

INTELLIGENT INFRASTRUCTURE FOR SUCCESS

Accelerate your container strategy for multicloud excellence

Learn how to accelerate time to value and establish a secure multicloud environment with an effective delivery platform providing choice, consistency and control.

“

There are no limitations unless
you create them yourselves.
Anything is possible. You are only
limited by your own imagination.

Dolores Cannon

INTRODUCTION

A world of infinite possibilities

To propel your business forward, your teams need to effortlessly deliver innovative, cloud-native applications. You need the agility to rapidly adapt to changing market demands, the efficiency to optimise costs and the freedom to focus on strategic priorities rather than tactical IT management.

By bridging the divide between on-premises infrastructure and public cloud, Dell APEX Cloud Platform for Red Hat OpenShift empowers you to build, modernise and deploy applications at scale—unlocking new levels of performance, flexibility and control.

In today's ever-changing landscape, the need to innovate, disrupt and refine the boundaries of what's possible is essential. This document is designed to help you discover and realise the growth and transformation possibilities available to your organisation. With Dell APEX Cloud Platform for Red Hat OpenShift, you can choose the best home for your workloads, reduce complexity and scale rapidly on your terms.

The horizons of possibility are infinite, and the journey to reshape what's possible begins here.



Table of contents



The horizons of possibility Explore how you can unlock the full potential of your data with a fresh approach to app development and deployment.	05
A trusted partnership Optimise your modern infrastructure strategy with Dell Technologies and Red Hat.	07
Build your multicloud future Evaluate the key consideration factors that will help you deliver lasting impact across your business.	10
Enabling success Discover how to increase time to value with greater agility and precision across a broad range of outcomes.	15
Next Steps Determine the best path forward for your organisation and access essential resources to extend your knowledge.	20

THE HORIZONS OF POSSIBILITY

Accelerate innovation with containerised deployments

Organisations across industries are realising that their competitive edge lies in their ability to deliver applications that drive revenue, capture cost efficiencies and enhance the user experience.

As a result, IT teams are increasingly turning to containerised multicloud deployments to unlock the full potential of their applications and data.

Gartner predicts that by 2028, a staggering 95% of global organisations will be running containerised applications in production environments¹. This trend is fuelled by the numerous benefits that containers offer, including improved scalability, portability and resource utilisation.

However, as organisations embrace multicloud strategies, they face a new set of challenges. Container deployments that span multiple clouds demand a consistent operational experience, regardless of where – and everywhere – workloads are deployed. Achieving seamless multicloud orchestration and management is crucial for organisations to fully capitalise on the power of containerised applications.

The state of cloud-native adoption

95% of global organisations will be running containerised applications in production by 2028.¹

42% of multicloud users rely on Red Hat OpenShift to manage containerised applications.²

85% of organisations plan to increase investments in IT modernisation to support AI.³

