Dell & Red Hat – Better Together Red Hat | D&LLTechnologies

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Organizations are transforming



80% of organizations have a **hybrid cloud** strategy in place today¹



67% of organizations currently use or plan to use **Kubernetes**¹



80% say that **IT automation** is "extremely important" to their future success²



92% say **digital transformation** will become more important in the next 12 months³

Cloud, container, and automation technologies are essential for digital transformation.

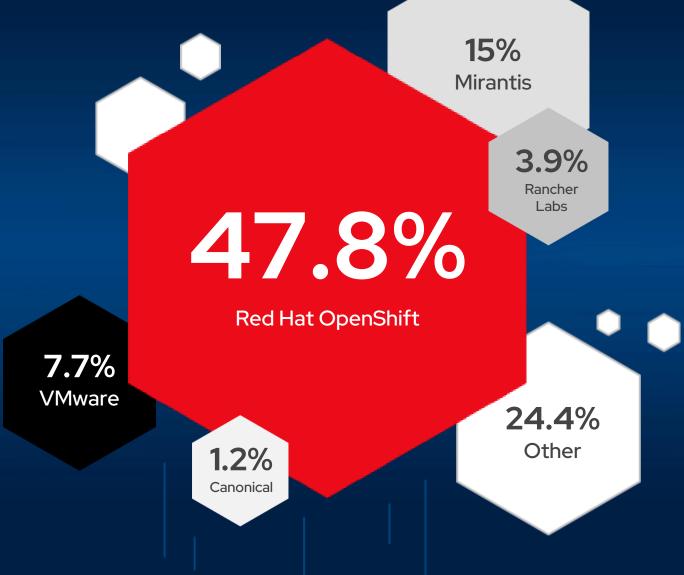
- Sources
- 1 Flexera. "Flexera 2022 State of the Cloud Report," March 2022.
- 2 Harvard Business Review Analytic Services, sponsored by Red Hat. "Taking the lead on IT automation: IT leaders as evangelists for their automation strategies," January 2022
- 3 Harvard Business Review, sponsored by Red Hat. "Digital Transformation Refocused: New Goals Require New Strategies," May 2022.



Container platform market share leader

Red Hat OpenShift

Container platform market share leader



Source: Who's Winning in the Container Software Market, IT Pro Today, Jun 29, 2021.

