Lenovo HPC/AI Overview

Madhu Matta
Vice President & GM
HPC and AI

Lenovo and HPC
HPC Technology Leadership

#2   On TOP500 list with 87 listings
Up from zero in 2014

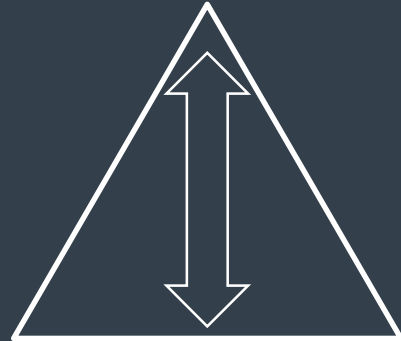| Best Use of High Performance Data Analytics	Best Use of HPC in Life Sciences	Best HPC Server Product or Technology	Best HPC Collaboration Academia/ Government/Industry	Best HPC Storage Product or Technology
HPC wire Readers' Choice Awards 2017	HPC wire Readers' Choice Awards 2017	HPC wire Readers' Choice Awards 2017	HPC wire Readers' Choice Awards 2017	HPC wire Readers' Choice Awards 2017

1st   Skylake-based HPC System - Installed before Intel Announce

1st   Direct water cooled Skylake-based HPC System

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LENOVO™

HPC Anywhere. Any Size. Any Use.

Supercomputing
Divisional
Departmental
Workgroup

Hardware

Software

Service

Solutions

MANUFACTURING

ACADEMIA

LIFE SCIENCE

OIL & GAS

METEOROLOGy

ENGINEERING

Lenovo and Our Customers
HPC Advantage Through Partnership

Moving from Digital to Intelligent Transformation

Diagnosing tumors in healthcare

Quality control in manufacturing

Drought management in agriculture

Algorithmic trading in finance

Predictive maintenance

Customer-Centric Approach to AI

Discover
Experience AI

Ecosystem of Experts and Partners

Develop
Tools for fast start

Plug-and-play Simplicity

Deploy
Simplified Deployment

End-to-End Rapid Deployment

Worldwide AI Innovation Centers

HW & SW Platforms for app development

Solution guidance & Professional Services

Lenovo™

DISCOVER AI benefits with the Lenovo AI Innovation Centers

INFRASTRUCTURE

ThinkSystem

PARTNERS

RESEARCH INSTITUTIONS	TECHNOLOGY PARTNERS	ECOSYSTEM PARTNERS

FRAMEWORKS

Caffe2   torch   mxnet

MORRISVILLE   **STUTTGART**   **BEIJING**   **TAIPEI**

Online Today!   Virtual   Online Today!

Current WW Lenovo "DISCOVER" AI Projects

Data center AI projects in motion today

A more efficient and effective	For better quality control on	For proactive actions improving	To advance particle physics at
Radiology Practice	**Manufacturing Lines**	**Water & Energy Conservation**	**CERN's Large Hadron Collider**

THE UNIVERSITY OF CHICAGO

Mark III Systems

NC STATE UNIVERSITY

UCL

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Nimbix & Lenovo

Solutions from the data center to the cloud.

- Improving your TCO: picking the right cloud provider is key

- Choose a provider that understands your workloads and business

- The future of data center will be hybrid, providing flexibility for your business

NIMBIX
supercomputing made super human™

ITProPortal — "Lenovo Boosts Enterprise AI Development" **March 22, 2018**

THENEXTPLATFORM — "There Is No Such Thing As Easy AI – But We're Getting Closer" **March 22, 2018**

inside HPC — "Lenovo Updates LiCO Tools To Accelerate AI Deployment" **March 21, 2018**

thanks.
Different is better

Lenovo™