THE HORIZONS OF POSSIBILITY

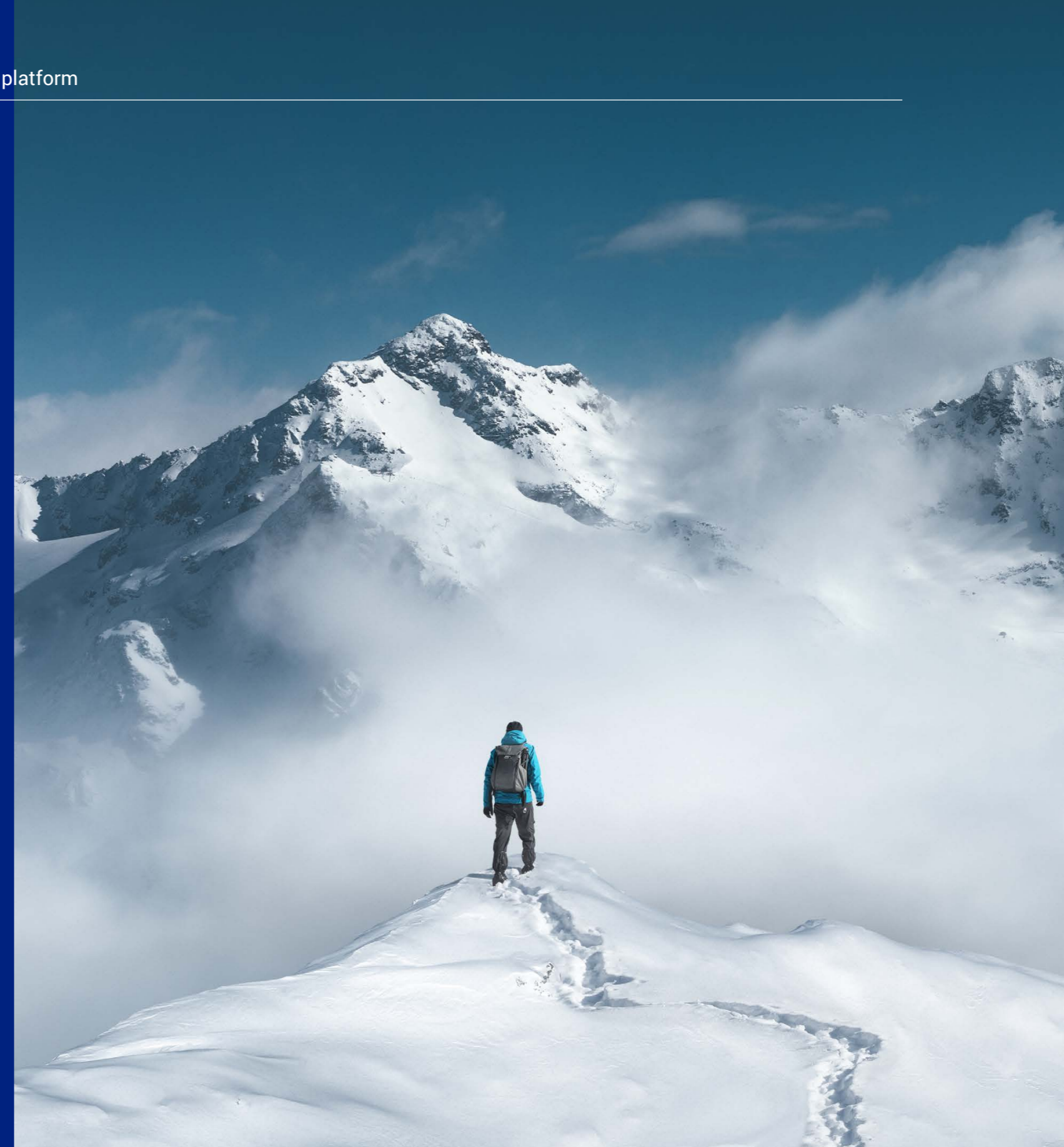
Propel data-driven profitability and agility with containerised multicloud

To address business challenges, organisations need solutions that provide consistency across multicloud environments and seamlessly integrate on-premises and cloud infrastructure under a unified view for security and governance.

Management complexity is a daily headache, and so is maintaining security and regulatory compliance, not to mention cost control.

Organisations can differentiate by striving for solutions that deliver a consistent experience for developers, IT teams and app users. Containerisation is a natural way to achieve this goal and, in the enterprise, the preferred way to run these applications is in a multicloud environment. This allows businesses to strategically place workloads according to their cost, performance, scale and security needs.

Enterprises need bare metal components that are easy to manage alongside their cloud environments, and a single view of the entire infrastructure for security and governance purposes.



A TRUSTED PARTNERSHIP

Why optimise your modern infrastructure strategy with Dell Technologies and Red Hat

The partnership between Dell Technologies and Red Hat offers organisations a truly comprehensive solution for navigating the multicloud landscape.

Together, we empower businesses to lay robust foundations, build resilience and protection in private and hybrid cloud environments, and scale without complexity – all essential elements for achieving seamless automation and success in a controlled manner.

