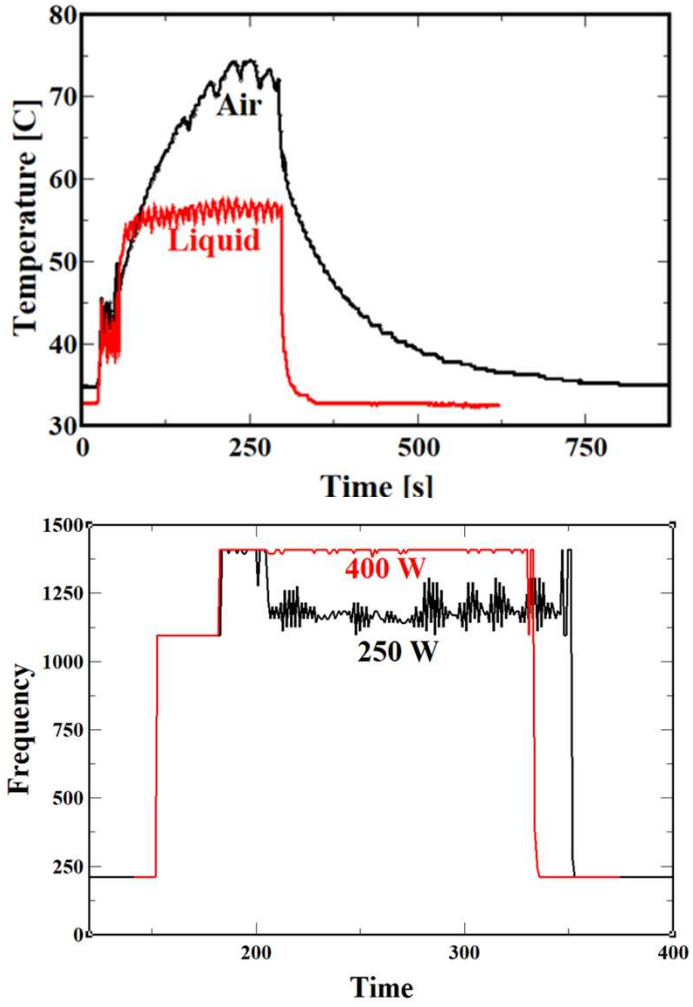
Lenovo Neptune® offers the right choice for your datacenter at every scale.

Liquid-to-Liquid CPU Cooling Solution (In Rack CDU)



Performance Benefits of Liquid Cooling

- Highest absolute performance
- Lower power efficiency out of the box
- Increased thermal efficiency with liquid cold plates
- Liquid cooled with Neptune
  - Stay well below throttling temperatures
  - No fan power required.
  - Provides reliable clock speeds



Linpack EVAC v/s L2A

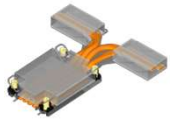
Configuration:

- **2x9654** CPU 400W (Max Performance Mode)
- **10xNVMe – 2.5” Drives**
- **24x64G 4800 DDR5**;
- 1x **CX6 100G**+AOC in **Slot1; BCM57454 10G 4Port OCP**

Linpack

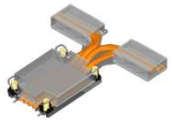
Fantasy

- Base Line Linpack EVAC @ **15°C Chassis inlet**: ~ 6599 Gflop/s; Tavg ~79°C



Real World

- EVAC Linpack @ 27°C Chassis inlet: ~ 6178 Gflops/s ; Δ -6.4%; Tavg ~ 92°C



With Liquid Cooling

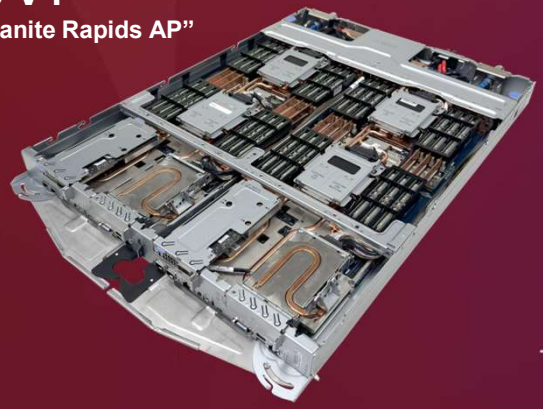
- L2A Linpack @ 27°C Chassis inlet: ~ 6575 Gflop/s ; Δ -0.3%; Tavg ~ 81°C

