

Smarter technology for all

Lenovo infrastructure portfolio update

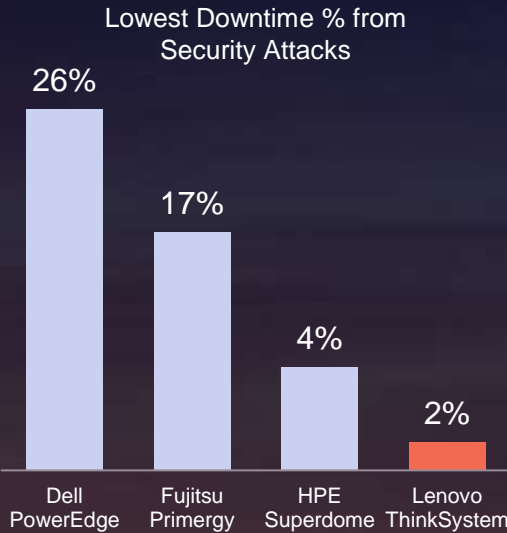
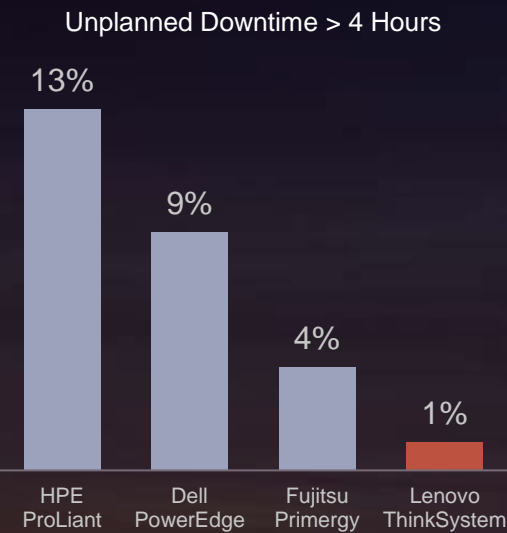
Anton Utkin

Advisory Sales Engineer

autkin@lenovo.com

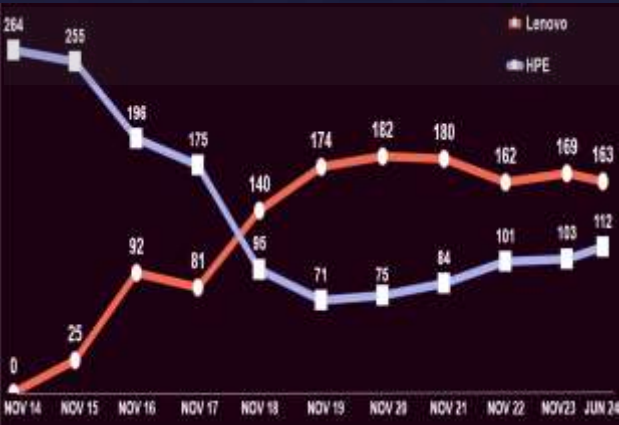
Lenovo

ISG Server Leadership



640
Current World
Record Workloads

>6x as many #1 Results



#1

x86 Server Reliability for
11 Consecutive Years

#1

x86 Security for
6 Consecutive Years

#1

Current World Record
Performance Workloads

#1

Top 500 Supercomputers
for 6 Consecutive Years

Source: ITIC (Mar 2024), Benchmark Report (February 2025) & Top500.org (June 2024)



Customer Challenges to Modernize IT Infrastructure

Business Priorities - Global		2024	2025	YoY Change
	Improving employee productivity	7	1	+6
	Improving regulatory compliance	13	2	+11
	Improving customer experience & satisfaction	2	3	-1
	Increasing revenues & profit growth	3	4	-1
	Improving sustainability	5	5	-
	Applying emerging AI technologies (e.g., GenAI)	1	9	-8

AI Budgets Tripling in 2025 (20% of IT budget)¹

Top CIO Priorities: Improving Employee Productivity #1 & Sustainability #5

Support for Data Security and Privacy Top 3 Need from Tech Partner

Infrastructure Solutions Group Portfolio

AI	Hybrid Cloud	Digital Workspace	Sustainability	TruScale
<p>Building AI Solutions all over the world with 165+ AI solutions with 50+ AI innovators across every vertical market</p> <p>Leading Edge portfolio, from the far edge to the near edge, bringing AI to where our customers need it</p> <p>Empowering individuals, businesses, and governments with a full stack of pocket-to-cloud technology, enabling AI for all</p>	<p>Fully integrated ThinkAgile solutions enable edge-to-cloud agility, performance, and resilience for complex workloads</p> <p>Cost-efficient and infinitely simple single pane of glass management</p> <p>Security by design - keep your data on-prem or in the cloud</p>	<p>Provides end-to-end digital workplace solutions from the device to the data center</p> <p>Offers a wide range of building and workforce solutions for the new era of hybrid work</p> <p>Solutions available through traditional purchase or as-a-Service</p>	<p>Neptune™ Liquid Cooling reduces power and CO2 emissions</p> <p>Heat mitigation tactics on every level of the server</p> <p>Packaging containing recycled foam and plastic</p> <p>Factory-integrated racks reduce packaging waste</p>	<p>Subscription-based access to IT resources to provide cost-efficient, faster deployment, improved security, and better management</p> <p>Solutions for data management, Hybrid Cloud, HPC, and VDI</p> <p>Services include deployment, implementation, IT management</p>








CNG

Strategic Software Partners



Software Defined



ThinkAgile

Infrastructure Solutions

Tower, Rack, & Dense Servers



Storage



ThinkSystem



ThinkEdge

Lenovo Services

Discover Design Implement Optimize Security Customer Support Retire Sustainability

Servers



LENOVO THINKSYSTEM SERVER PORTFOLIO

Comprehensive compute capabilities from the edge to the enterprise

ThinkSystem ST series

Powered by Intel®



ST650 V3



ST250 V3



ST50 V3



ST45 V3

ThinkSystem SR series

1U

2U

Powered by AMD



SR645 V3



SR635 V3



SR645



SR635



SR665 V3



SR655 V3



SR665



SR655

Powered by Intel®



SR630 V4



SR630 V3



SR250 V3



SR650 V4



SR650 V3



HS350X V3

ThinkSystem Modular Platforms

SD series (Multi-Node)

Powered by Intel®



SD630 V2
2U 4N



SD550 V3
2S2U



SD530 V3
2S1U

Powered by AMD



SD535 V3
1S1U

ThinkSystem Mission Critical

Powered by Intel®



SR950 V3
8 CPUs



SR860 V3
4U up to 4 CPUs



SR850 V3
2U up to 4 CPUs

ThinkSystem Segment Optimized

HPC/AI Optimized

AMD & Intel®



SR650a V4

SR670 V2 (GPU Rich)



SR675 V3 (GPU Rich)

SR680a V3, SR685 V3,

SR780a V3



SD650 V3, SD665 V3

SC750 v4, SC777 v4

HR series (Hyperscale)



HR650

HR630

CSP Custom Designs

SE series

ThinkEdge



SE10



SE350



SE450



SE30



SE50



SE70

Lenovo

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New



Neptune liquid
cooling models
available

Introducing the New Lenovo V4 Intel Rack Systems

Launch Themes



Enabled Versatility

Systems for every workload



AI-Driven Intelligence

Smarter AI everywhere



Engineered for Sustainability

From design to disposal

New Systems

SR630 V4



Compact & efficient for IT infrastructure, cloud, and virtualization

SR650 V4



Enterprise IT optimized with AI-ready infrastructure

SR650a V4



Accelerated AI modeling & HPC with high-density GPU compute

ThinkSystem SR630 V4 – Compact. Scalable. Business Ready.

Lenovo ThinkSystem SR630 V4



*A next-gen 1U server
delivering enterprise-class
compute with space-efficient
scalability.*



