Lenovo e RedHat

Una partnership di successo

Gianfranco Bauco
Lenovo DCG Technical Sales Specialist

#RedHatOSD

Data Center Group Vision

Be the most trusted data center partner – empowering customers' **Intelligent Transformation** and solving humanity's greatest challenges.

A global technology leader

DCG's 26 years of innovation

A history dedicated to continuous increases on performance, agility, and reliability

1992
x86 Server
IBM PC Server

1999
1st 1U Tier 1
Rack Server
1st Light Path Diagnostics

2002
1st Scalable 16-socket X86 server

2005
1st high availability hot-swap memory

2007
1st to decouple memory from processor

2010
1st x86 server to break 1M tpmC

2012
1st warm water cooling technology

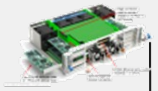
2014
1st integrated memory channel flash storage

2014
1st 45 °C
operating servers

2017
1st Mission-critical
8 way server in 4u
form factor

2017
Front/Rear access
to all server
components

2017
Flexible I/O



2018
Thermal
Transfer
Module

Lenovo's innovation continues

Dedicated to continuous advancements in performance, agility, and reliability for the data center

ThinkSystem

- **1st** Of all vendors in number of World Records
- **1st** In Supercomputing in the world
- **1st** Mission-critical 8 way server in 4u form factor with SR950
- **1st** Warm water cooled Intel Scalable Xeon supercomputer

ThinkAgile

- **1st** Deployment of Azure Stack in the world
- **1st** To have VMware vSAN ready nodes with Intel Optane SSD DC
- **1st** Full integration with Nutanix Prism
- **1st** To power on Intel Optane DC Persistent Memory