Barriers to innovating with multicloud



Management complexity



Limited multicloud visibility



Unpredictable cloud costs



Skills gaps

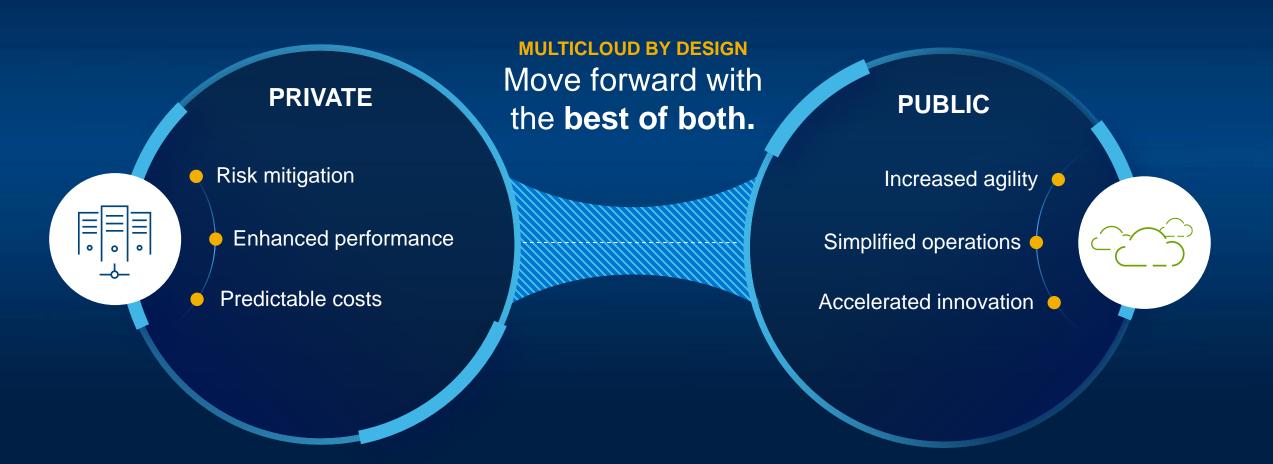


Inconsistent security and compliance



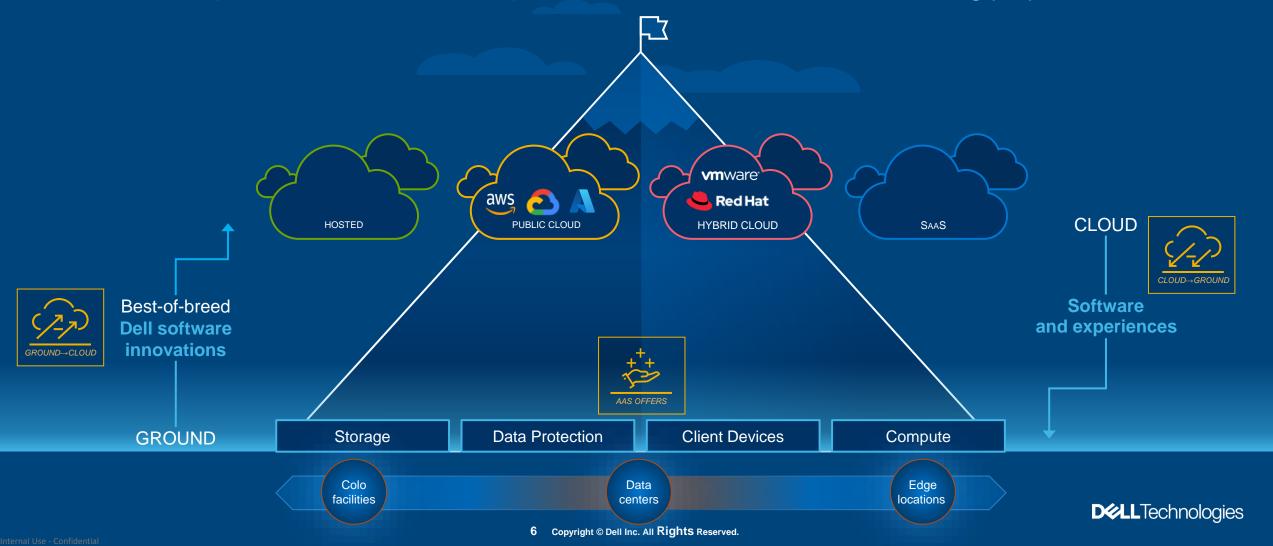
The need for multicloud by design

Organizations need the flexibility to choose the right infrastructure for their workloads



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Take advantage of multicloud by design.
Get simplified cloud experiences with technology you trust.



Combining strengths of the two leaders

DELLTechnologies

Leader in Infrastructure Platforms and Management

Leading portfolio of HCI, storage, server, networking and data protection

Software-driven innovations in management and orchestration

Broad solutions and services expertise



Leader in Container Management

Leadership in container management solutions for the enterprise

Broad portfolio of enterprise open source software solutions

Market leader in Kubernetes hybrid cloud application platform software



The Dell Technologies Red Hat Alliance is strong

24 Year Partnership

Dell started shipping Red Hat Enterprise Linux on Dell hardware in 1999



Red Hat Reinvestment in Dell



Red Hat continues to reinvest in Dell with resources, including Sales and Sales engineering headcount

Global engineers and specialists who work on Red Hat documentation, certification, validation, and testing of Red Hat solutions at Dell Technologies

Co-Engineered Solutions

Enterprise Ready Solutions, Ready Stacks, White Papers

- OpenStack
- Edge
- OpenShift
- Ceph
- AI/ML
- · SQL. SAP







Red Hat Premier Global Partner

Dell Technologies holds the highest level of partnership with Red Hat

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Red Hat – Multi-Cloud Strategic Portfolio