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Key Selling Points



Compact & Reliable
Performance for
Enterprise IT



Optimized Storage &
Memory for Enterprise
Applications



Smarter Systems
Management



Energy-Efficient &
Sustainable



Increased Security to
Protect Data



Seamless &
Cost-Effective
Deployment

Featured Innovation

1U

Compact server,
IT infrastructure,
virtualization &
business analytics

144 86

E-Cores
with
P-Cores
with

2-3X

Increased
performance

Maximized storage density, up to
16 E3.s NVMe drives

**Efficient storage scaling &
maintenance** w/ hot-swap rear & front SSDs

**AI-predictive maintenance &
proactive system optimization** with
XClarity Controller 3

**Automatic remote variable
speed fans** for energy & cost
savings

Efficient Cooling
w/ Neptune™ cooling options for
max performance

40%

Less
Power

6,348 kg

*
CO2 saved per year

DCSCM2.0 & OpenBMC

= Enhanced system-level security

**100% Redfish &
FIPS 140-3 Compliant**

= Data integrity & access control

AI-driven infrastructure scaling

- ✓ Reduce TCO
- ✓ Optimize resource utilization

Lenovo Asset Recovery enables **End-to-End IT lifecycle management**

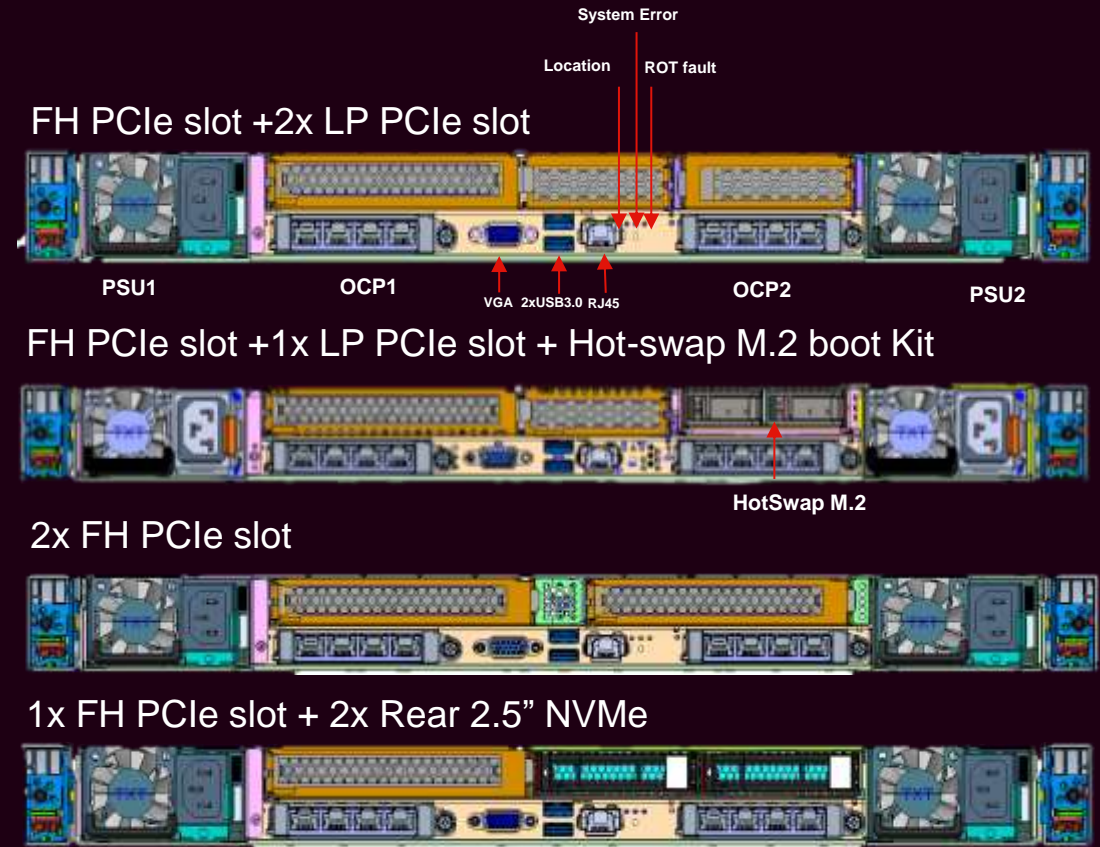
* As compared to SR630 V2

SR630 V4 Front & Rear Overview

16x EDSFF 3.S (1T)/8x EDSFF E3.S 2T



10x 2.5 SAS/SATA/NVMe



FH PCIe slot + 2x LP PCIe slot

FH PCIe slot + 1x LP PCIe slot + Hot-swap M.2 boot Kit

2x FH PCIe slot

1x FH PCIe slot + 2x Rear 2.5" NVMe

ThinkSystem SR650 V4 – AI-Ready. Scalable. Sustainable.

Lenovo ThinkSystem SR650 V4



*A next-gen 2U server for
performance, scalability and
efficiency.*



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Key Selling Points		Featured Innovation	
	Enterprise-Grade Performance	2U High-density, AI and Cloud Optimized	86 Cores with 2-3X Increased performance
	Highly Flexible I/O & Storage	Higher Storage Density, up to 32 E3.s NVMe drives	PCIe Gen5 & CXL 2.0 memory expansion for accelerated AI & data-intensive applications
	Smarter Systems Management	AI-predictive maintenance & proactive system optimization with XClarity Controller 3	Automatic remote variable speed fans for energy & cost savings
	Energy-Efficient & Sustainable	Efficient Cooling w/ Neptune™ cooling options for max performance	40% Less Power 6,348 kg[*] CO2 saved per year
	Increased Security to Protect Data	DCSCM2.0 & OpenBMC 100% Redfish & FIPS 140-3 Compliant	= Enhanced system-level security = Data integrity & access control
	Seamless & Cost-Effective Deployment	AI-driven infrastructure scaling ✓ Reduce TCO ✓ Optimize resource utilization	Lenovo Asset Recovery enables End-to-End IT lifecycle management

* As compared to SR650 V2

ThinkSystem SR650a V4 – Built for AI. HPC-Optimized. Scalable.







Lenovo ThinkSystem SR650a V4



A next-gen 2U server for AI and deep learning workloads.

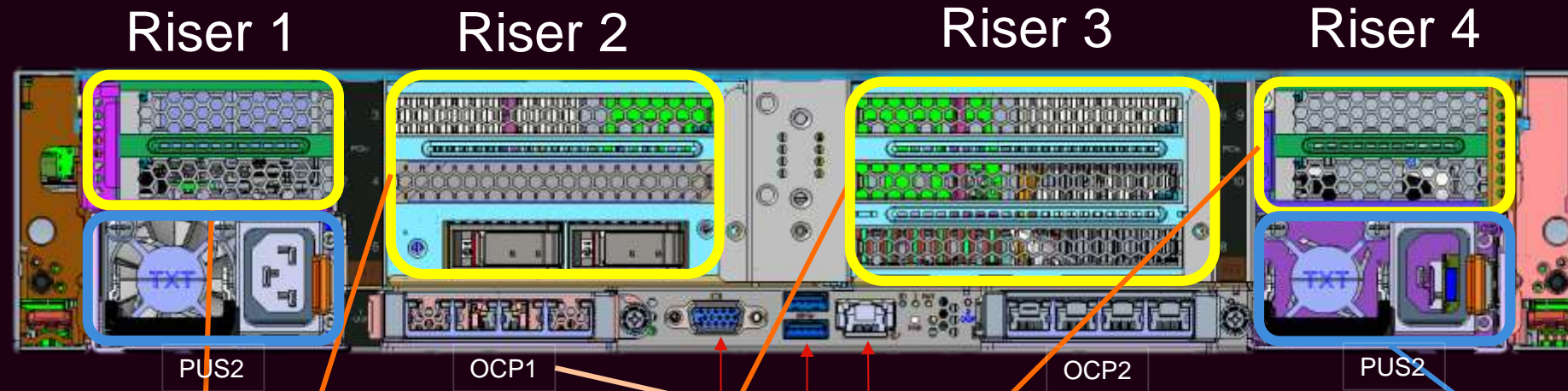


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Key Selling Points		Featured Innovation	
	High-Density GPU Compute for AI & HPC	2U Front-dense GPU, Deep learning & AI inferencing Optimized	Supports up to 8SW GPUS Or 4DW GPUS
	Optimized Storage & Memory for AI Processing	High-speed AI Dataset Access , up to 8x E3.s NVMe drives	PCIe Gen5 & CXL 2.0 memory expansion for AI training & real-time inference
	Smarter Systems Management	AI-predictive maintenance & proactive system optimization with XClarity Controller 3	Automatic remote variable speed fans for energy & cost savings
	Energy-Efficient & Sustainable	Efficient Cooling w/ Neptune™ cooling options for max performance	71% Less Power for AI 37,107 kg[*] CO2 saved per year
	Increased Security to Protect Data	DCSCM2.0 & OpenBMC = Enhanced system-level security 100% Redfish & FIPS 140-3 Compliant = Data integrity & access control	
	Seamless & Cost-Effective Deployment	AI-driven scalability for HPC & GPU intensive workloads ✓ Reduce TCO ✓ Optimize resource utilization	Lenovo Asset Recovery enables End-to-End IT lifecycle management

^{*} As compared to SR650 V2

SR650 V4 Rear Overview



Riser 1 support :

- Scenario 1: x8/x8
- Scenario 2: x16/x16

Riser 2 support :

- Scenario 1: x8/x16/x16
- Scenario 2: E/x16/x16
- Scenario 3: x16/x16/E
- Scenario 4: E/E/x16

Riser 1 & 2 signal from CPU1
Open-slot riser support

Riser 3 support :

- Scenario 1: x8/x16/x16
- Scenario 2: E/x16/x16
- Scenario 3: x16/x16/E
- Scenario 4: E/E/x16

Riser 4 support :

- Scenario 1: x8/x8
- Scenario 2: x16/x16

Riser 3 & 4 signal from CPU2
Open-slot riser support

Dual OCP 3.0 (OCP1/OCP2) option:

- 4x 1G Base-T
- 2x 10G Base-T
- 4x 10G Base-T
- 2x 10/25G SFP28
- 4x 10/25G SFP28
- 2x 100G QSFP56
- 2x 200G QSFP56

OCP1 from CPU1
OCP2 from CPU2

PSU 1&2:

- 800W PT/TT (CRPS + CRPS Premium)
- 1300W PT/TT (CRPS + CRPS Premium)
- 2000W TT (CRPS Premium)
- 2700W PT (CRPS + CRPS Premium)
- 3200W TT (CRPS Premium)
- 1300W -48VDC (CRPS Premium)
- 1300W PT HVAC/HVDC (CRPS Premium)

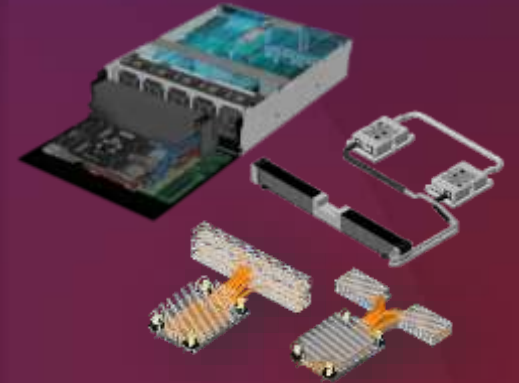
Lenovo Neptune[®] technology family



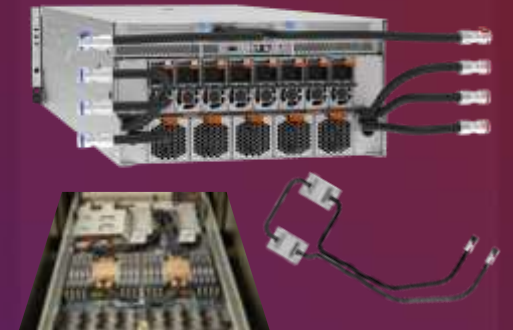
- The original, market-leading 100% direct water cooling
- Warm water up to 45°C inlet
- #1 performance density platform
- ExaScale to EveryScale™ design



- Liquid Assisted Cooling to **Air** internally
- Closed Loop with Radiator Design
- Best air-cooling efficiency
- Broad configurability



- Targeted at the **Core** Components
- Open Loop Direct Water Cooling
- For datacenter PUE <1.2
- Maintain most configurability