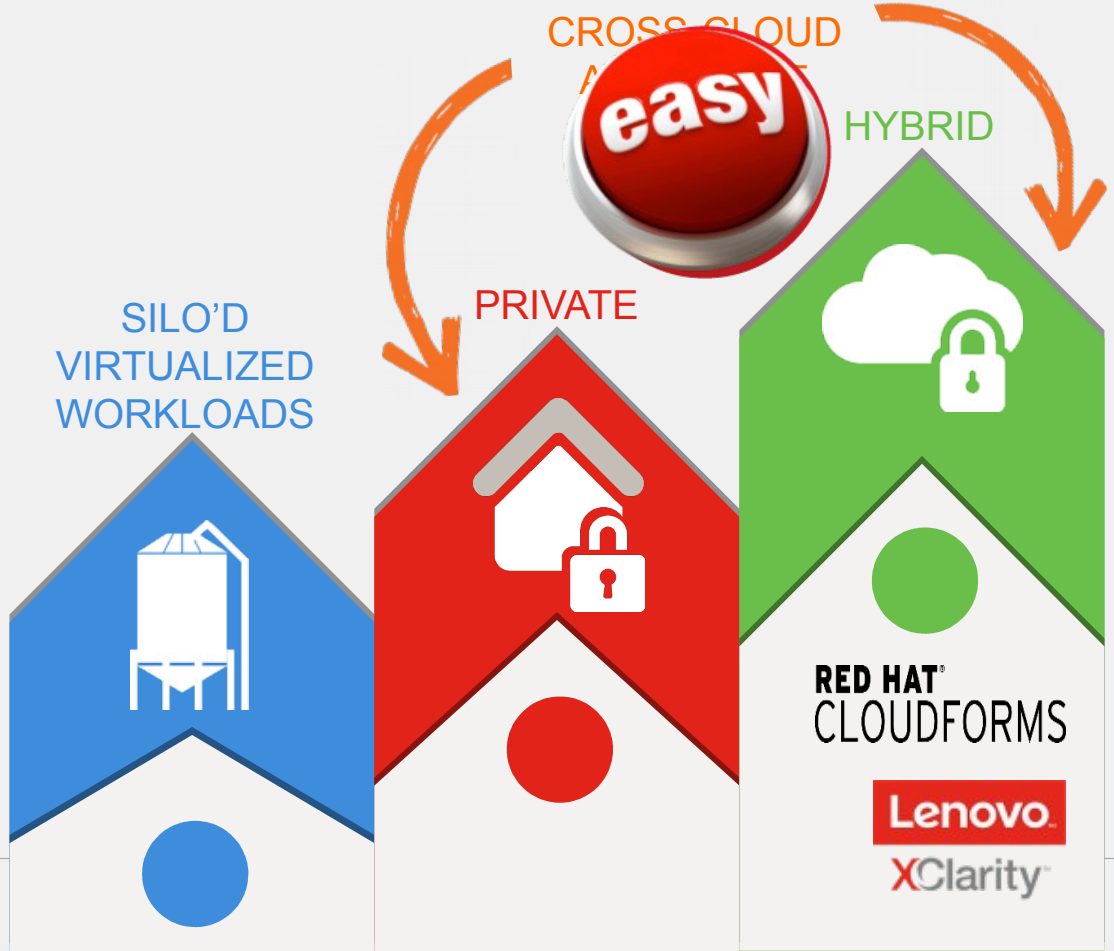
ThinkSystem

Server, Storage, & Networking Solutions
for the future-defined data center

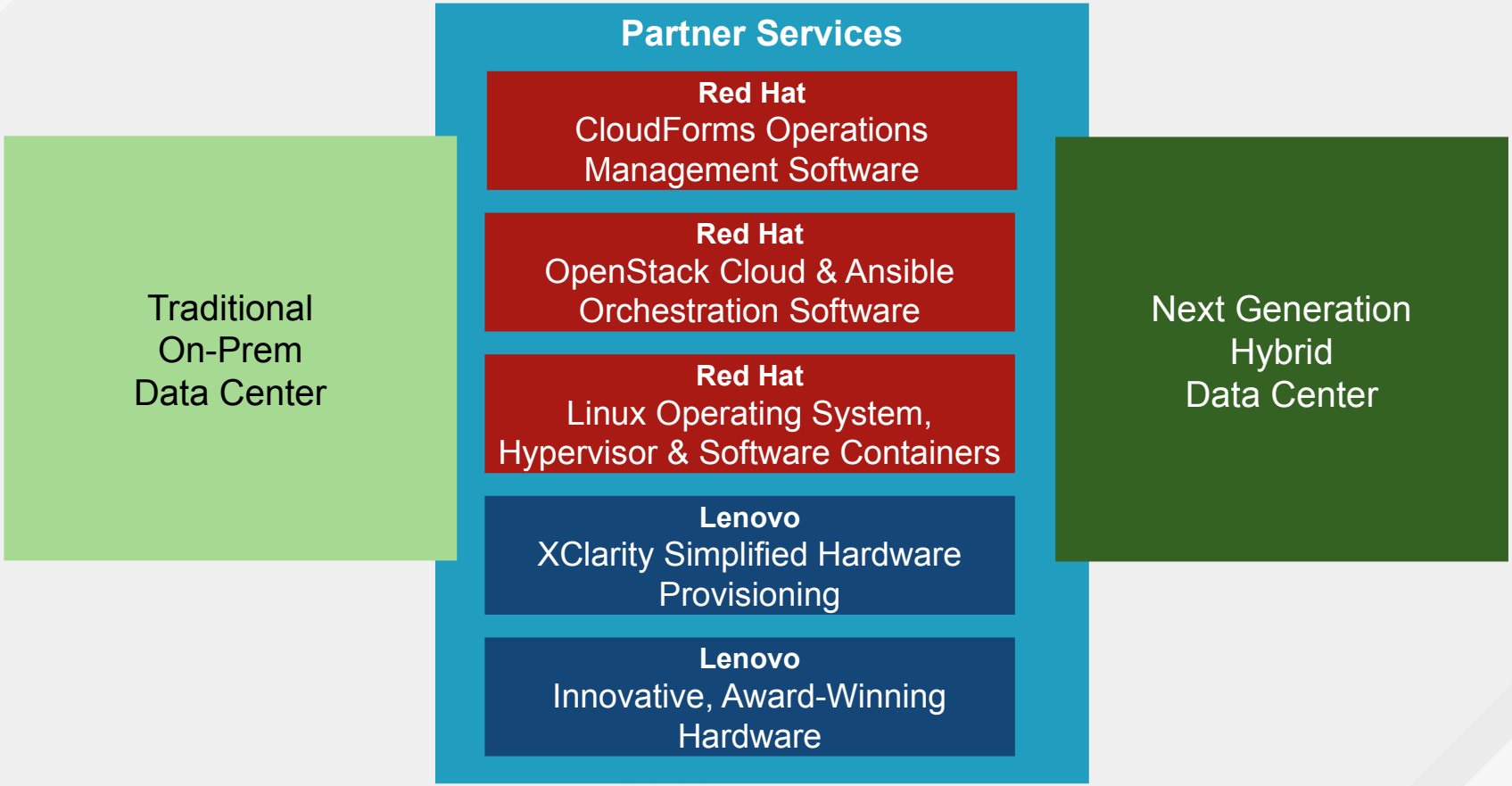
ThinkAgile

Next generation IT for
software-defined infrastructure

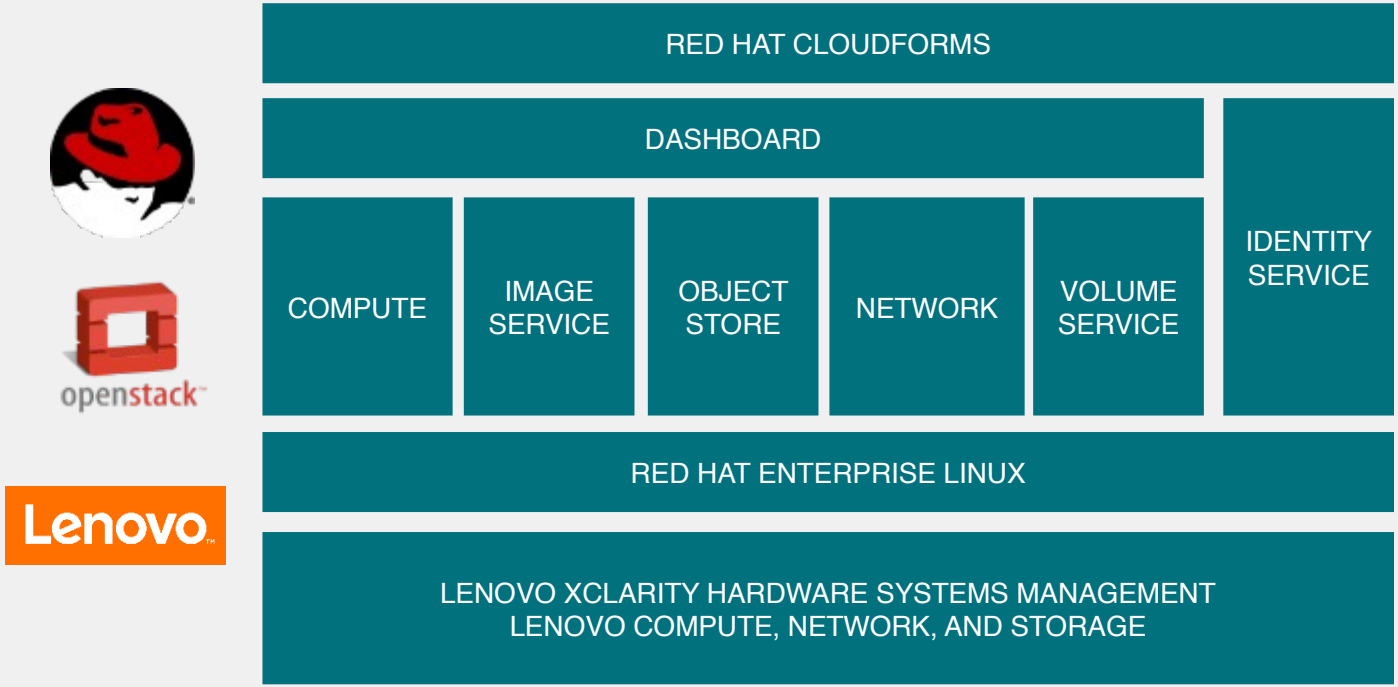
