

Dell APEX Cloud Platform for Red Hat OpenShift

Extend and optimize OpenShift on-premises

Organizations across industries are finding their competitive advantage lies in the ability of their applications to drive revenue, capture efficiencies, and improve the user experience. Increasingly, IT teams are turning to containerized multicloud deployments to realize the full potential of their apps and data. Multicloud deployments were recognized as the most popular mode of running containerized applications in organizations with more than 1,000 employees. Kubernetes has emerged as the leading container platform and of the 42% of respondents using a multicloud deployment model, half use Red Hat OpenShift to manage their containers and Kubernetes.

However, if not done right, more clouds can lead to more complexity. Container deployments that span multiple clouds Modern multicloud container deployments require a consistent operational experience, no matter where – and everywhere – workloads are deployed. Moreover, automation and security capabilities should give IT teams peace of mind and time to focus on delivering application value instead of managing and patching infrastructure.

Dell APEX Cloud Platform

Extend and enhance the OpenShift experience with:

CHOICE

Leverage any cloud, anywhere to deploy applications at scale.

CONSISTENCY

Manage infrastructure and containers together via the OpenShift Console for an integrated and consistent operational experience.

COMMONALITY

Common storage provides advanced data services across clouds using familiar OpenShift tools.

COMPATIBILITY

Move apps and data across clouds on common software-defined storage.

CONTROL

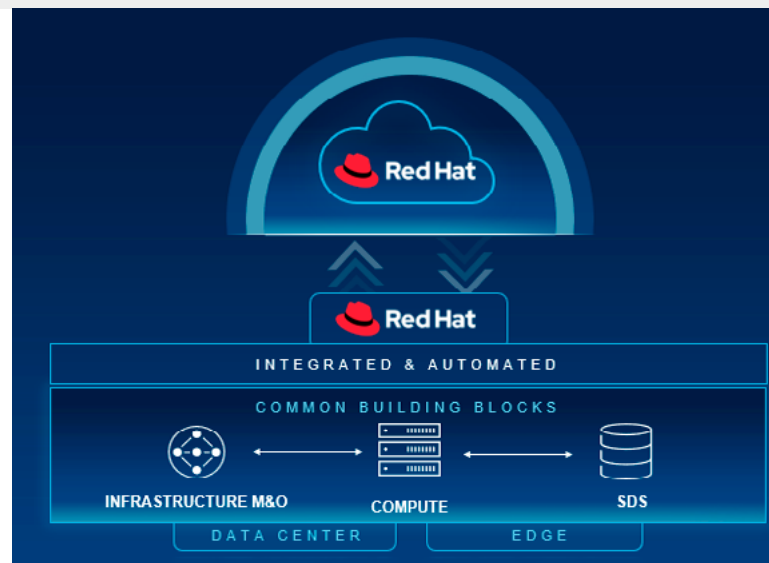
Multi-layered security and compliance capabilities protect apps and data.

Dell APEX Cloud Platform for Red Hat OpenShift

Dell APEX Cloud Platform for Red Hat OpenShift is designed collaboratively with Red Hat to optimize and extend OpenShift deployments on-premises with an integrated operational experience.

This turnkey platform provides:

- Deep integrations and intelligent automation between layers of Dell and OpenShift technology stacks, accelerating time-to-value and eliminating the complexity of management using different tools in disparate portals.
- Simplified, integrated management via the OpenShift Web Console
- A bare metal architecture delivers the performance, predictability, and linear scalability needed to meet even the most stringent SLAs



SIMPLICITY



Bridge the cloud divide

The integration of the Dell APEX Cloud Platform Foundation Software with the OpenShift stack provides intelligent automation and orchestration, enabling IT teams to be more efficient with a cloud-like operating model on-premises. IT teams no longer need to manage different layers of the stack through multiple consoles for containers, compute, and storage. With the new Dell APEX Cloud Platform, infrastructure management is integrated into the OpenShift management user interface.

AGILITY



Unleash application value

Long infrastructure lead-times, time-consuming ticket-based workflows, repeated manual tasks, complex system interdependencies and architectural incompatibility between runtime environments all impinge on the ability of organizations to accelerate the delivery of value through software and data. The cloud platform accelerates and boosts DevOps productivity and agility with consistent OpenShift experience wherever data and applications reside - across multiple public clouds and on-prem data center locations. For the most demanding workloads, the platform offers scalable, high-performance, highly resilient Dell software-defined storage to optimize workload execution and deliver stringent SLA outcomes. Finally, configurations with several core densities, memory and storage configs as well as GPU resources, the cloud platform has options to meet the requirements of a broad set of workloads. And while the Dell APEX Cloud Platform is well suited for a range of workloads, it's also ideal for AI, ML and analytics workloads because it combines the rapid delivery of data via containers and the necessary hardware components, GPUs and the linearly scalable storage, to run these advanced workloads.

CONTROL



Harden security and governance

A survey by Red Hat among DevOps professionals reveals that a majority of respondents believe that security is the biggest concern over the use of Kubernetes and containers. In fact, two thirds of respondents had to delay or slow down an application rollout because of security concerns over the last 12 months.* Reducing business risk and recovering with confidence from cyber threats like ransomware is a mandate for every organization. Automated full system upgrades of the hardware and the OpenShift stack help ensure the infrastructure remains in a continuously validated state, resulting in an optimized operational experience with reduced risk. With a full stack intrinsic approach to security, the platform provides sophisticated controls and multi-layer protection against threats.

*CTO's Guide to Containers and Kubernetes – Answering the Top 10 FAQs, Gartner, 31 May 2022.

Accelerate your DevOps and cloud-native application adoption

Containerization and DevOps have become the cornerstone of modern IT and application strategy to support the business needs for complex and mission-critical IT services at an unprecedented pace. Dell APEX Cloud Platform for Red Hat OpenShift is designed to help organizations accelerate their adoption of DevOps methodologies and cloud-native application architectures at scale with the control, consistency of on-premises infrastructure. Give your developers the freedom to innovate and scale applications with minimum friction while

reducing the operations cost of applications. With the powerful combination of Dell's services expertise and Dell APEX Cloud Platform for Red Hat OpenShift, we can help identify, modernize and migrate the optimum application mix to the platform and simultaneously integrate Kubernetes into any DevOps culture. With Dell as your trusted partner, you can focus more on delivering services to your business and your business can focus on delivering innovation and growth.




Learn more about Dell APEX Cloud Platform for Red Hat OpenShift ›




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