With leading-edge automation solutions from this strategic alliance, organisations gain unprecedented control and flexibility over how they build, deploy and manage containerised applications and their end-to-end automation portfolio, spanning from hybrid cloud to the edge. This holistic approach translates into increased performance, productivity and a competitive edge in the dynamic digital marketplace.



Co-engineered solutions

Embrace world-class, enterprise-grade open source solutions developed and co-engineered by Dell Technologies and Red Hat, ensuring a seamless integration of cutting-edge technologies and best practices.



Validated infrastructure

Accelerate your IT transformation with purpose-built, open source solutions rigorously tested and validated on Dell Technologies infrastructure, providing a solid foundation for your multicloud journey.



World-class support

Experience the peace of mind that comes with the combined expertise of Dell Technologies and Red Hat. Together, they provide trusted support and guidance, ensuring you have the assistance you need, when and where you need it, throughout your multicloud endeavors.

A TRUSTED PARTNERSHIP

Simplify app deployments and operations

Introducing a trusted solution that empowers organisations to deploy, run and control their on-premises OpenShift deployments with unprecedented ease and efficiency.

Jointly engineered with Red Hat, and powered by 4th Generation Intel processors, Dell APEX Cloud Platform for Red Hat OpenShift transforms how you can deploy, manage and run containers, alongside virtual machines, on-premises.

Designed to work seamlessly with enterprise multicloud environments, the integration between data and application planes enables organisations to manage everything as a unified application delivery platform, simplifying oversight of the entire stack and enabling fine-tuned deployments tailored to the demands of their applications.

Dell Technologies

A P E X

The solution that simplifies IT management, optimises costs and accelerates your digital transformation.

- Reduce the time and resources needed for procurement, deployment and maintenance of on-premises infrastructure.
- Quickly deploy and scale your IT services to seize new opportunities and stay ahead of the competition.



A consistent, secure and scalable foundation for building and running your cloud-native applications.

- Enjoy a unified Kubernetes platform, enabling you to deploy cloud-native apps without vendor lock-in and supporting your organisation's hybrid strategy.
- OpenShift provides a highly secure and compliant platform to confidently run your production workloads.

Dell Technologies and Red Hat have been innovating together for 25 years.

Dell APEX Cloud Platform for Red Hat OpenShift was born to meet customers' need for a simplified, streamlined cloud-native experience, which leverages the best of our technologies in a unified application platform.

A TRUSTED PARTNERSHIP

Choice, consistency and control – the hybrid trifecta

Dell APEX Cloud Platform for Red Hat OpenShift provides the flexibility that modern enterprises need without the complexity of managing disparate deployment environments.

Modern enterprises demand agility, consistency and control over their IT infrastructure. The multicloud landscape presents both opportunities and challenges, requiring a trusted partnership to unlock its full potential. The collaboration between Dell Technologies and Red Hat offers a powerful solution.

Opposite are three ways we can help you deliver value.

Choice

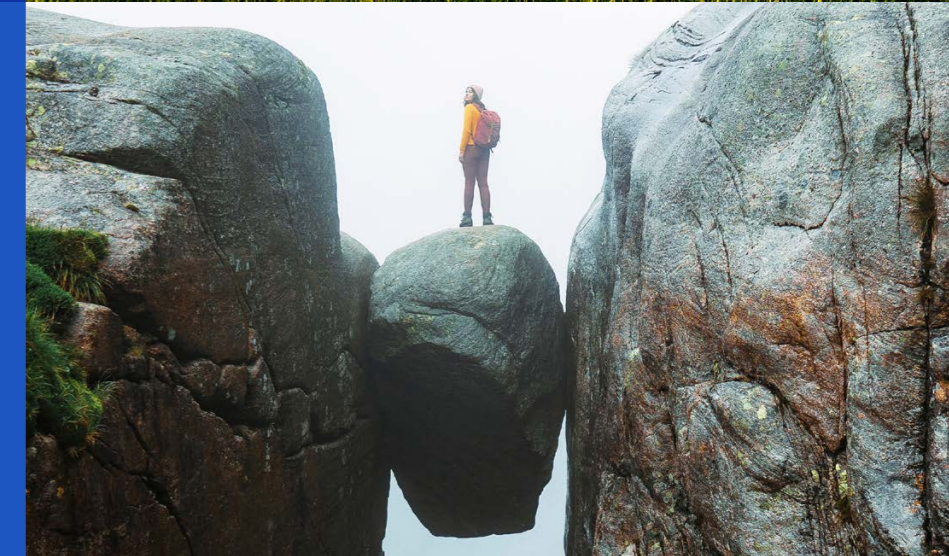
Your workloads. Your rules. Agile enterprises need agile deployment strategies for their business-critical applications. Build, deploy and run apps with the flexibility to move workloads seamlessly as circumstances change. You can run workloads on-premises, in colocation facilities, or in the public cloud, and then port them to wherever makes sense.