Lenovo ThinkSystem N1380 Neptune

Neptune™

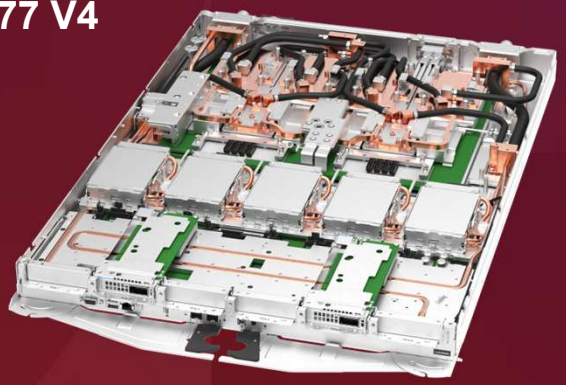
ThinkSystem SC750 V4

2x Intel 6th Generation Xeon “Granite Rapids AP”



ThinkSystem SC777 V4

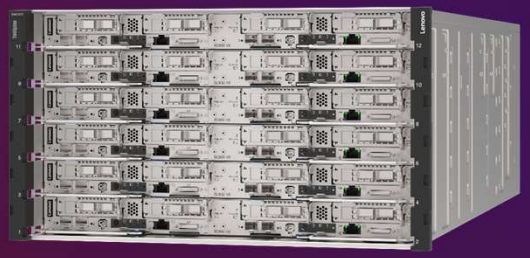
NVIDIA GB200-NVL4



Lenovo ThinkSystem DW612s Neptune

ThinkSystem SD665 V3

2x AMD 5th generation EPYC "Turin"



ThinkSystem SD665-N V3

AMD 5th generation EPYC "Turin" with NVIDIA H200

- Lenovo Neptune Direct Water Cooling Platform
- Single 6U12N chassis supports multiple technologies with AMD and NVIDIA
- Provides a low-cost approach to deliver exascale performance in a hybrid architecture
- Leverages industry-leading and proven infrastructure design for liquid cooling

Lenovo ThinkSystem Portfolio – Air Cooled

SR675 V3
2S AMD Epyc "Genoa"
+ Up to 8 NVIDIA A100

Neptune™ Air

SR665 V3
2U 2S AMD Epyc "Genoa"

SR645 V3
1U 2S AMD Epyc "Genoa"

Neptune™ Air
Neptune™ Core

SR630 V4
1U 2S Intel Xeon
Granite Rapids

Neptune™ Air
Neptune™ Core

SR650 V4
2U 2S Intel Xeon
Granite Rapids

Neptune™ Air
Neptune™ Core

SR650a V4
2U 2S Intel Xeon
Granite Rapids
Up to 4 DW or 8 SW GPUs

Data Storage Solutions

Lenovo Data Storage Solutions Portfolio

ThinkSystem

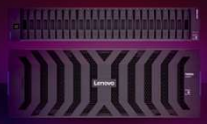
Enterprise storage

Unified Storage

DM Series

DG Series

SAN Storage



DE Series

DS Series

DB Series

Disk Enclosures & Tape

D Series

Tape Solutions

HPC Storage

DSS

ThinkAgile

Hyperconverged infrastructure

Nutanix

HX Series

Microsoft

MX Series

VMware

VX Series

Multi-vendor

FX Series

Neptune

Lenovo services

Advise | Implement | Support | Manage

Solution partners

Red Hat | NVIDIA | CLOUDIAN | VEEAM | AMD | intel

ddn | SAP | SUSE | WEKA | Commvault | Microsoft Azure | IBM

ThinkSystem Enterprise Storage Array Portfolio

Efficient, secure solutions to maximize performance and value for AI and data intensive workloads