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

ThinkSystem SR675 V3

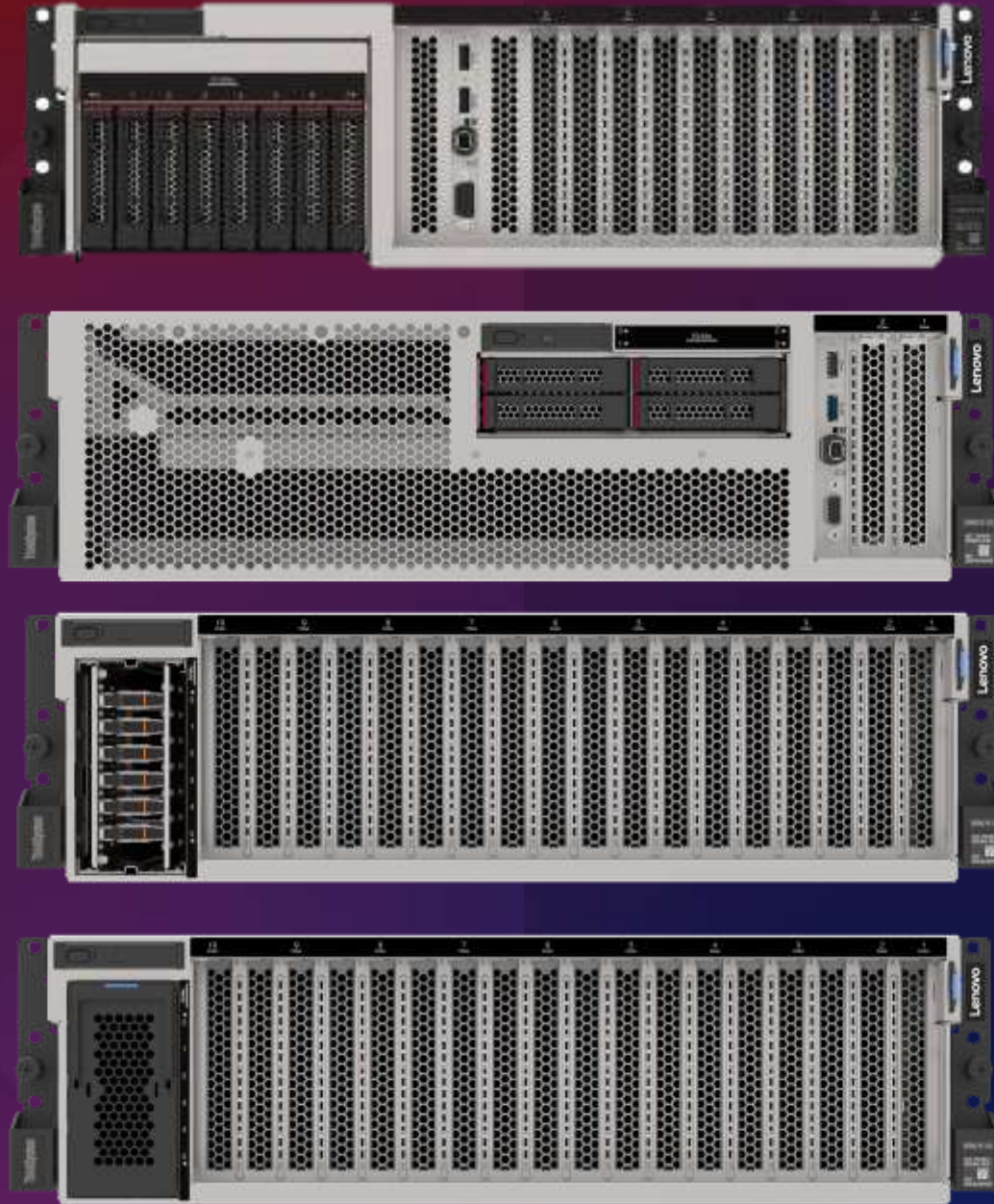
Scalable, GPU-rich Artificial Intelligence System

Targeted Workloads

- AI Training: Machine Learning & Deep Learning
- Visualization applications
- Real Time Natural Language Processing (NLP)
- Digital Twins & other large scale Omniverse™ apps

Key Capabilities

- 2S 3U rack mount system with up to 8 full size GPUs
- Two 4th Gen AMD EPYC™ processors
- Supports NVIDIA Hopper, Lovelace and Ampere datacenter portfolio and AMD Instinct™ MI Series GPUs
- GPU Direct – NVMe drives connect directly to GPUs for increased storage performance
- One model with four socketed H100s cooled with Neptune™ Liquid to Air (L2A) heat exchanger delivers the benefits of Neptune in an air-cooled system



Lenovo ThinkSystem N1380





Lenovo Data Storage Solutions



Lenovo Data Storage Solutions Portfolio

ThinkSystem Enterprise Storage



DM Series



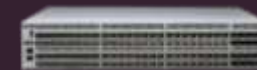
DG Series



DE Series



D Series



Storage Networking



Tape Solutions

ThinkAgile Software-Defined Infrastructure

NUTANIX



HX Series



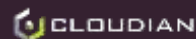
MX Series

vmware



VX Series

SDS Software Defined Storage



Ready Node
HS350X V3



Cloud
Solutions



DSS
IBM

Lenovo Services

Lenovo Premier Enhanced
Storage Support

Asset Recovery
Services

Lenovo
TruScale
Infrastructure as a Service

HX

Solution Partners



veeam



intel.



COMMVAULT



Google Cloud Platform



The New 2025 Lenovo Data Storage Solutions Portfolio

21 New ThinkSystem & ThinkAgile Products

Mid-Range Flash



ThinkSystem DM Series

**High Performance,
Unified AI Data**

- ThinkSystem DM7200F
- ThinkSystem DM5200F
- ThinkSystem DM5200H
- ThinkSystem DM3200F



ThinkSystem DG Series

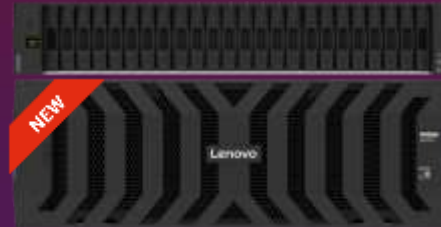
**Flash Performance at
HDD Economics**

- ThinkSystem DG7200
- ThinkSystem DG5200



ISG Common Bezel

Entry Flash/Hybrid



ThinkSystem DE Series

**Simple, Channel Friendly
Entry-level Storage**

- ThinkSystem DE4800F (2U24)
- ThinkSystem DE4800H (2U12)
- ThinkSystem DE4800H (2U24)
- ThinkSystem DE4800H (4U60)
- ThinkSystem DE4200H (2U12)
- ThinkSystem DE4200H (2U24)

Software-Defined



ThinkAgile V4 Series

**Accelerated Roll-Out &
Simplified Lifecycle**

ThinkAgile HX Series

- ThinkAgile HX630 V4
- ThinkAgile HX650 V4
- ThinkAgile HX650 V4 Storage

ThinkAgile VX Series

- ThinkAgile VX630 V4
- ThinkAgile VX650 V4
- ThinkAgile VX650 V4-SAP

ThinkAgile MX Series

- ThinkAgile MX630 V4
- ThinkAgile MX650 V4

SMB FC Switch



ThinkSystem DB Series

**Gen 7 Entry-level
Switch for SMB**

- ThinkSystem DB710S

Lenovo ThinkSystem Storage Arrays Overview

Simplified & Unified Data Management

Unified Data
Management

Always-on Data
Efficiency

End-to-End Data
Security

Automated
Ransomware Protection

Synch Replication with
Transparent Failover

Application Aware
Snapshots



DG Series

Why

- Consistent flash performance
- Reduce TCO
- Improve RTO/RPO

Where

- HDD replacement
- Virtualization consolidation
- Backup & recovery



DM Series

Why

- High-performance flash
- Sub-millisecond latency
- 15TB starting capacity

Where

- Mission critical workloads
- Databases
- ERP/CRM

Extreme Performance & Price Performance



DE Series

Why

- Up to 2M IOPS
- Industry leading price performance
- Deploy workload <10 minutes
- Simple to deploy and manage

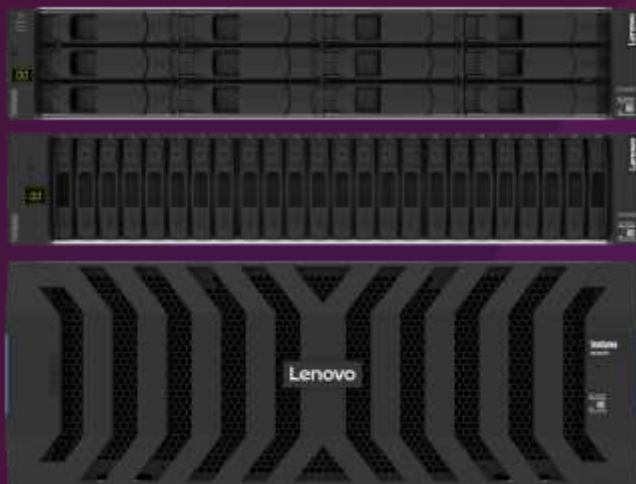
Where

- High-performance databases
- HPC
- Video Surveillance
- Media Streaming

DE Series Arrays

New ThinkSystem DE Series Storage Arrays

Simple, flexible, channel friendly block storage



Up to
3x

Performance Gen to Gen

Use cases:

- Enterprise Databases
- HPC & Analytics
- Backup & Recovery
- Video Surveillance & Media Streaming