Allows teams to set up **automation** to provision, deploy, and manage infrastructure across cloud, virtual, and physical environments



OpenShift is a leading enterprise **Kubernetes** platform that enables a cloud-like experience everywhere it's deployed. (On-Prem, Cloud, or Edge)



RHEL is the world's leading enterprise Linux platform, certified on hundreds of clouds and with thousands of hardware and software vendors



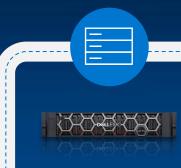
Dell Ansible Portfolio



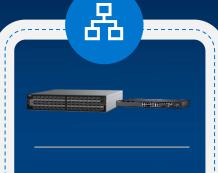
Making Infrastructure automation simpler with Ansible collections, modules and roles



- OpenManage Enterprise-Modular
- OpenManage Enterprise

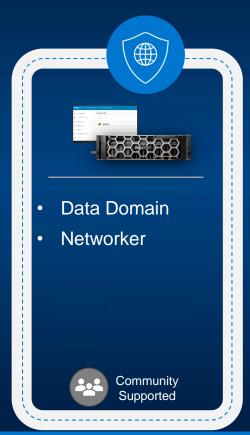


- PowerStore
- PowerMax
- PowerScale
- PowerFlex
- Unity
- VPLEX



- Enterprise SONiC
- OS10
- OS9
- OS6





Servers

Storage

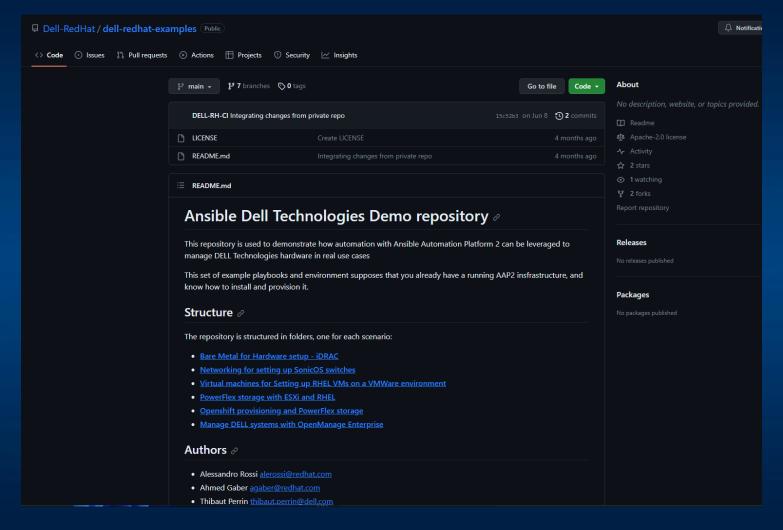
Networking

CI/HCI

Data Protection

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Dell Public repository with real-life examples available



