HPC at HP
Update for Teratec

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High Performance Computing - Hyperscale BU / ISS
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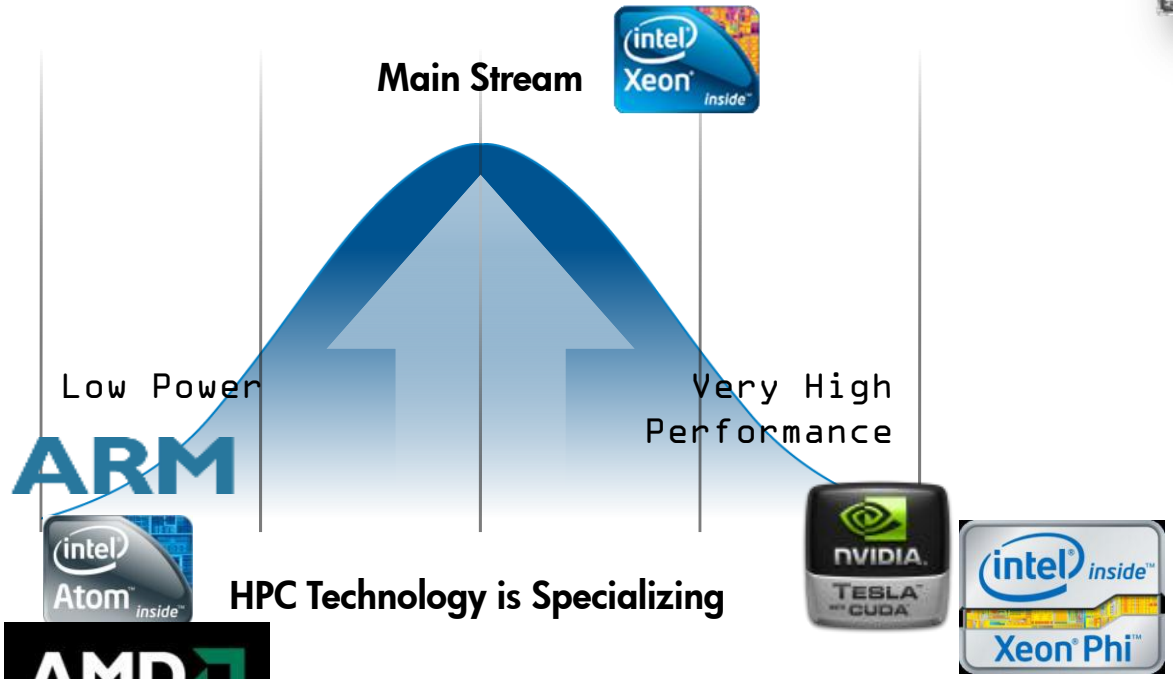
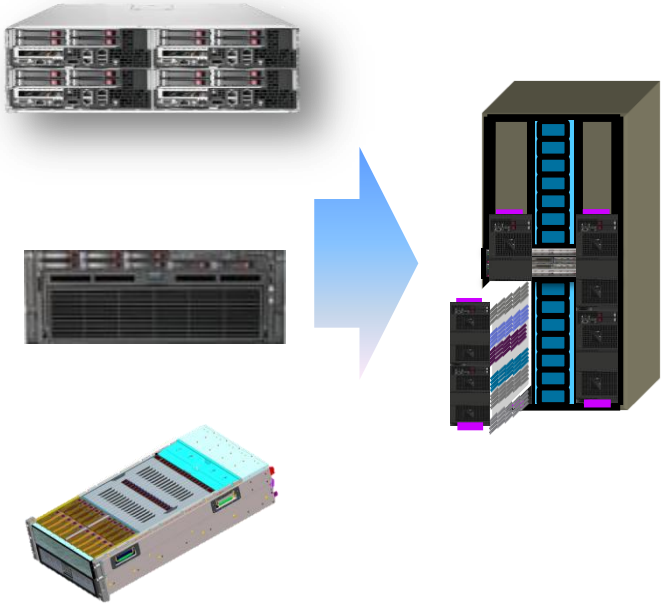
Flexible HPC





HP is Converging Infrastructure

Providing Flexibility and Optimization

Project Moonshot – Extreme Low Energy Servers

HP industry leadership required to unlock savings

Extreme Low Energy Servers

Space Energy Costs

HP Project Moonshot

- 1,000s of servers per rack
- Workload - tuned servers
- Federated infrastructure scales seamlessly with additional servers

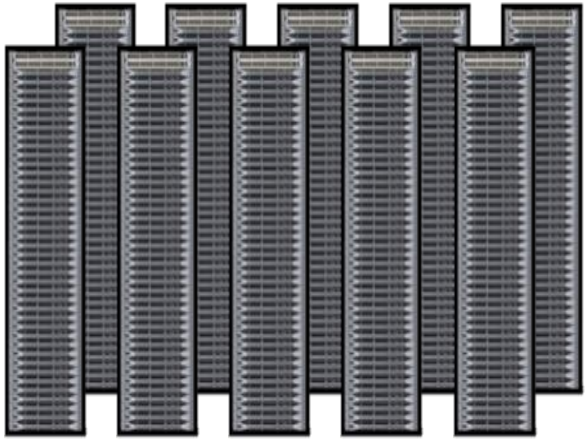
By 2015, extreme low-energy servers could grow to 10-15% of the global server market

Breakthrough Savings and Simplicity

Designed to unleash the promise of emerging extreme low-energy servers

Traditional x86

$3.3M



400 servers
20 switches
1,600 cables
91 kilowatts

89% less energy
94% less space
97% less complex

HP ‘Redstone’

$1.2M

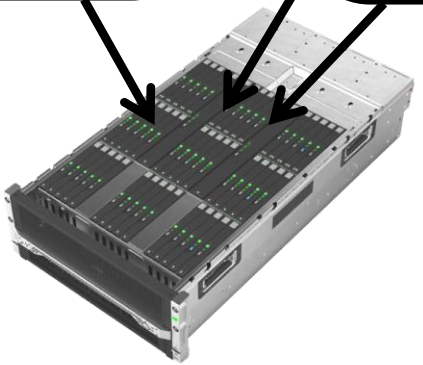
1,600 servers
2 switches
41 cables
9.9 kilowatts

web hosting, and data analytics applications initially, several HPC workloads already targeted

Moonshot: Gemini 101

45 Hot-Plug Cartridges:
Compute, Storage, or Both,
X86 and ARM

Integrated A & B Switches:,
180x10G downlinks,
6 x10G Stackable Uplinks



A & B Switch Uplink
Personality Modules

Hot Plug Fans

Common Slot Power
Supplies

Federated iLO Chassis
Management Module

Accelerate innovation with HP

HP delivers high-performance innovation at any scale.

Faster

Speed advancements with a converged infrastructure, purpose-built for scale.

Better

Optimize your performance footprint with the world's most efficient systems.

Smarter

Deploy easily, adapt quickly to change, and improve quality of service.

Thank you