Smarter technology for all

Welcome to a New World

Lenovo's vision for intelligent transformation

Dave Weber, Global FSI CTO & Director
dweber@lenovo.com

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Lenovo

New tech is rapidly transforming our work … and work from home

A changing world

Cloud to the Edge

Immersive Computing-AR/VR

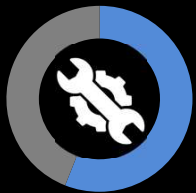**Artificial Intelligence**

Smart Connected Solutions

5G Networks

TOP 5 CIO strategic priorities:

1 Employee Talent & Experience
2 Workplace Transformation
3 Security
4 Digital Transformation
5 Disruptive Technologies
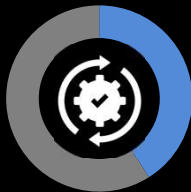
Market Insights: COVID-19

Survey of 1,000 global corporations, March 2020

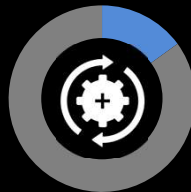## EMPLOYEE PERSPECTIVE

56%
report that employers have provided the **tech and tools** they need to WFH

46%
of workers report **productivity** is on par with at the office

15%
of workers report productivity **increases**

There is a sense that this situation might usher in
more permanent change

77%
say the majority of companies will be more open to letting workers **WFH** once things return to normal

Lenovo's strategy delivers 'Smarter technology for all'

Smart IoT

Smart Infrastructure

Smart Verticals

5

Lenovo is a global technology leader

#1

Clear Industry #1 PC Vendor
25% global share

1st

5G Smartphone
Moto Z Mod

#1

Data Center
Performance & Reliability
Supercomputers

Global scale & investments help us innovate

180 we do business in 180 markets

15 R&D locations worldwide

36 manufacturing facilities

4 new devices bought per second

10K+ engineers, researchers and scientists

4 new AI innovation centers

Lenovo's strategy to solve industry challenges

Empower Business Users with World's Smartest Computing Solutions

Industry-Leading Devices

Empower Users with the Right Digital Tools for their job

Smartest, most innovative PC Portfolio

High-performance workstation solutions

OEM embedded solutions and Smart Edge

Security and Productivity

Make IT more efficient and deliver the right collaboration tools

ThinkSmart Employee Collaboration Tools

ThinkShield — Industry-leading Endpoint security

Lenovo DaaS Device as a Service — DaaS device lifecycle management

Intelligent Solutions

Solving Challenges through emerging technologies

Vertical solutions targeting Education, Healthcare, Retail Finance

5G and Intelligent Connectivity Solutions

AI and Predictive Software Platforms

Core remote worker offerings improve productivity

THINKPAD   **THINKVISION**   **THINKCENTRE AIO, NANO & TINY**

Built-in ThinkPad Innovations for End User Collaboration

- Quad Far-field Microphones / Dolby Audio Speakers
- Modern Standby (wake faster) / Smart Standby (sleep smarter)

- 4K Dolby Vision HDR displays
- WWAN Enabled Systems

Remote employees' personal productivity assistant – NEW

ThinkSmart View

- Time-saving one-touch Microsoft Teams meeting start
- Video calls, content viewing frees up the PC for notetaking or other work
- Built-in camera shutter, microphone mute button and 4-digit access pin ensure greater privacy

Lenovo provides customers choice in data center & cloud

ThinkAgile
Software-Defined Infrastructure – On-prem & hybrid cloud

ThinkAgile CP SERIES • Microsoft • SCALE COMPUTING

NUTANIX • Pivot 3 • veeAM • vmware

ThinkSystem
Engineered Solutions & Software

AI
Big Data/Analytics
Blockchain
Cloud
Database
DevOps
HPC
Hyperscale
IoT/Edge
NFV
Virtualization

CITRIX • CLOUDERA • IBM

MAPR • Microsoft • ORACLE

Red Hat • SAP • openSUSE

NetApp • vmware

Storage
HPC/AI
IoT/Edge
Servers
Hyperscale
Networking

Services: Solution Design, Implementation, Support, TruScale

ThinkSystem SR650

Intel XEON PLATINUM inside

ITPro 5 Star Review Winner

versatile data centre workhorse at a great price made all the more appealing by Lenovo's smart new remote management controller

Intel Cascade Lake Refresh

INDUSTRY LEADING FREQUENCY
↑ 3.9GHZ BASE FREQUENCY
↑ 4.5GHZ TURBO FREQUENCY

Maximize Uptime

98%

ThinkSystem SR650 with Intel DC Optane Persistent Memory provided always on data availability while achieving 90-98% of DRAM performance for write to read only DB workloads up to 6TB.

AEROSPIKE

Accelerate Analytics

7x

Improvement in Antuco suite STAC-M3 results for single-node 2-socket servers running the Kx Systems kdb+ database on ThinkSystem SR650 with Intel Optane Persistent Memory

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Reduce TCO

2x

Cost Reduction per VM for Client Virtualization applications with Intel Optane DC Persistent Memory

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Faster Financial Insights

#1

#1 STAC M3 benchmark
#1 TPC E benchmark
(brokerage trade)

