



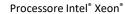
Simplifying the Cloud Journey: al via la nuova era del Data Center progettato per il Futuro

Gianfranco Bauco Pre Sales Data Center Group





Simplifying the Journey to Cloud

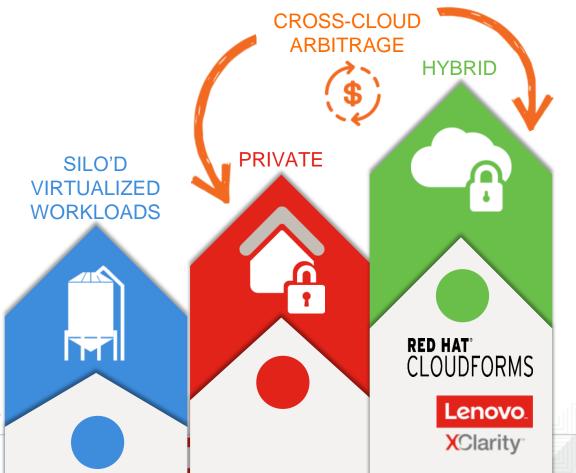




redhat.











- Jointly engineered solution
- Reduced time to market
- Agility with Lenovo XClarity & Red Hat CloudForms









Changing the Economics of the Data Center

A full open hybrid cloud portfolio of solutions to provide customers with the right platform for every application



Device to Data Center Open Hybrid Cloud Solutions

IT organizations can provide the right technology for the right business problem across the entire infrastructure, from virtualization, to private, to public cloud







Solving Data Center Challenges with Solutions

Traditional
On-Prem
Data Center

Partner Services

Red Hat

CloudForms Operations Management Software

Red Hat

OpenStack Cloud & Ansible Orchestration Software

Red Hat

Linux Operating System, Hypervisor & Software Containers

Lenovo

XClarity Simplified Hardware Provisioning

Lenovo

Innovative, Award-Winning Hardware

Next Generation
Hybrid
Data Center







Changing the economics of Cloud Computing









Speed service delivery and increase resiliency



Avoid vendor lock-in and dependencies



Reduce IT capital expenditures and operating expenses



Accelerate deployment of new applications



Rely on end-to-end, open, resilient, and secure platform



Choose capabilities as needed for your environment and use cases



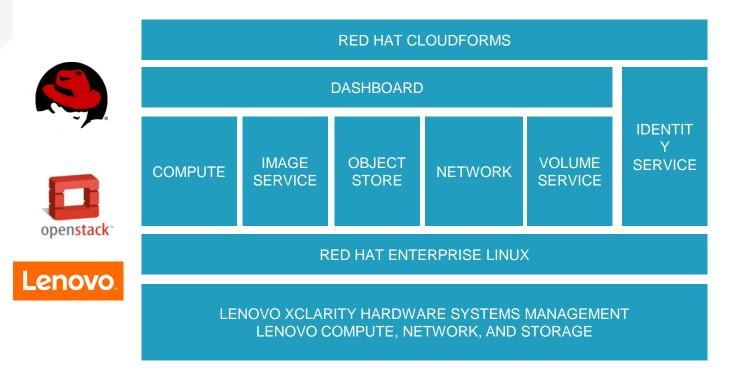




Integrated, Validated, and Customizable Cloud Reference Architecture



Processore Intel® Xeon®





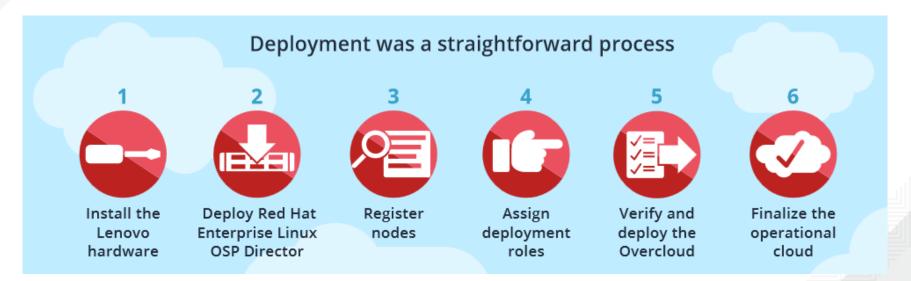




6 Steps to Accelerate Time to Value













Create a Private Cloud Solution with Lenovo & Red Hat

- Reference Architecture includes:
 - Nova, Swift, Glance, Keystone, Horizon, Neutron, Cinder, Ceilometer, Heat, Trove, Ironic Sahara
 - Integration with Ironic for bare metal automated deployment
- Hardware Includes:
 - 2U ThinkSystem SR650
 - Lenovo 10Gbps switches with upto 126 x10Gbps ports
- Lenovo is Single point of support for Hardware and Red Hat Software



 Implementation by Lenovo Professional Services



https://lenovopress.com/lp0762.pdf







Scale out on SDS with Lenovo & Red Hat

- Reference Architecture based on 2U x3650 with up to 112TB per Node
- Open Stack Integration for Hardware Management
 Lenovo

XClarity

- Lenovo is Single point of support for Hardware and Red Hat Software
- Implementation by Lenovo Professional Services









Driving IT Industry Standards

Lenovo participates in 30+ enterprise & data center standards organizations

Board of Director New Membership 2016







IoT Summit™

























































Hardware

Software



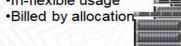




Together Driving Data Center Migration

Legacy Data Center

- Silo hardware
- In-flexible usage



Data center evolution

Cloud Data Center

- Pools of resource
- Flexible & easy to us

OS &

Hypervisor

+ SDS

SW

Defined

Appliance

(Storage +

Compute)

- Billed by usage
- ·High time to value
- Low cost

Public

Available to all (often for a fee)

Private Behind

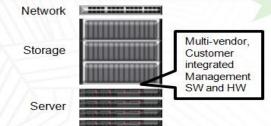
firewall

Data center Architecture

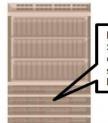
Data center Infrastructure

System Software (OS & Virtualization Hypervisor)

Hardware Management SW



Legacy Infrastructure



(Integrated Systems)

Factory integrated. Single part number ordering of server, storage, switch, & Management SW

Converged

Hvperconverged







Processore Intel® Xeon®



Lenovo / Red Ha

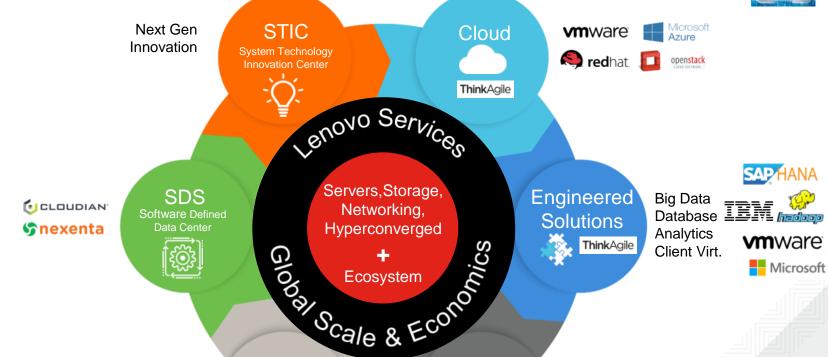
Rights Reserve





Processore Intel® Xeon®





Rack Scale Architecture Compute and Warm Storage Application Optimized



Bringing it all together: Lenovo 360

HPC



ThinkAgile

Computer Eng.
Oil and Gas
Risk Analysis
Weather
Deep Learning



RED HAT



RED HAT OPEN SOURCE DAY

Europe, Middle East & Africa