Consistency

Consistently meeting stringent workloads and high-performance expectations while delivering reliable operational and developer experiences can be complex. Give your operational and development teams a familiar, seamless experience across locations, so they can quickly build apps and run them wherever they need to.

Control

Oversight, management and governance are a major concern for distributed hosting models. Strike the right balance between agility and authority with security built into every layer. Empower your teams to focus their energy into building the best applications that move your business forward.



BUILD YOUR MULTICLOUD FUTURE

Delivering lasting impact across your business

As businesses strive to unlock the full potential of their applications and data, addressing key considerations becomes paramount.

By carefully evaluating and addressing these critical factors, organisations can pave the way for lasting impact and sustainable success across their operations.

On the following pages, we will explore each of these critical factors in depth. By addressing these key considerations, organisations can unlock the full potential of multicloud environments, leveraging containerised applications and automation to drive innovation, agility and competitive advantage.



Simplify deployment and operations

As containerisation becomes the natural choice for achieving consistency, organisations need an approach that allows for strategic workload placement based on cost, performance, scalability and security requirements.



Accelerate app delivery

With a multicloud strategy in place, development teams can rapidly build, deliver and iterate new applications and services through frictionless provisioning and dynamic scaling across any environment.



Optimise workload placement

Intelligent workload placement is crucial for maximising efficiency and returns on investments. By ensuring that applications reside in the ideal infrastructure, organisations can optimise resource utilisation, minimise costs and deliver superior performance to their end-users.



Bridge the cloud divide

By implementing intelligent automation and orchestration capabilities, IT teams can bridge the gap between on-premises and cloud environments, enabling a cloud-like operating model on-premises. This seamless integration promotes efficiency, enhances governance and provides a single unified view.

BUILD YOUR MULTICLOUD FUTURE – SIMPLIFIED DEPLOYMENT AND OPERATIONS

Streamline infrastructure, ignite innovation

Dell APEX Cloud Platform for Red Hat OpenShift empowers your teams to focus on ideation, accelerating time to value through intelligent automation and unified lifecycle management.

Enterprises may be familiar with a slow pace of innovation. Infrastructure takes a long time to provision, workflows are complex and cumbersome, and automating them is too hard, so teams resort to manual workarounds. These barriers to innovation make it difficult to deliver quick value to the business through new applications and data insights.

But when your teams have the space to focus on their ideas, that's when your business can really grow.

We designed Dell APEX Cloud Platform for Red Hat OpenShift with this in mind, creating experiences that let you deploy infrastructure faster and manage it with a lighter touch. Automated provisioning and intelligent lifecycle management give you the freedom to explore new projects to differentiate your business. Plus, your people spend less time on routine tasks and more time on creative projects, making your business a more rewarding place to work.



BUILD YOUR MULTICLOUD FUTURE – ACCELERATED APP DELIVERY

Boosting multicloud app delivery across clouds

Dell APEX Cloud Platform for Red Hat OpenShift simplifies your multicloud containerisation strategy, empowering teams to rapidly build, test, deploy and run innovative applications across diverse hosting environments.

Enterprises can only adopt cloud-native IT practices when they have the right human, process and technology factors in place. There's no magic solution, but Dell APEX Cloud Platform for Red Hat OpenShift represents a compelling choice for those who are serious about large-scale digital transformation.