Simplyfing the Journey to the cloud



Solving Data Center Challenges with Solutions



Integrated, Validated, and Customizable Cloud Reference Architecture



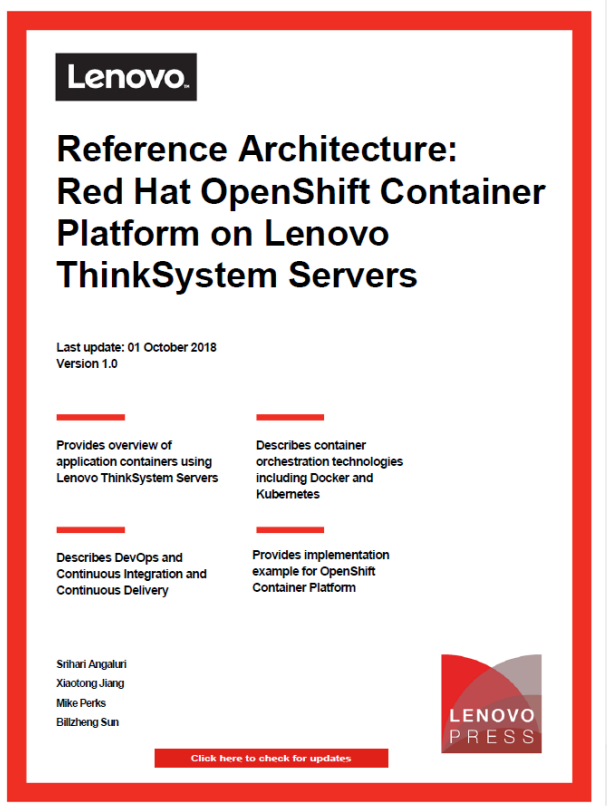
https://lenovopress.com/software/alliances/redhat