Channel Friendly



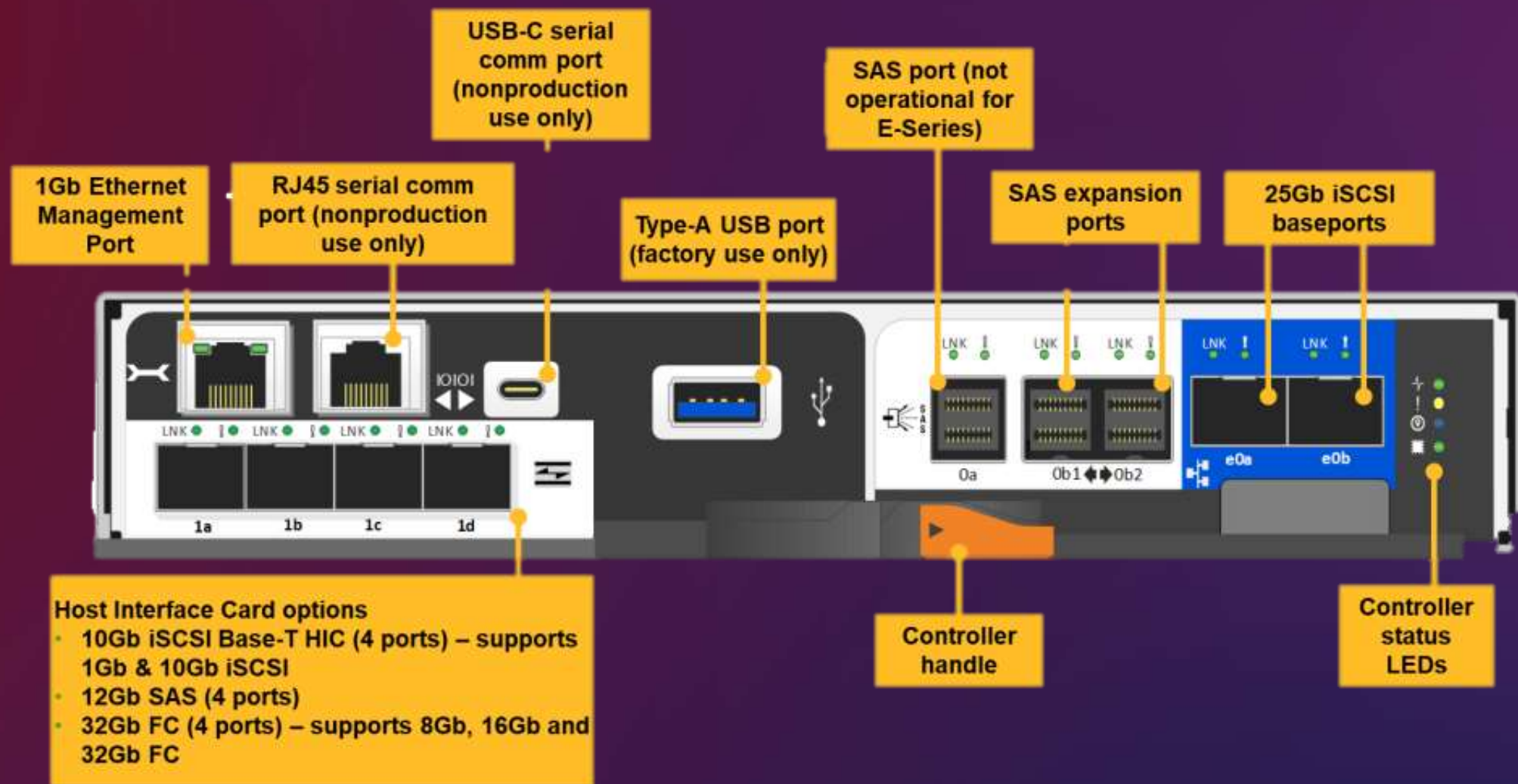
IO Flexibility



Multiprotocol
Support



Investment
protection



DM Series All-flash Array

DM DG Flash storage portfolio

Workload Focus: AI/ML and analytics, data lakes, media/rendering, storage consolidation

Hybrid Flash



DM5200H



DM3010H

Capacity Flash



DG7200



DG5200

Performance Flash



DM7200F



DM5200F



DM3200F

5–10ms latency, \$'s

2–4ms latency, \$\$'s

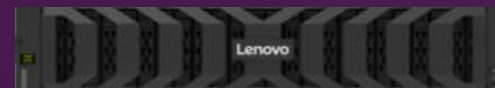
Sub-ms latency, \$\$\$'s

New DM Series All-flash Arrays

High-performance systems designed for next generation all-flash workloads.

- No trade-offs between improved storage efficiency and performance.
- Architect forward:
 - Always-on storage efficiency with full performance
 - Security hardware offload
 - Designed for sustainability
 - Improvement in Price/Performance
 - Increased I/O flexibility
 - End-to-end NVMe

Key Customer Benefits



New DM7200F

Optimized for price/performance

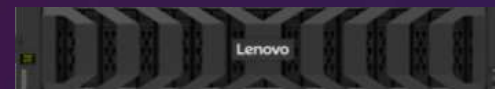
Up to 139% faster than the DM7100F



New DM5200F

Designed for emerging workloads

Up to 91% faster than the DM5100F



New DM3200F

Affordable storage for small and medium businesses and ROBO

Up to 23% faster than the DM5000F



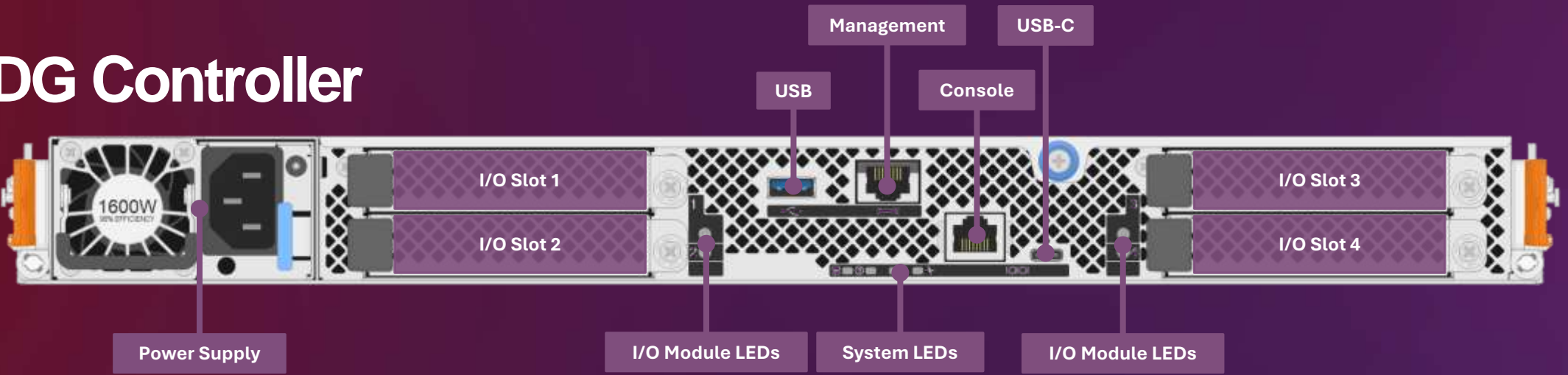
Major Hardware Innovations

- **Integrated compression offload engine with Intel® QAT®¹**
 - Next generation CPU architecture provides increased performance for resource-intensive tasks and processing
 - Always-on enhanced storage efficiency without impacting performance
 - Up to 160GB/s data compression
- **PCIe Gen 5**
- **DDR 5 Memory**
 - 2X the clock speed for faster memory access
 - 50% more throughput for large data transfers
- **64Gb Fibre Channel and NVMe/FC support**
- **100GbE and NVMe/TCP support**
- **IPSec offload**
- **Ready for TLS offload²**
- **Titanium power supplies**
 - 95% efficiency rating
 - Maximizing energy efficiency

1. Intel QAT is not available on DM3200F

2. TLS HW offload support in a future ONTAP release

DM/DG Controller



Options

Controller Form Factor	<ul style="list-style-type: none">• 2 per 2U enclosure (1U ea, full width of enclosure)• 2U24 NVMe enclosure (508mm/20" depth)
Drive Bays (front)	<ul style="list-style-type: none">• 24x NVMe U.2 SFF• NVMe drive docks directly into midplane
Adapters	<ul style="list-style-type: none">• 4x 10GBase-T• 2x 25/10 GbE• 4x 25/10 GbE• 2x 100/40 GbE• 2x 100/40 GbE• 4x 64/32/16 G FC• 4x 12G SAS
Key Features	<ul style="list-style-type: none">• ONTAP 9.16• Full NVMe drive interface
Expansion	<ul style="list-style-type: none">• NVMe 2U24 Tonga IOM• SAS DM120S, DM240S or DM600S chassis with 12G SAS IOM

New DG Series All-flash Arrays

Capacity all-flash systems designed for efficiency and capacity

- No trade-offs between improved storage efficiency and capacity
- Architect forward:
 - Increase capacity & efficiency – reducing footprint & cost
 - End-to-end capacity flash NVMe - 61.4TB drives
 - Save up to 70% on storage costs through automated data tiering to the cloud
 - Designed for sustainability
 - Scalability while maintaining data availability active-active controller



Key Customer Benefits

Increased Density

Maximize Capacity

Up to 100% Capacity increase per HA pair

Improved Scalability

Storage without boundaries

122TB to 14.7PB raw
Up to 50% more drives

Cost Savings

Reduced footprint

1.5PB in 2U raw
6PB in 2U effective

Lenovo Data Management

Multi-Workload
Enterprise Storage

Performance Tuned Storage
Single-Workload Exa-scale

Tier 0 RPO 0, RTO 0, Sync Replication
Low Latency
High IOPS
NVMe
Application Integration for Snapshots

Tier 1 Integrated Workflow Automation
Snapshots Thin provisioning
Data Efficiency (Compression, Compaction, Deduplication)
Adaptive Quality of Service
Application Based Balanced placement (Performance)
Local Storage Caching

Tier 2 Scale out Storage Clusters
High Throughput
Dynamic capacity expansion
Remote Storage Caching
Asynchronous replication
Backup Software Integration

Tier 3 S3 Object Storage Integration w/ Cloud
Encryption & Trusted Platform Module (TPM) support
WORM (Write Once Read Many) Data protection
AWS, Google, Azure Integration and other Cloud Providers
Dual Parity RAID Protection, Enhanced Parity (Erasure Coding, etc.)
Ransomware Protection