It drastically simplifies an organisation's multicloud containerisation strategy and helps to embed DevOps approaches. Teams can rapidly build, test, deploy and run innovative applications across any combination of hosting environments. The platform supports both virtual machines and containers, meaning your legacy apps will work just as well as your new ones. Plus, intuitive management tools lower the complexity of maintaining infrastructure, giving engineers more time to focus on value-creating services.

Your entire app delivery process becomes faster and more developer friendly. You can explore new projects, attract and retain talent, and deliver the same tooling and capabilities on-premises as you can in the cloud. This helps you stay in control of processes without compromising the developer experience.



BUILD YOUR MULTICLOUD FUTURE – OPTIMISE WORKLOAD PLACEMENT

Transforming operations for maximised returns

Dell APEX Cloud Platform for Red Hat OpenShift enables you to optimise workload placement, fine-tune operating environments and leverage intelligent automation to reduce management costs and mitigate risks.

A multicloud strategy is all about efficiency: exactly the right environment for exactly the right workload. But without the right solutions underpinning that strategy, managing it can negate these efficiency gains.

With Dell APEX Cloud Platform for Red Hat OpenShift, you can pursue an efficient multicloud strategy from top to bottom. It begins with your decisions about where to operate and extends right down to the last click.

You can fine-tune any operating environment for its workloads, ensuring that you provision the right level of capacity and performance under the appropriate cost model. Management and governance tools let you maintain oversight of operations to port workloads or scale up seamlessly when required. Management costs are reduced thanks to intelligent automations and integrations, so your teams spend less time on deployments, routine maintenance and upgrades. Plus, automation reduces the risk of human error, which in turn lowers your troubleshooting costs.



BUILD YOUR MULTICLOUD FUTURE – BRIDGING THE CLOUD DIVIDE

Bringing together on-premises performance and cloud agility

Dell APEX Cloud Platform for Red Hat OpenShift bridges this divide, enabling seamless deployment and management of OpenShift on bare metal through intelligent automation.

In a multicloud world, organisations need the performance, reliability and security of on-premises infrastructure without sacrificing cloud agility and flexibility. However, manually deploying and managing Kubernetes on bare metal can be complex and risky.

Dell APEX Cloud Platform for Red Hat OpenShift solves this challenge through wizard-based automation, enabling organisations to deploy OpenShift on bare metal faster compared to manual approaches. It automates lifecycle management tasks, reducing update time for both Dell infrastructure and OpenShift orchestration while also minimising human error.

By bridging the on-premises and cloud divide, we deliver the best of both worlds – on-premises performance and security combined with cloud agility and flexibility – empowering organisations to drive innovation and growth in the multicloud era.



ENABLING SUCCESS

A trusted partnership to deliver value and accelerate change

With a partnership of more than 25 years creating jointly engineered and validated open source solutions, Dell Technologies and Red Hat can help you accelerate your infrastructure and deliver your business goals faster.

Individually, as leaders in our fields, we build the infrastructure solutions that are powering digital transformation worldwide. Together, we help companies transform more effectively through end-to-end platforms that are simple to use and produce value from day one.

Dell Technologies and Red Hat create purpose built, open source technology that is tested and validated to ensure trust. Because we share the same customer-centric values, you can be certain you'll receive world-class support no matter the size of your operation or its location.



ENABLING SUCCESS

Accelerating DevOps through automation

We're continuously looking to find ways to enrich and enhance the value we provide to our customers, so you can achieve your ambitions faster.

With increased adoption accelerating demand for businesses to be able to roll out and manage containerised deployments across multiple departments, organisations need strong foundations to build on. With rising skills shortages placing greater pressure on businesses looking to advance their capabilities, we're widening the solutions we offer to address these challenges and remove the associated IT management barrier.

"The Dell Technologies and Red Hat collaboration is key to our efforts to build a multicloud ecosystem that offers customers greater flexibility and choice as they develop new applications and modernise existing ones in multicloud environments."