6 Steps to Accelerate Time to Value

Lenovo | redhat

Create a Container Solution with Lenovo & Red Hat

- Provides overview of application containers
- Container orchestration technologies (Docker and Kubernetes)
- Describes DevOps, Continuous Integration and Continous Delivery
- Provides examples for Openshift Container Platform



Lenovo XClarity

https://lenovopress.com/lp0968-red-hat-openshift-container-platform-reference-architecture

Create a Private Cloud Solution with Lenovo & Red Hat

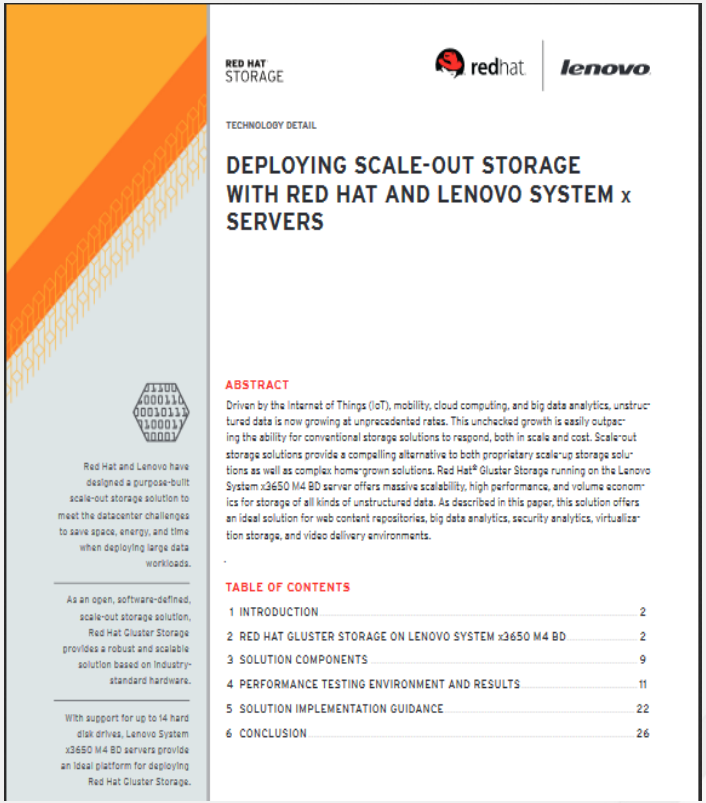
- Reference Architecture includes:
  - Nova, Swift, Glance, Keystone, Horizon, Neutron, Cinder, Ceilometer, Heat, Trove, Ironic Sahara
  - Integration with Ironic for bare metal automated deployment
- Hardware Includes:
  - 2U ThinkSystem SR650
  - Lenovo 10Gbps switches with upto 126 x10Gbps ports
-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

https://lenovopress.com/lp0762.pdf

Lenovo XClarity

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 is Single point of support for Hardware and Red Hat Software



RED HAT STORAGE

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TECHNOLOGY DETAIL

DEPLOYING SCALE-OUT STORAGE WITH RED HAT AND LENOVO SYSTEM x SERVERS

Red Hat and Lenovo have designed a purpose-built scale-out storage solution to meet the datacenter challenges to save space, energy, and time when deploying large data workloads.

As an open, software-defined, scale-out storage solution, Red Hat Gluster Storage provides a robust and scalable solution based on industry-standard hardware.

With support for up to 14 hard disk drives, Lenovo System x3650 M4 BD servers provide an ideal platform for deploying Red Hat Gluster Storage.