ThinkSystem

DM\DG Series

ThinkSystem

DE Series

ThinkAgile

VX HX MX

ThinkSystem

Tape

Lenovo

DSS-G

ThinkSystem

WEKA

ThinkSystem

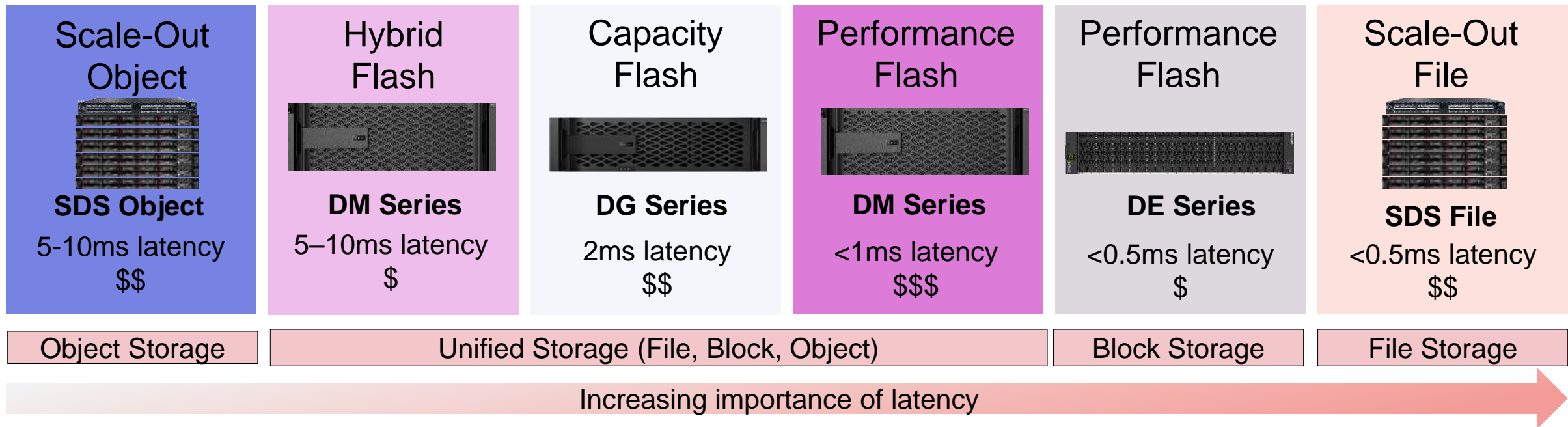
CLOUDIAN

Millions of IOPS
100's Gbps of throughput
nVidia GPU Direct
Snapshots & Cloning

Cloud Bursting
Snap to S3
WORM protection
10's Gbps of throughput

Encryption
Data Immutability

Storage Portfolio Positioning

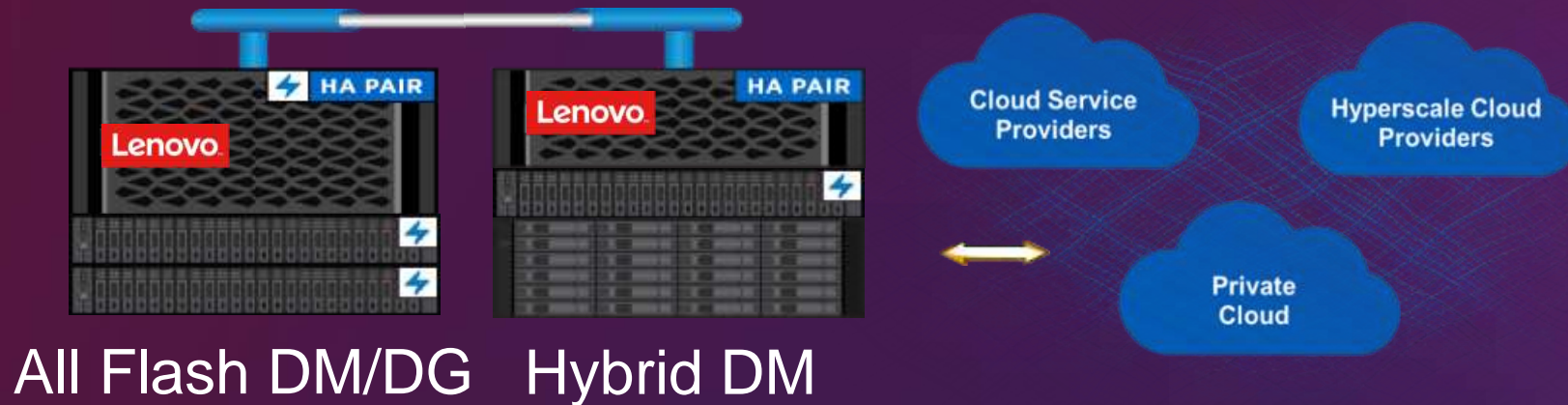


Value Prop	<ul style="list-style-type: none"> Capacity-intensive workloads Reduce primary backup tier costs Superior RTO/RPO times 	<ul style="list-style-type: none"> Low-cost entry Low starting capacity Low \$/GB 	<ul style="list-style-type: none"> TCO Energy Efficiency Infrastructure simplification 	<ul style="list-style-type: none"> Unified data management Hybrid multi-cloud support Simplicity of management 	<ul style="list-style-type: none"> Best \$/IOP Ease of deployment SMB friendly 	<ul style="list-style-type: none"> Unlimited scaling Linear performance growth Global namespace
Workloads	Tier 2 and 3 <ul style="list-style-type: none"> Data protection Data lakes Data observability 	Tier 2 <ul style="list-style-type: none"> Backup/archive File share/object buckets 	Tier 1 and 2 <ul style="list-style-type: none"> ERP Microsoft Exchange Data lakes 	Tier 0 and 1 <ul style="list-style-type: none"> Databases Mission-critical applications Data Consolidation 	Small Tier 0 and 1 <ul style="list-style-type: none"> HPC Single databases Streaming workloads 	Tier 1, Multi-PB Scale <ul style="list-style-type: none"> HPC No SQL databases AI & Machine learning

DM / DG Features

Unified Scale Out Storage

Easy to manage, simple to scale, always available



Supported protocols: S3, FC, iSCSI, CIFS and SMB, and NFS and parallel NFS (pNFS)

Unified Management

SAN, NAS and S3 workloads

Built-in storage efficiency

Nondisruptive operations

Scale-out and scale-up expansion

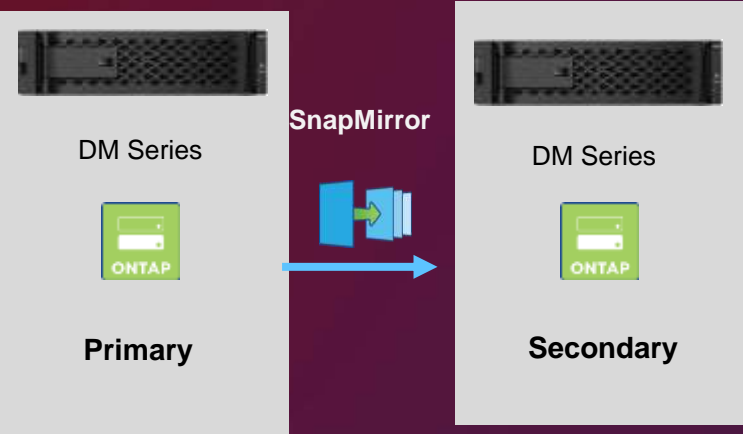
Advanced application integration

Secure, multitenant management with QoS

Integrated data protection

Application aware copy data management – Built in

Faster backup and restores









On-premises backup and recovery of ONTAP platforms only

Efficient copy data management









Backup copies
Analytics copies
Test and Dev copies

Lenovo supported



Community supported



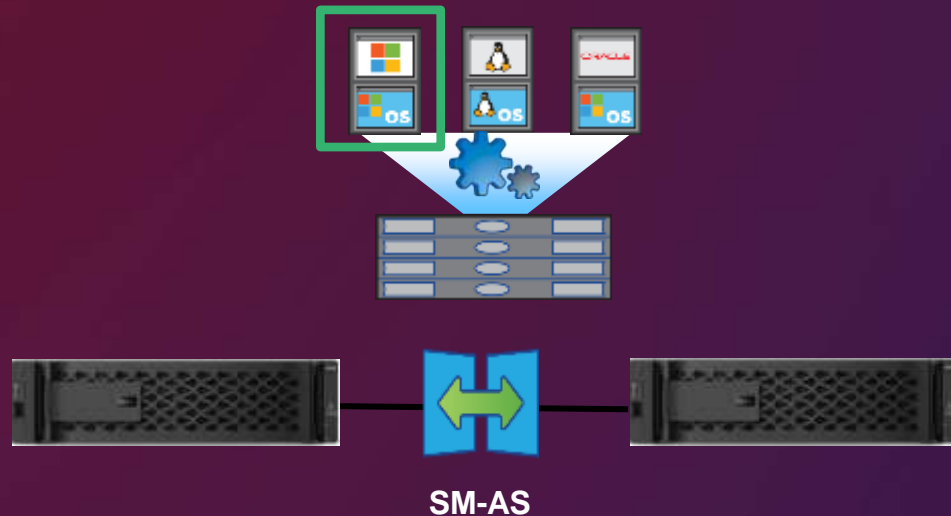
Enterprise application and virtualization ready

Integrated ONTAP continuous availability

Active Sync

Continuous Availability for select SAN applications

- Minimize cost by tailoring configuration to your requirement
- Simplify application management with granular control



MetroCluster

Continuous Availability infrastructure

- Consolidate critical SAN and NAS workloads on a dedicated solution
- Deliver bullet-proof reliability and performance at scale



New ThinkSystem DB Series

Unlock enterprise-class capabilities with an affordable SAN solution



Up to
2x

Performance Gen to Gen

Use cases:

- Database
- SAN Solution
- End-to-end 64G FC solution



Security
enhancement



Lifetime
warranty

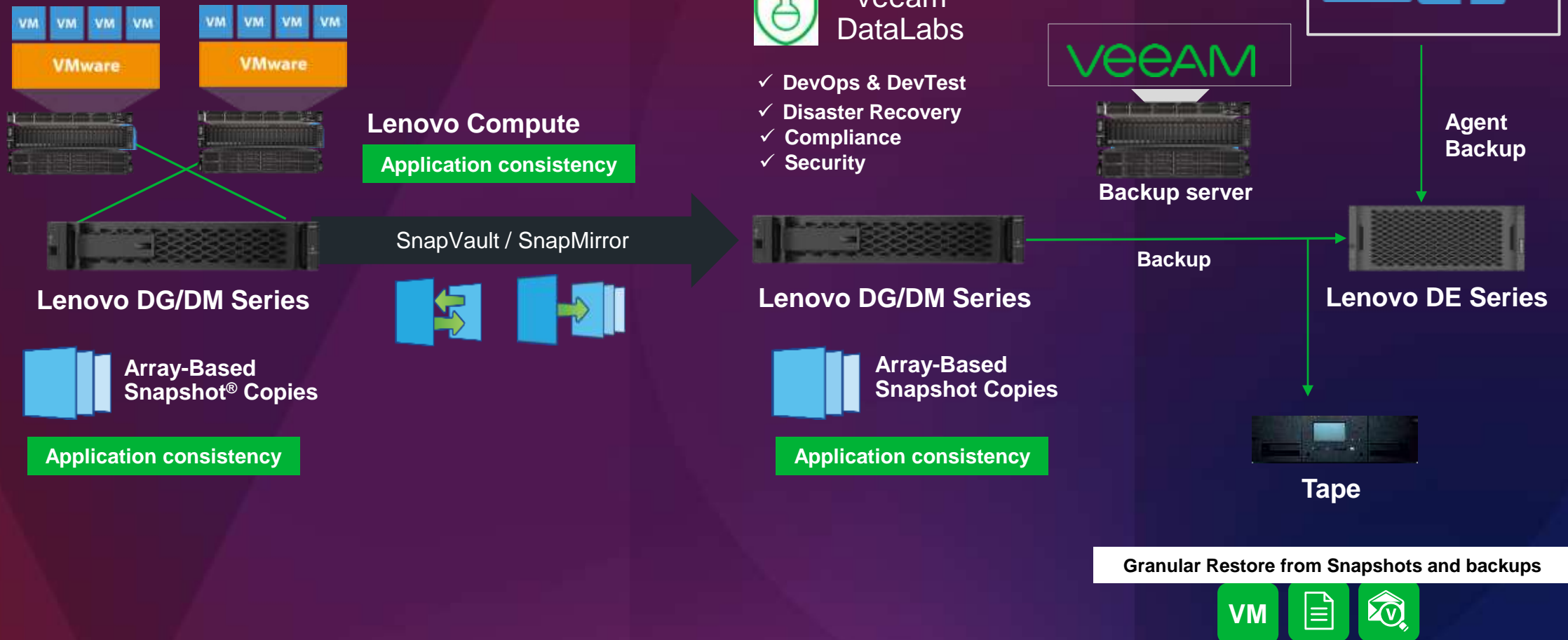


Improved
performance



Affordable
Solution

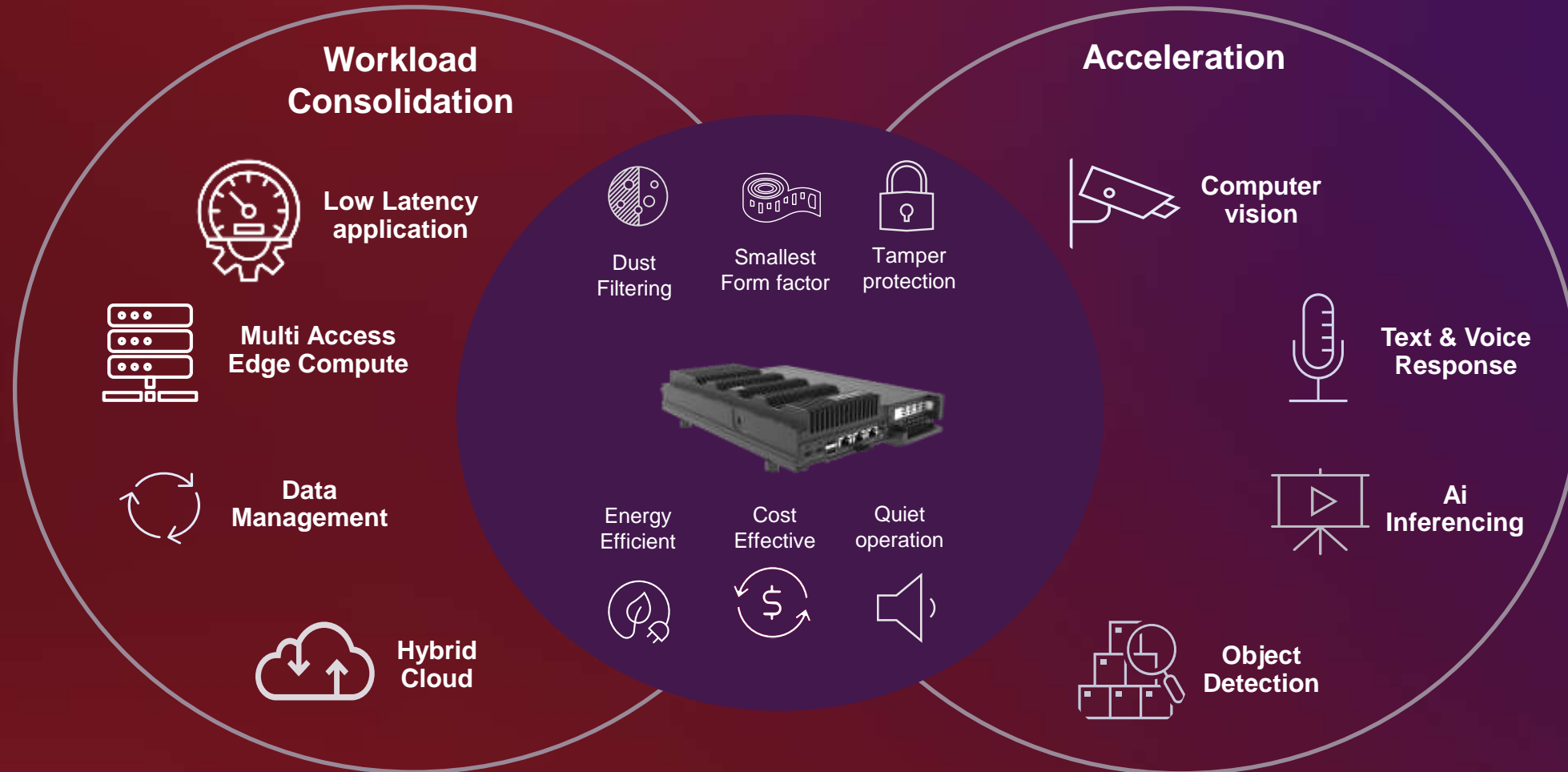
ThinkSystem Storage & Veeam



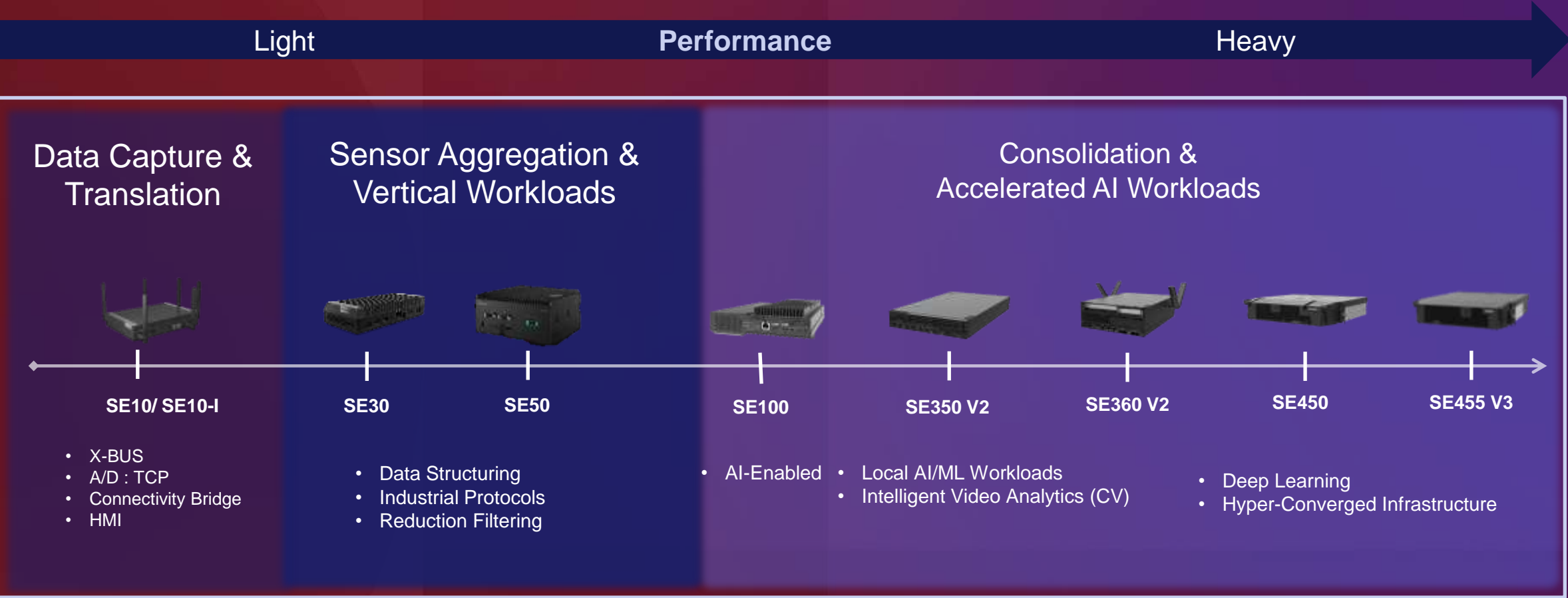
ThinkEdge



Flexible solution to address multiple workloads



Portfolio Overview - From Far Edge to Core

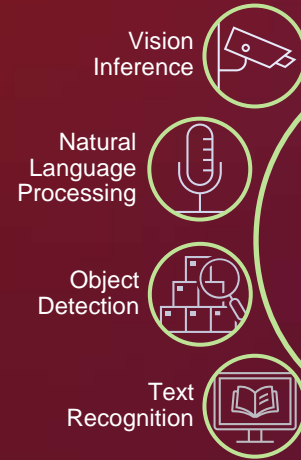


Product Vision

Accelerate Workloads

**Customers
Applications**

Consolidate Workloads

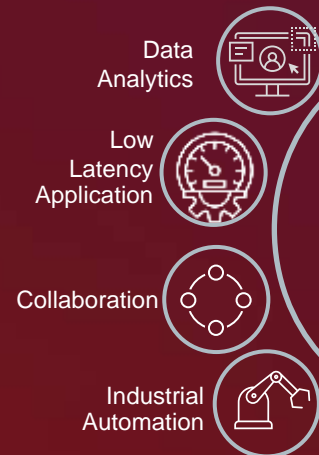


**Artificial
Intelligence
Optimized**

SE100
with expansion
Module
1U ½ width



3.1L



**Kubernetes
Cluster
Optimized**

SE100
Base system
1U ⅓ width



2.1L
Up to 16 Cores (6P +
8E+2LP-E), 92 AI
TOPS



Reduce by
85% in size



Energy
Efficient



Quiet
35 dBA



Cost
Effective

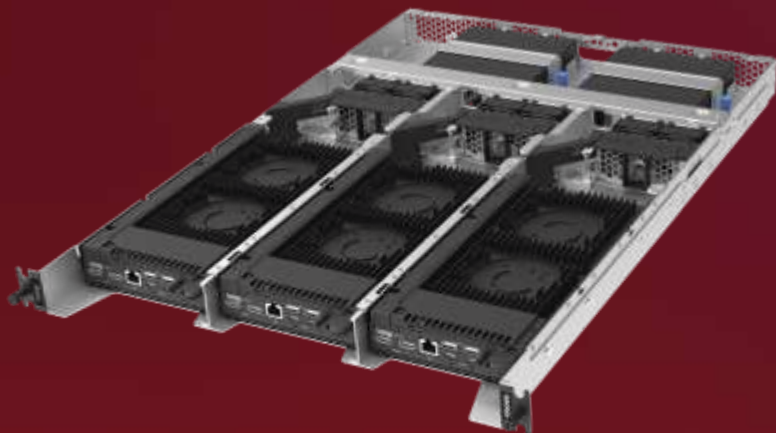


Extreme
Compact



High
Secure

Product Specification



Form Factor	Base node: 142 x 278 x 53mm (2.1L) With expansion kit: 214 x 278x 53mm (3.1L)
Processor	Intel® Core™ Ultra 7 processor 255H: 6P+8E+2LP-E Intel® Core™ Ultra 5 processor 225H: 4P+8E+2LP-E
Memory	2x CSODIMM DDR5, up to 64GB (6400MHz)
Boot Drive	1x 2280, up to 960GB
Data Drive	2x 22110/2280 M.2 NVMe SSD, up to 3.84TB
RAID	No HW RAID, No VROC
Front I/O	1x USB3.2 Gen2 Type-C(display or USB), with locking screw 1x USB3.2 Gen2 Type-C(display from XCC USB), with locking screw 2x USB3.2 Gen2 Type-A 2x HDMI 2.0 1x RJ45 RS232 serial COM
Rear I/O	1x Type-C (Power Input), with locking screw 1x Type-C (Power Input or BMC USB 2.0), support power redundancy. with locking screw 2x USB3.2 Gen2 Type-A 2x 1GbE+ 1x GbE BMC management
Expansion Slot	1x PCIE Gen4 x8 card through expansion kit
Power	Dual redundant USB-C (PD3.1) 140W locking connector or 300W power supply with enclosure
Security	Security 2.0 with ThinkShield or XCC Management, Encrypted SSD, tamper detection, System Lockdown, Silicon Root of Trust, TPM 2.0, System Guard, NIST SP800-193 compliance using hardware Root of Trust and Platform Firmware Resilience
System management	Lenovo XClarity 2 Controller (AST2600)
Easy to deploy	ThinkShield or XCC Managed lockdown mode and SED Lenovo Open Cloud Automation (LOC-A) and XClarity Administrator/Pro
OS	Ubuntu 24.04, REHL .x ¹ , Windows11 Enterprise , following Operating System Interoperability Guide
Warranty	3-year base warranty (on-site), 1 year or 2 year upsell service
Mounting Option	Rack, VESA Mount/Ceiling Mount, Din Rail
Environmental	Operating Temp.: 5 to 45°C IP50 dust protection; noise level: 35 dBA(base node) MERV5 with expansion kit