SAN Storage

Lenovo ThinkSystem DE Series

- Entry to the high-performance block
- Flash and hybrid models
- Easy to configure, manage, and scale

Lenovo ThinkSystem DS Series

- Full-featured, all-flash SAN-optimized systems
- Symmetric active-active architecture for improved uptime and availability
- Integrated ransomware protection

Unified Storage

Lenovo ThinkSystem DG Series

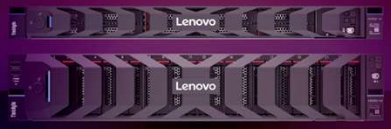
- Unified file/block/object
- All-Flash at HDD economics
- Integrated ransomware protection

Lenovo ThinkSystem DM Series

- Unified file/block/object
- Flash and hybrid models to optimize performance and scale
- Integrated ransomware protection

ThinkAgile HCI Series Portfolio

Simplify and modernize Hybrid Cloud to drive innovation and intelligent business transformation for virtualized environments



Lenovo ThinkAgile HX Series

- Nutanix virtualization environments
- Simplified workload management
- Turnkey, secure AI operations

NUTANIX

Lenovo ThinkAgile MX Series

- Scale Microsoft Azure local workloads
- Modernize hybrid cloud and accelerate AI
- AI inferencing and visual computing with NVIDIA RTX Pro 6000 support

Microsoft

Lenovo ThinkAgile VX Series

- Private/hybrid cloud with VMware Cloud Foundation
- Modernize with VMware vSphere Foundation
- Streamline hybrid cloud and accelerate time-to-value

vmware by Broadcom

Lenovo ThinkAgile FX Series

- Multi-vendor HCI software stack support
- Seamless conversion
- Appliance-grade simplicity