https://github.com/Dell-RedHat/dell-redhat-examples



Dell Validated Design for Red Hat OpenShift



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intel







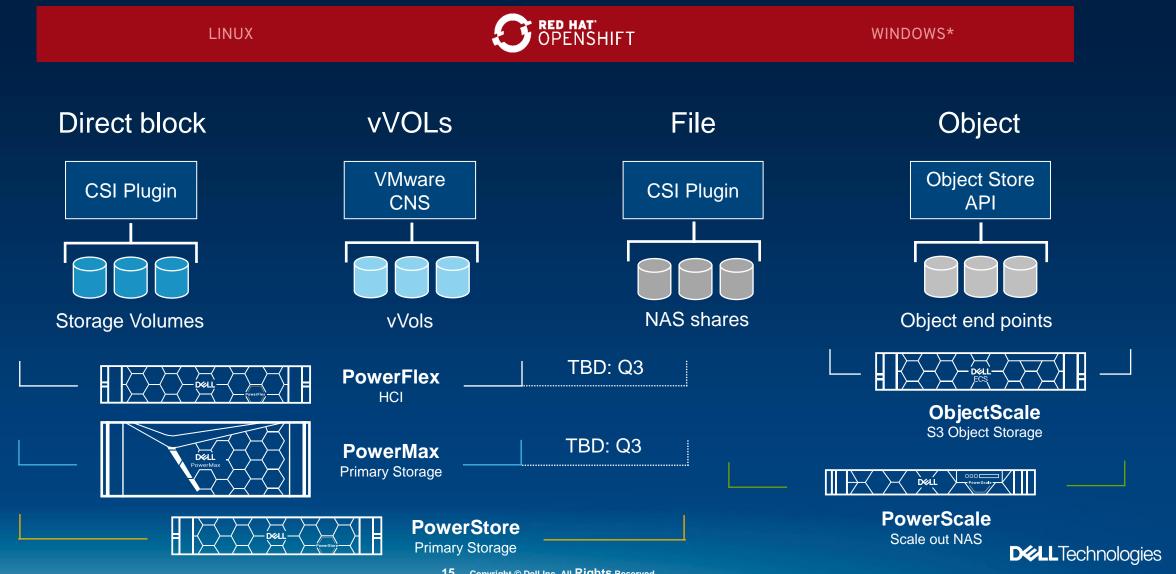
- Scalable reference architecture
 to simplify and accelerate enterprise grade container deployments on bare
 metal
- Speeds adoption time and minimizes risk to develop and deploy containerized applications
- Support for OpenShift Platform Plus (OPP) as an option, including:
 - Advanced Cluster Manager (ACM)
 - Advanced Cluster Security (ACS)
 - OpenShift Data Foundation (ODF)
 - Quay central image registry
- AI/ML & Analytic Validated Designs on OCP:
 - DataStax Enterprise on Apache Cassandra
 - Edge Analytics for Industry 4.0
 - Real Time Data Streaming
 - Spark on Kubernetes
 - KubeFlow
 - And more!

Key Values:

- Pre-validated and documented with design and Implementation and Deployment guides (With Ansible!) on Dell Infrastructure
- Optimized for flexibility, scalability, and performance
- Enables enterprises to rapidly adopt DevOps methodology or manage pre-built containerized applications
- Supports 1-node, 3-node, and 6+ node architectures,
 for both data center and edge applications
- Select from multiple storage options –including Dell PowerMax, PowerScale, and PowerStore, all with access to Container Storage Interface (CSI) and Dell's Container Storage Modules (CSM).
- Leverage key Red Hat capabilities, such as Zero
 Touch Provisioning (ZTP)

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Storage for every Kubernetes workload



What are Container Storage Modules?

Simple, consistent, integrated and automated experience for storage and cloud native stateful applications

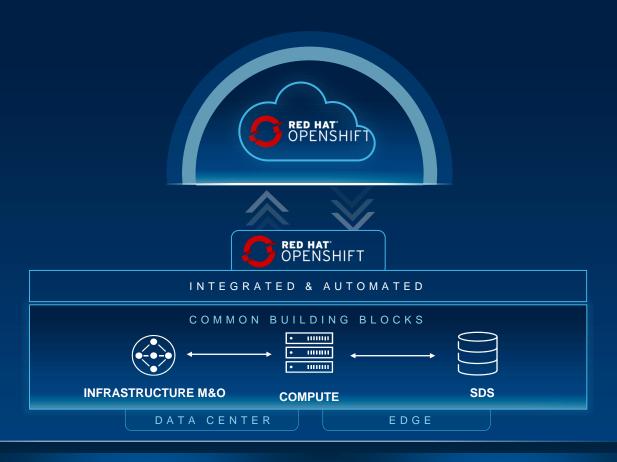
Builds on top of the Container Storage Interface (CSI) foundation to deliver unique, powerful storage and enterprise capabilities

Includes a variety of modules, each with specific functionalities that allow you to get the most out of your storage array