ABSTRACT

Driven by the Internet of Things (IoT), mobility, cloud computing, and big data analytics, unstructured data is now growing at unprecedented rates. This unchecked growth is easily outpacing the ability for conventional storage solutions to respond, both in scale and cost. Scale-out storage solutions provide a compelling alternative to both proprietary scale-up storage solutions as well as complex home-grown solutions. Red Hat® Gluster Storage running on the Lenovo System x3650 M4 BD server offers massive scalability, high performance, and volume economics for storage of all kinds of unstructured data. As described in this paper, this solution offers an ideal solution for web content repositories, big data analytics, security analytics, virtualization storage, and video delivery environments.

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Driving IT Industry Standards

Lenovo participates in 30+ enterprise & data center standards organizations

Board of Director
New Membership 2016

Hardware

Software

Lenovo

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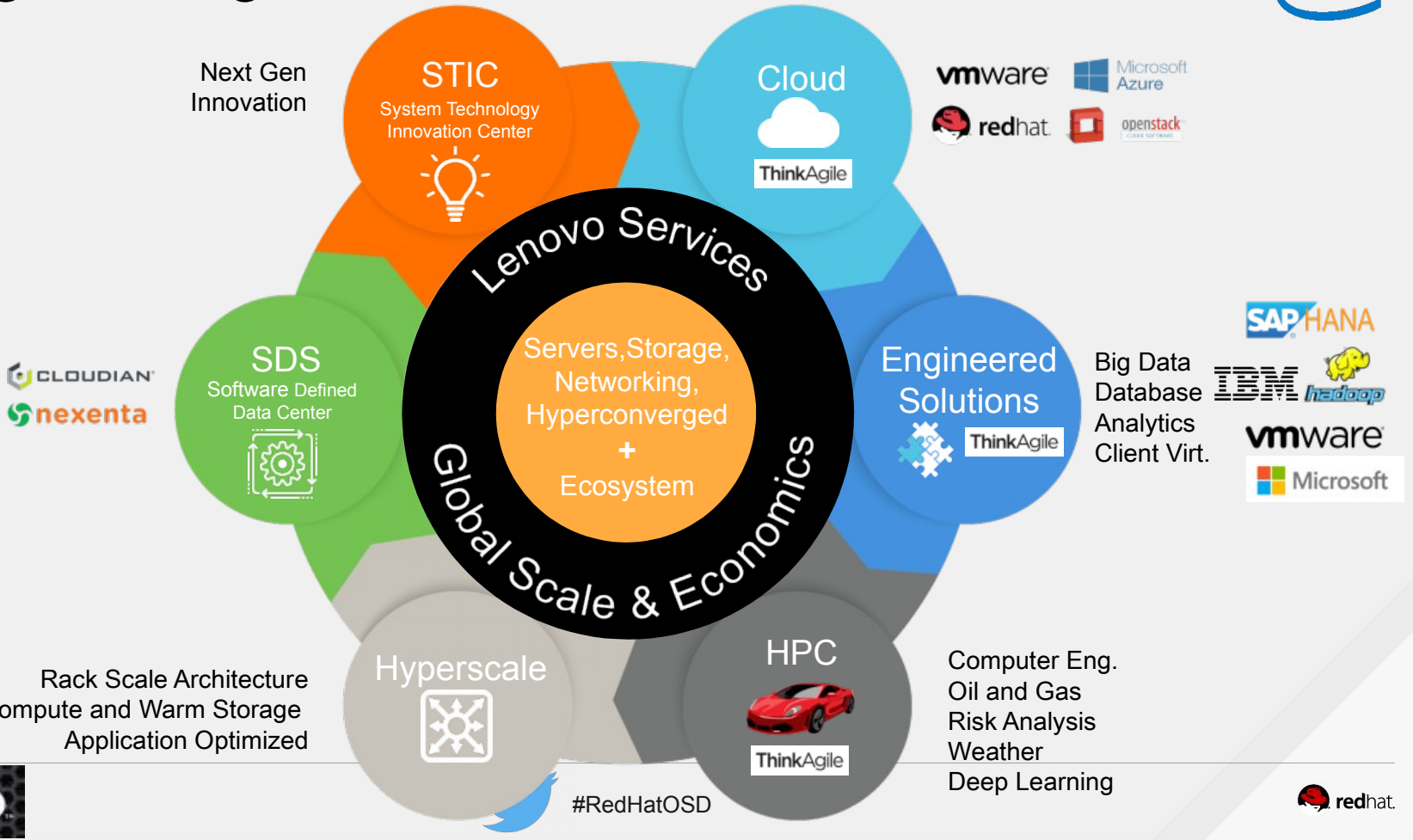
redhat.

Bringing it all together: Lenovo 360



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