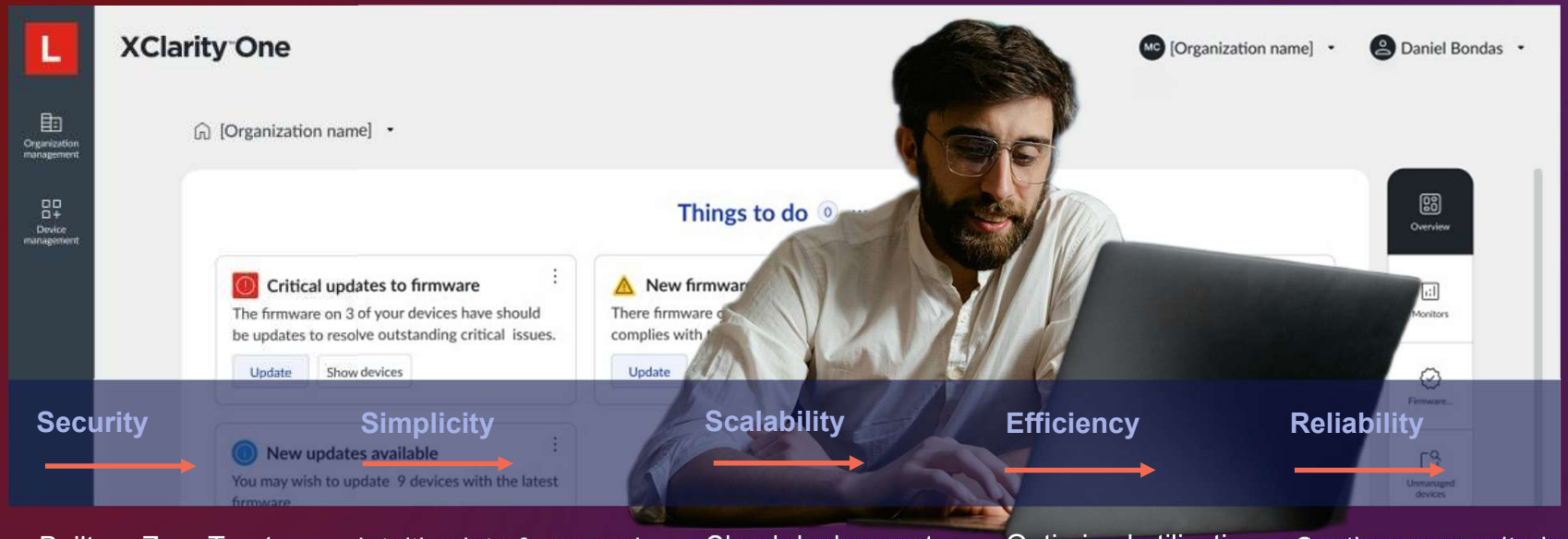
NUTANIX
vmware by Broadcom

Intelligent Infrastructure Software

XClarity One

The Next Generation of Integrated IT Operations

XClarity One – Advanced IT Operations



Security → **Simplicity** → **Scalability** → **Efficiency** → **Reliability**

Built on Zero Trust with MFA for better protection

Intuitive interfaces and automation reduce complexity

Cloud deployment allows flex up and down on demand

Optimized utilization lowers costs and environmental impact

Continuous monitoring and self-healing capabilities ensure uptime

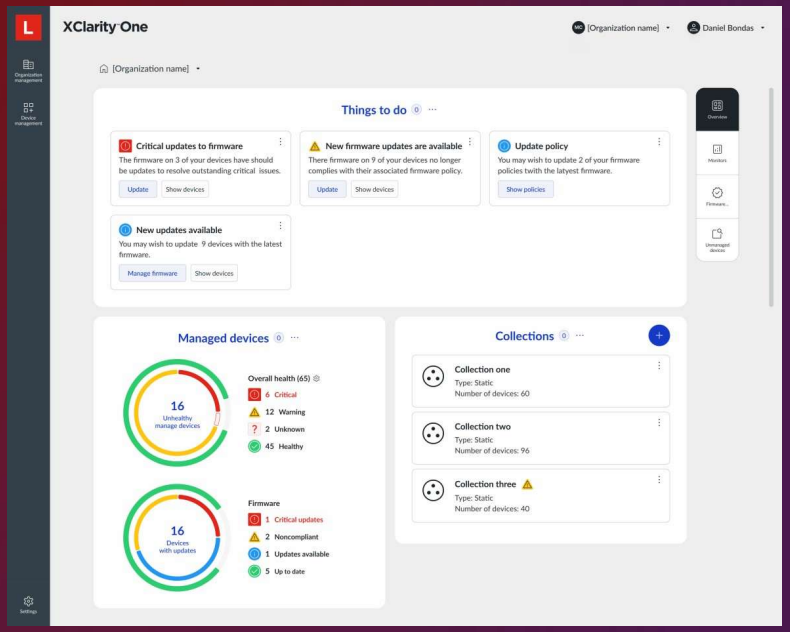
XClarity One

Manage your environment, not your tools

With XClarity One you can **Simplify IT Operations**, **Secure your infrastructure**, and **Scale your success** with unparalleled ease and confidence!

Lenovo XClarity One for ITOps is Simple

Intuitive interfaces, MaaS and automation reduce complexity



Cloud Optimization, Automation & UI

30% Strategic cloud optimization and automation typically reduce infrastructure costs by 30% LINK

Faster remediation of IT Issues LINK 50%-70%

25% Users of simplified tools will see a sizable reduction of operational overhead LINK

Non-intuitive or non-automated systems management software adds significant hidden costs through inefficiencies in implementation and ongoing use.