Optimized for Performance: ThinkSystem SR650

Fastest system for business decisions #1 TPC H benchmark	Fastest system to process complex brokerage trades #1 TPC E benchmark	Fastest system financial data analysis #1 STAC M3 benchmark
Most efficient system for VMs (perf/watt) #1 SPECVirt_sc2013 benchmark	Most efficient system for VMs (perf/watt) #1 SPECVirt benchmark	Fastest system for VMs #1 SPECVirt benchmark
Fastest math & scientific analysis #1 SPEC CPU 2006 benchmark	Best Big Data (HW/SW) Performance #1 TPCx-BB benchmark	Best Performance (HPC) #1 SPEC ACCEL OpenMP benchmark
Best Performance (HPC) #1 SPEC ACCEL OpenCL benchmark	Best Performance (HPC) #1 SPEC MPI 2007 2-node benchmark	Best Performance (HPC) #1 SPEC MPI 2007 5-node benchmark

ThinkSystem

SR655 and SR635 – 1P

AMD EPYC

Specifically-built to harness the **full potential** of AMD's 2nd Gen EPYC platform

32 NVMe drives

28 1:1 connection

Largest NVMe drive capacity of any 1S 2U or 1U in the market[1]

6 Single-width GPUs

3 DW GPUs

Dense GPU configurations without compromising storage[3]

128 lanes in 1S

PCIe Gen4

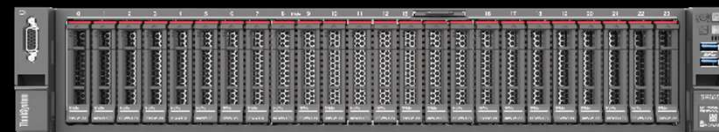Highest bandwidth I/O of any 2U form factor[4]

64 32, 24, 16, 8

Cores per socket

Extreme core density in a 1S system

3200 MHz

8 memory channels

Elevates performance of memory-bound workloads

ThinkSystem

SR665 and SR645 – 2P

AMD EPYC

New

Up to
79%
Faster analytics[1]

Enable faster **big data analytics** to improve business outcomes and address the explosion of data

Up to
2x
SQL OLTP throughput[2]

Greater **transaction processing** with **128 CPU cores** per system to better handle peak database utilization without adding capacity

Up to
45%
More memory bandwidth[3]

Next generation **PCIe Gen4 I/O** and memory bandwidth empower high performance **virtualized environments**

Key Values More timely **inventory forecasting** optimizes manufacturing processes, greater **transaction capacity** benefits financial services, improved **prescriptive analytics** for research and development
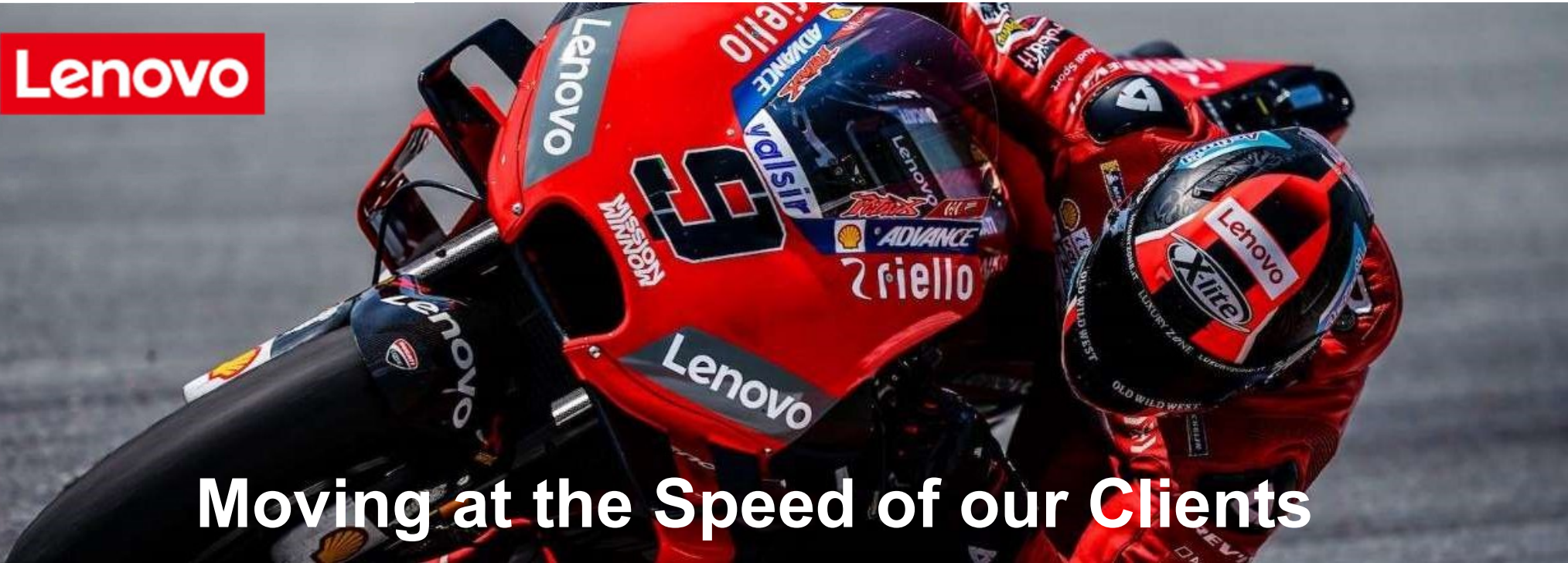
Lenovo

Not STAC Benchmarks

Moving at the Speed of our Clients

Best Performance

Leadership Workload Performance

Advanced Memory Technology

Secure IT Foundation

STAC® Leadership

Best Reliability

Better Utilize Data

Lower Overall IT Costs

Reduce Downtime

Scale to your Business

Best Business Value

Focus on Innovation

Leverage AI for Smarter Infra

Get to Market Faster

Show Return on Investment

thanks.

Smarter
technology
for all

Lenovo