^{*} Currently in tech preview, available on request

APEX Cloud Platform for Red Hat OpenShift





Designed collaboratively to optimize and extend the leading Kubernetes distribution



Extending our 24-year history as a Red Hat Premier Global Partner



Ideal for workloads performanceintensive workloads

Bridge the Cloud Divide

Accelerate time to value with a purpose-built platform

Unleash Application Value

Seamlessly extend applications and data across the IT landscape

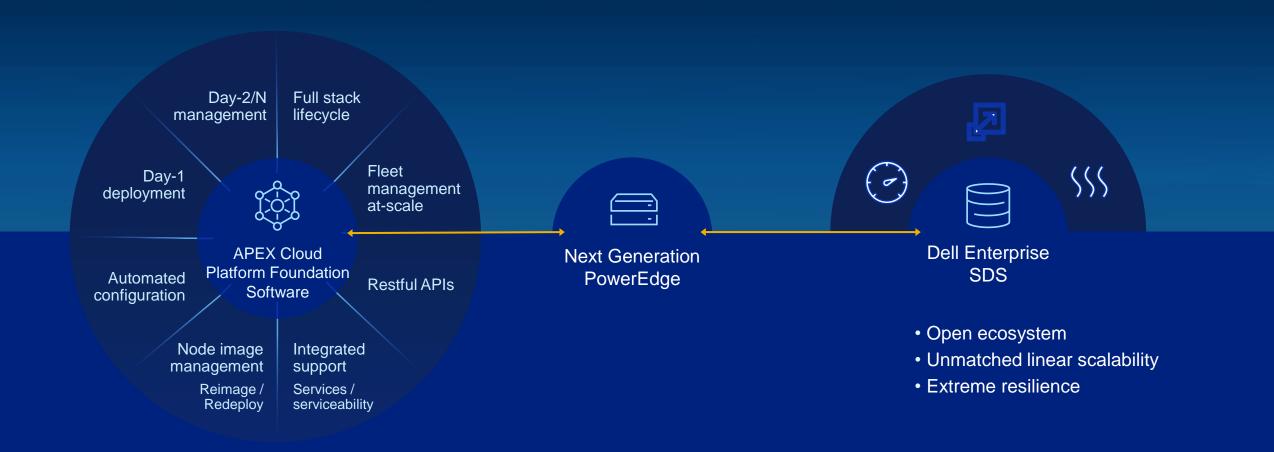
Harden Security and Governance

Enhance control with multi-layer security and compliance capabilities



What is an APEX Cloud Platform

Leveraging the best of Dell Innovation to deliver new platforms for Multicloud



APEX Cloud Platform Advantage

Expanding multi-cloud infrastructure to K8s on bare metal with OpenShift

Typical DIY OpenShift Deployment



Mostly deploy on hypervisor with virtualization



Built with loosely coupled components that difficult to deploy and manage



Another Isolated storage to manage and operate



Resulting in longer TTV and higher

APEX Cloud Platform for Red Hat OpenShift

OpenShift on Bare metal

Eliminate virtualization layer to reduce both acquisition and operation cost

Fully automated with continuously validated state

Bring cloud like agility and efficiency for cloud native workloads through software driven automation

Common storage across OpenShift ecosystem

Eliminate storage silos across OpenShift ecosystem through optimized and consistent storage improving operational efficiency and enabling enhanced hybrid experience.

New standard in OpenShift hybrid computing

Cloud integrated management & economics set a new standard for edge-core-cloud infrastructure, forming the new de facto building block for OpenShift hybrid cloud ecosystem.

APEX Cloud Platform compute nodes

Purpose-built | Intelligent | Cyber Resilient | Sustainable





Purpose-built

Scale AI, edge & performance anywhere.



Intelligent

Accomplish more with automation & improve operational efficiencies.



Cyber resilient

Accelerate zero trust adoption.



Sustainable

Maximize power efficient performance.

Next Generation Servers



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The Dell Red Hat EMEA Team



Have a subscription or Red Hat question? Contact the team at:

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