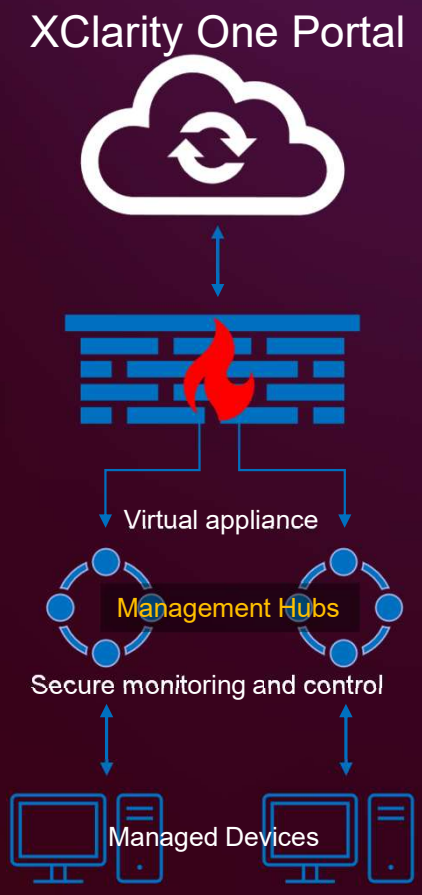
Intuitive interfaces and automation in Lenovo XClarity One's MaaS enable faster task completion, improved decision making, reduced training needs, and minimized errors, directly boosting IT staff efficiency and cutting operational costs.

If the tool is easier to use, it improves your bottom line!

XClarity One Topology

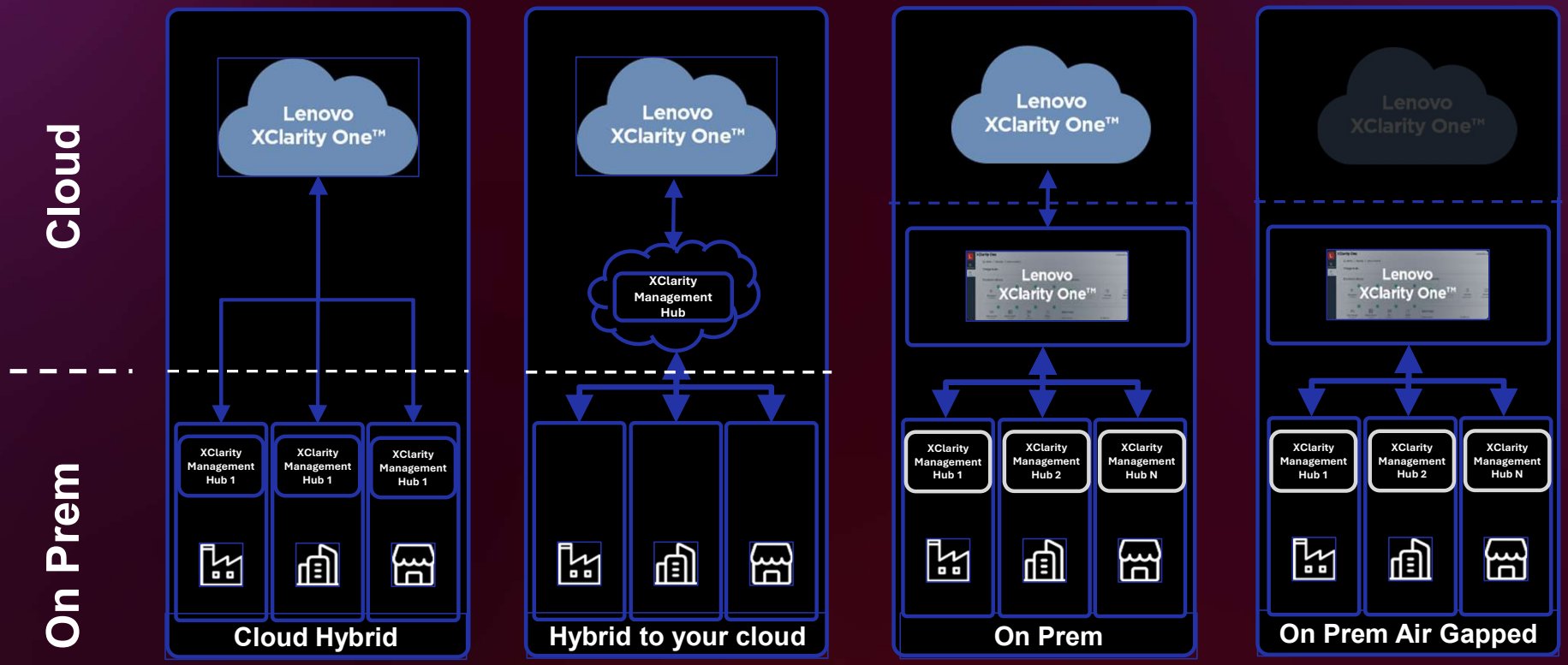
Using XClarity One in the cloud is recommended for small to medium businesses that desire enterprise-grade capabilities without the heavy upfront investments and IT overhead.

