



# Enabling Future Power Architectures

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# Demands are Astronomical

# Resources are Constrained

Business Growth

Data Growth

Innovation

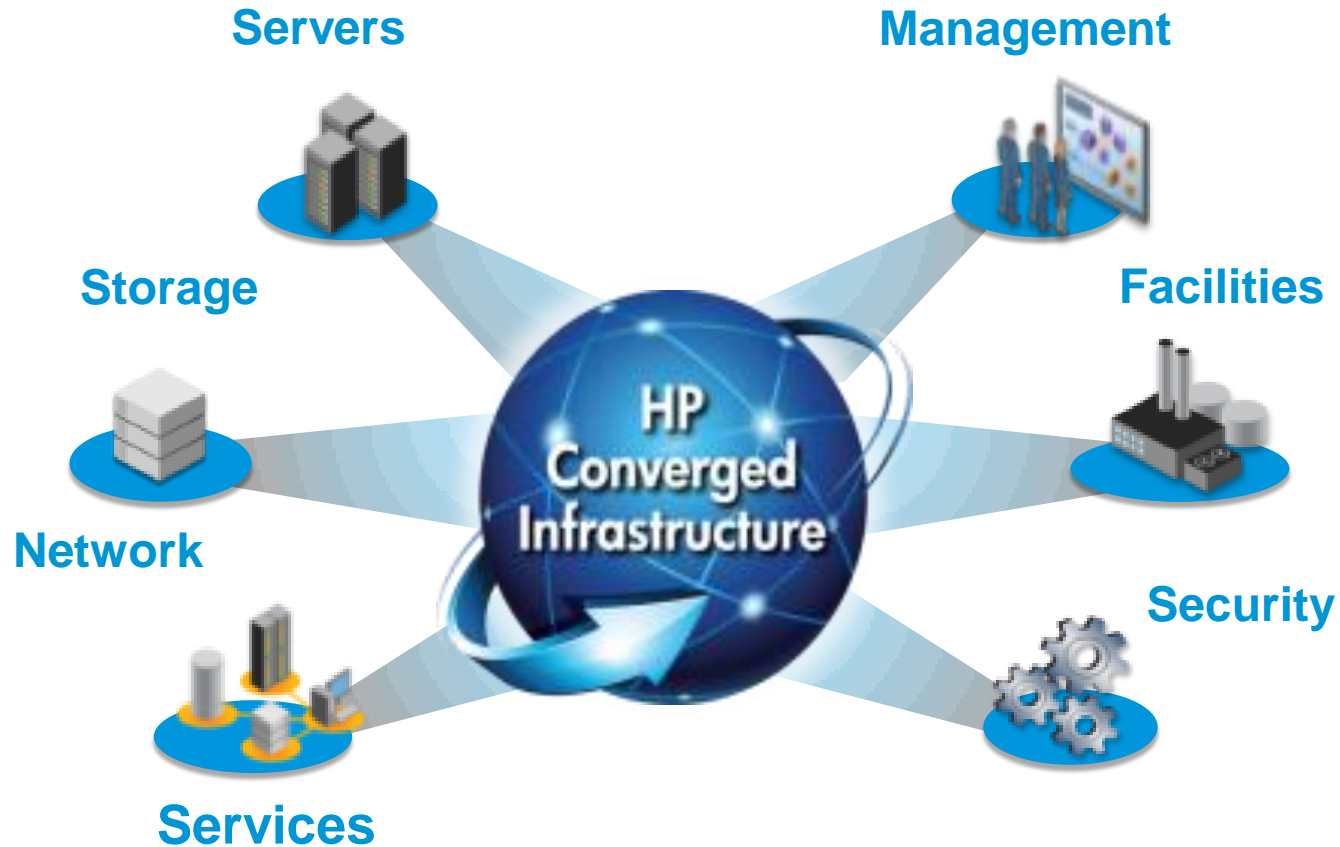


Financial

Capacity

Infrastructure

# HP Converged Infrastructure



# Powering, cooling and housing IT is Expensive

*“Saving One kWh of energy can defer \$25K of data center costs”*

Uptime Institute



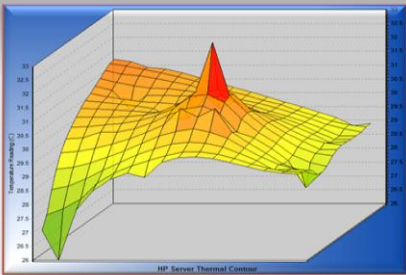
- Inefficient equipment wastes resources
- **40%** of available rack space is under-provisioned or unused\*
- Data centers provision **60%** more power than used

# 70% more compute per watt

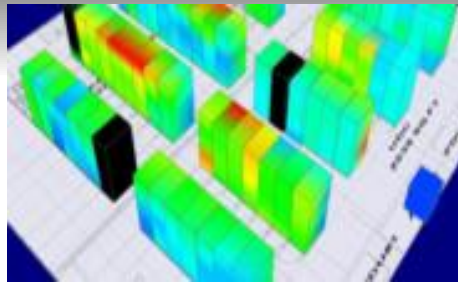
HP Gen8 Proliant Servers - Automated Energy Optimization

## 3D Sea of Sensors

Thermal Discovery



Location Discovery

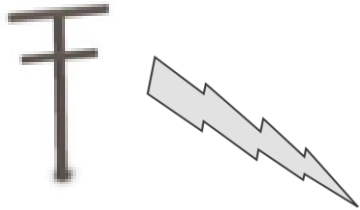


Power Discovery



# HP Gen8 Proliant – HVDC Capable

A more modular, scalable, efficient power solution



110  
VAC

-48  
VDC

277  
VAC

240  
VAC



2H 2012



380 VDC

**One slot – Many solutions**

**Emerging  
Solution  
Ready!**



Proliant DL380 Gen8



# Thank you