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¹Launch schedule work in process

ThinkEdge SE100 mounting options

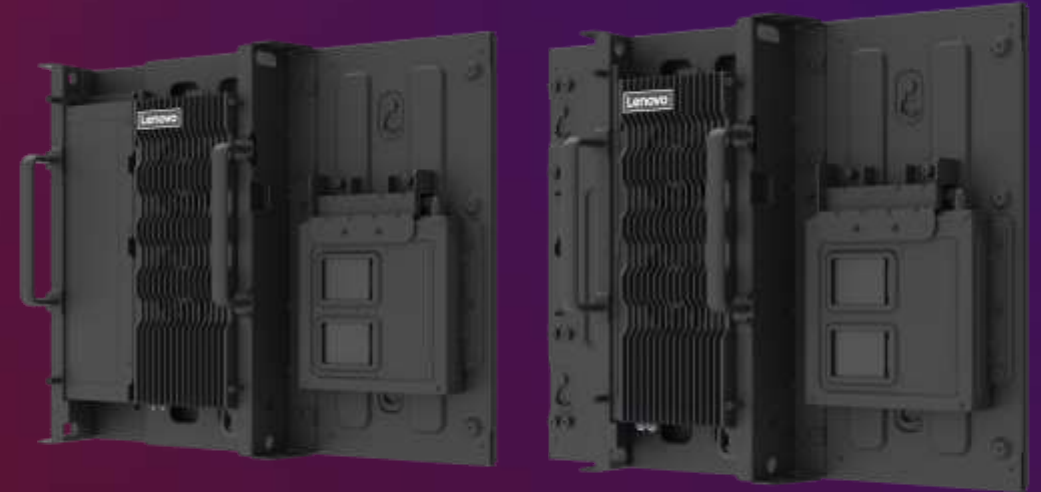
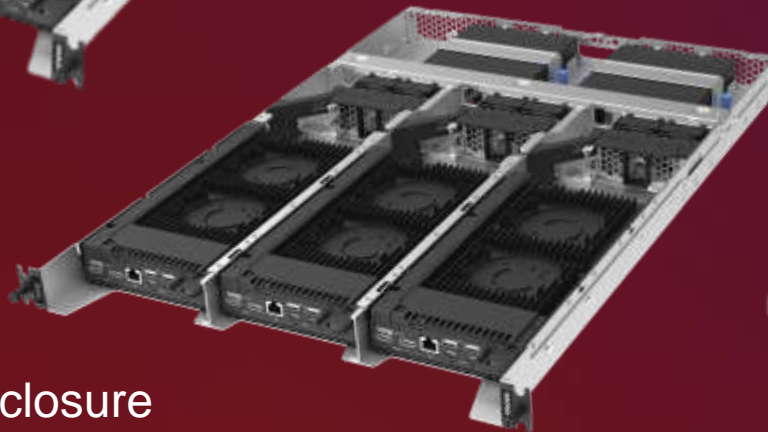
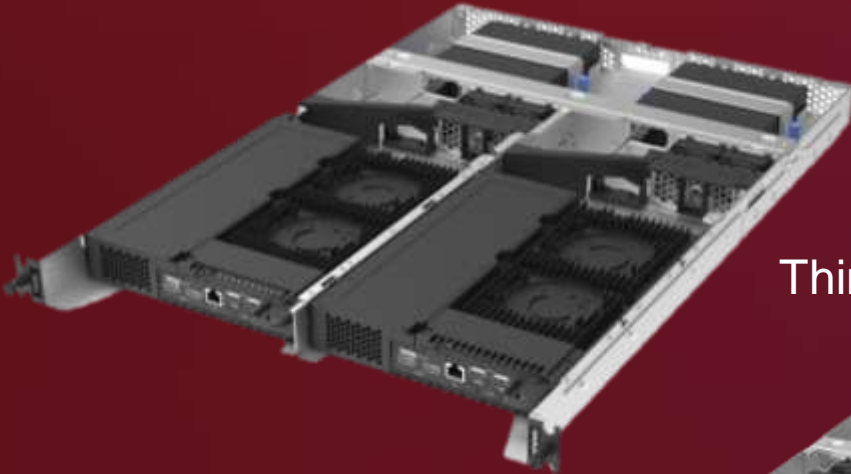
Rackmount option

Wall mount

ThinkEdgAe 1U2N Enclosure
With GPU

ThinkEdge 1U3N Enclosure

Standalone



Software

Lenovo Management & Automation Software



Centralized systems management suite to monitor, manage and automate Lenovo's infrastructure



An automated platform to deploy, optimize and manage cloud infrastructure (bare metal servers, containers, VMs).



Lenovo intelligent computing orchestration (LiCO) brings several open-source components into a single GUI to make the access of computing resources easier for AI development and training and HPC cluster management

XClarity Software Suite

Cloud automation
and IT service
management
processes

4

Lenovo

XClarity Integrators

- Integration into leading virtualization management consoles and IT service management tools
- VMware, Microsoft, Cloudforms, Chef, Puppet, ServiceNow, MSFT WAC

Innovative
Centralized
Management

3

Lenovo

XClarity Orchestrator

Lenovo

XClarity Administrator

- Centralized software-based delivery and management for ThinkSystem servers, storage, and networking
- Mobile app for anywhere management
- REST APIs for ease of integration into software-defined environments

Platform
Management Tools

2

Lenovo

XClarity Essentials

- Collection of one-to-one management tools
- Scripting tools
- Bootable Media Creator

Embedded Platform
Management

1

Lenovo

XClarity Controller

- Embedded management engine common in all ThinkSystem servers
- Fresh, uncluttered graphical user interface
- Redfish-compliant web-based REST APIs for ease of inter-operability

XClarity Family

- **XClarity Essentials**

- 1 to 1 management and scripting tools for customers.
- Some tools integrated into XClarity Administrator

- **XClarity Mobile**

- Remotely monitor systems with integration into XClarity Administrator
- Virtual LCD panel for Purley Systems forward

- **XClarity Administrator**

- HW monitoring and Alerting
- Updated Firmware, Configuration and OS deployment
- Scalability to manage up to a 1000 Nodes

- **XClarity Orchestrator – Manager of Managers**

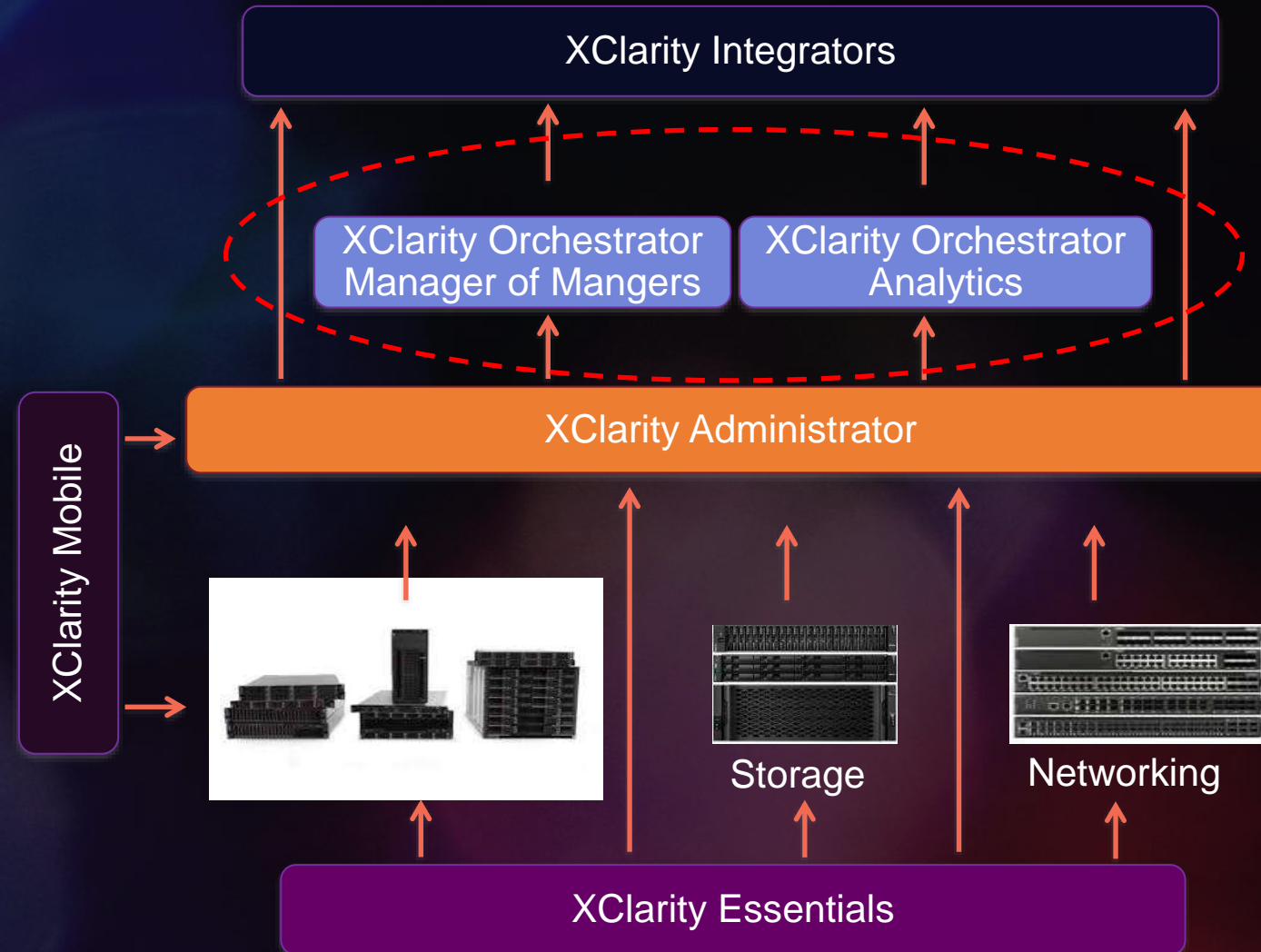
- Enables management scalability for 10,000 servers and hundreds of chassis, across multiple domains

- **XClarity Orchestrator – Analytics**

- Predictive Failure information learned will help all customers and lower overall service costs.
- First step towards having self healing systems.