- XClarity One is comprised of a portal and one or more hubs. The portal is the primary interface for managing your IT infrastructure.
- The hub acts as a secure bridge between your devices and the portal to collect inventory, incidents, and service data, and to deploy firmware, device settings, and operating system on those devices. You can install one or more hubs across multiple sites, depending on where your devices are located.
- Flexibility is designed into the XClarity One set up. You can use XClarity One hosted in the Lenovo cloud with on premises management hubs or hosted as a fully on-premises solution, with or without Internet access.



Can be set up across multiple sites, where your devices are located

Flexible Deployment Options



XClarity Controller - Included In Every Server

Key Functions

Controls power on/off, reboot, and power states of the server.

Power Control

Enables remote access to the server via a web interface or command-line interface.

Remote Access

Monitors key server health indicators like temperature, fan speed, voltage, and resource utilization.

Monitoring

Allows for basic configuration tasks such as setting network settings and RAID configurations.

Configuration

Server Value

XClarity One

Lenovo XClarity Controller is the embedded management engine within Lenovo ThinkSystem servers. It's like a built-in mini-computer that lets you remotely manage and monitor the server's hardware – even when it's turned off.

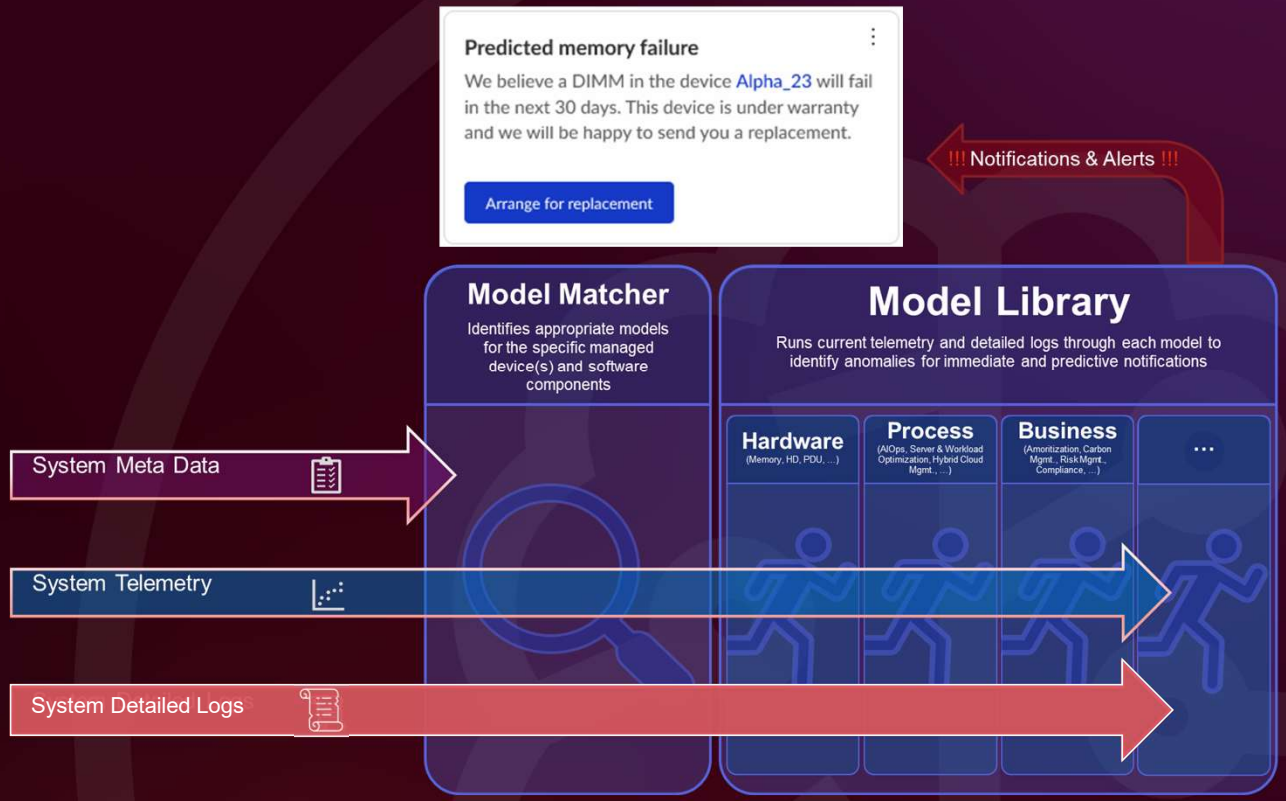
Always-on, remote IT admin for your Lenovo server hardware!

Over 30 additional features available with Premier option

New Premier Support Plus with XClarity One

Predictive Support with AI-powered, Automated Problem Notification

- Predictive Failure Analysis
  - Memory
  - SSD's (coming soon)
- Accurate: Trained on 5 years of support data
- Fast: Automatic Support Tickets
- Minimize Downtime: Automatic Warranty Parts Dispatch



Learn More Here

Global Product Services

Support Services

		Warranty Upgrades / Post-Warranty Support				Add-On Services
Feature	**Base Warranty**	**Standard Support**	**Premier NBD**	**Premier 4-Hour**	**PESS 4-Hour***	**6-Hour CSR****
Service Level	Next Business Day	Next Business Day	Next Business Day	24x7x4	24x7x4	24x7 6 HR CSR
Problem Determination	9x5	9x5	24x7	24x7	24x7	24x7
E2E Case Management	No	No	Yes	Yes	Yes	Yes
Escalation Management	No	No	No	No	Yes	Yes
3rd Party Collaborative Software Support	No	No	Yes	Yes	Yes	Yes
Support Duration	1 or 3 years	3-5 years	3-5 years	3-5 years	3-5 years	3-5 years
Post Warranty	NA	1-2 years	1-2 years	1-2 years	1-2 years	1-2 years
Delivery Method	CRU parts replaced by customer, FRU parts installed by technician	All parts can be installed by technician	All parts can be installed by technician	All parts can be installed by technician	All parts can be installed by technician	All parts can be installed by technician
Onsite Response	Commercially Reasonable Endeavors Next Business Day	Technician on-site with parts NBD after problem determination	Technician on-site with parts NBD after problem determination	Technician on-site with parts 4 hours after problem determination	Technician on-site with parts 4 hours after problem determination	System restored to conformance within 6 hours after call entry
Commited Service Repair	No	No	No	6 HR CSR available as an add-on	6 HR CSR available as an add-on	Yes

• Fixed Pricing for Easier Budget Planning

Smarter technology for all

Lenovo

thanks.