- **XClarity Integrators**

- Integration into virtualization managers and upper level management tools. (ie. VMware, Microsoft, RedHat, Ansible, Chef, Puppet, Splunk, MS Azure Analytics, etc.)



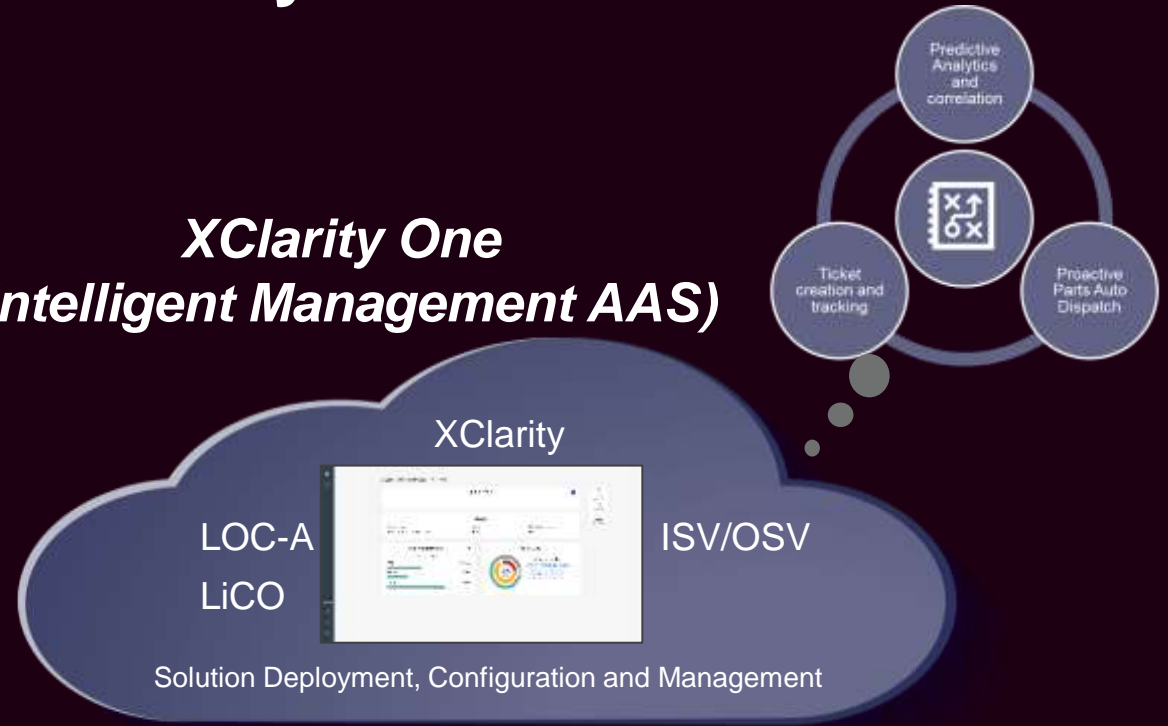
Intelligent Management - The Evolution to XClarity One

PRESENT XClarity Family



- New application, smaller footprint
- Intuitive user interface
- API's / SDK for Partner integration

XClarity One (Intelligent Management AAS)



- Unified Intelligent Hybrid Cloud Interface
- Cloud native developed services
- Support for Edge, Servers, PC's & Storage

Customer Value

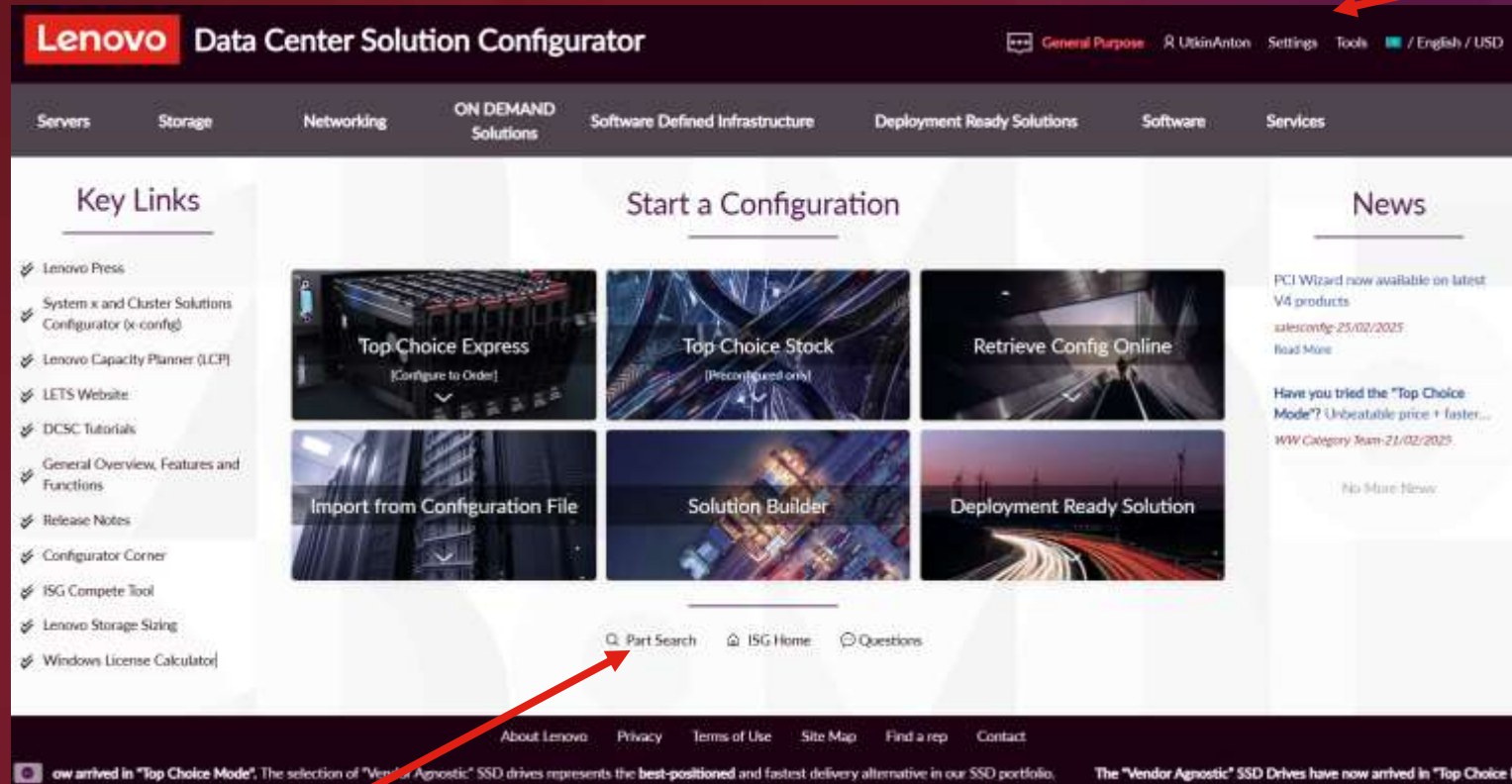
Services

- **Standard NBD Support**
 - Problem Determination available 24x7
 - Technician installed parts
- **Premier NBD Support**
 - Problem Determination available 24x7
 - Technician installed parts
 - Senior-level Lenovo Engineer support
 - End-to-end case management
- Premier **Advanced** levels – 4h response
- Spare warehouse in **Almaty, Baku, Tashkent**
- Onsite / remote **deployment**
- **Professional services** tokens



Lenovo Video Surveillance Storage Estimator_{DCSC}

- Authorization
- Tools
 - OSIG
 - Compare
 - Merge



Compete tool

Storage Sizing

Part search

Tools

Lenovo Video Surveillance Storage Estimator

<https://dcsc.lenovo.com/surveillance-storage-estimator/en-US/index.html#!/home>

Lenovo Video Surveillance Storage Estimator

 Add Camera Group

Use the [LSST \(Lenovo Storage Sizing Tool\)](#) to create a compatible storage system. If you do not have access to LSST or would like an in-depth analysis of your video data storage requirements, contact a [Lenovo ThinkSystem expert](#).

* The Lenovo Video Surveillance Storage Estimator is a tool that provides an estimate of how much storage and throughput is required to ingest and store video data from an entered set of video cameras. Due to the many estimated variables involved in this calculation, the values and product recommendations may differ from the actual results.

[Lenovo Privacy Statement](#)

[Lenovo EULA and License Information](#)

Tools

Storage Sizing Tool



Welcome To Lenovo Storage Sizing Tool



Home



Projects

Choose a Product Line

ThinkSystem DM Series and
DG Series



ThinkSystem DE Series



Choose a Workflow



Size and Recommend

Get system recommendations based on performance and capacity workload requirements.



Design a System Manually

Design a system manually and get estimated capacity.

Where to start?

Product descriptions, videos, solutions, configurations: <https://lenovopress.com/>

LPH - Lenovo Partner Hub: <https://www.lenovopartnerhub.com/>

Lenovo Enterprise Technical Sales (LETS): <https://lets.lenovo.com/>

Support center, firmware updates, downloads: <https://support.lenovo.com/>

Warranty lookup: <https://datacentersupport.lenovo.com/ru/en/warrantylookup>

Solution configurator : <https://dcsc.lenovo.com/#/>

3D Catalogue: <https://www.lenovofiles.com/3dtours/products/index.html>

Success stories: <https://lenovosuccess.com/>

YouTube: <https://www.youtube.com/@LenovoDataCenter>

Smarter
technology
for all

Lenovo

thanks.