Jeff Boudreau,
President, Infrastructure Solutions Group, Dell Technologies

"Customers want to be able to run their applications wherever they need to ... By extending our existing collaboration with Dell Technologies, we're giving customers even more choice and flexibility in their hybrid cloud operations, pairing the industry's leading enterprise Kubernetes platform in Red Hat OpenShift with Dell Technologies powerful infrastructure technologies."

Ashesh Badani,
Senior Vice President, Head of Products, Red Hat

ENABLING SUCCESS

Scale to new heights with the security of a trusted partnership

With Dell Technologies and Red Hat, you gain unbounded, software-defined infrastructures for modern enterprises. These solutions can support you throughout your digital transformation journey and beyond.

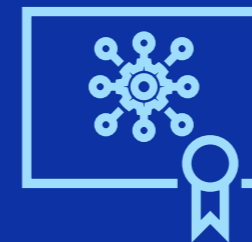
Our open approach to automation means the technology is designed around the way your personnel collaborate within and across teams. What's more, Dell Technologies and Red Hat work closely together to make sure our solutions are highly resilient, offering reliable protection against increasing threats to multicloud environments.



Gartner Peer Insights Customers' Choice 2022.



Leader as selected by The Forrester Wave™: Infrastructure Automation Platform.



Red Hat OpenShift won the award for Best Kubernetes Platform/Service.

ENABLING SUCCESS

Fulfilling business ambition with automation

Alongside enabling rapid development and deployment of revenue-generating apps, we're also committed to helping enterprise automation.

It is increasingly becoming a linchpin in IT strategies rooted in removing barriers and complexity in favour of operationalised optimisation. With the right tools at your disposal, your ambitions can be fulfilled faster, helping you deliver excellence on your terms. Dell Technologies and Red Hat's end-to-end automation solutions can help fulfil your ambition to build, deploy and manage on-premises containerised infrastructure in multicloud environments at scale.

With Red Hat® Ansible® Automation Platform on Dell PowerFlex you can build, scale and manage automation from the multicloud to the edge, at the momentum your business demands.

If you containerise everything your critical teams need to spearhead innovation inside your business with Red Hat OpenShift we can also provide a clear, standardised way to define and operate with less latency through the features and components of the Red Hat Ansible Automation Platform — all of which help your organisation automate with confidence and reduce automation sprawl and variance.



ENABLING SUCCESS

A refined approach to AI

The partnership between Dell Technologies and Red Hat offers a refined approach to AI that empowers organisations to harness the full power of this transformative technology.

Enterprises across industries are recognising the transformative potential of artificial intelligence (AI) to drive competitive advantage, enhance customer experiences and unlock new business opportunities. However, operationalising AI at scale presents significant challenges, from managing complex data landscapes to maintaining the appropriate infrastructure and governance.

By combining the enterprise-grade capabilities of Red Hat OpenShift with the flexibility and performance of Dell APEX Cloud Platform, we deliver a comprehensive multicloud solution purpose-built for AI-enabled applications. This integrated platform provides data scientists with the agility, scalability and portability they need to design, build and deploy innovative AI models.



82% of IT decision-makers prefer on-premises or hybrid models for generative AI

Organisations are seeking the performance, reliability and security of on-premises infrastructure combined with the flexibility and scalability of the cloud for their AI initiatives. Our multicloud solution helps bridge this divide.



Leverage Dell Technologies Data Preparation Services to accelerate the power of AI for your data

Our expert data scientists work closely with you to cleanse, transform, and prepare your data, ensuring your AI and machine learning models have the high-quality inputs they need to deliver maximum impact.



Benefit from world-class Dell Technologies services to operationalise AI-driven use cases

From strategy development to deployment and ongoing management, our comprehensive services portfolio empowers you to realise the full potential of AI across your business, addressing people, process and technology requirements.

NEXT STEPS

Start your journey

Build, modernise and deploy applications at scale. To start your journey, follow these three simple steps and discover the possibilities you can navigate with the industry-leading hybrid cloud application platform powered by Kubernetes.



Contact your Dell Technologies representative.

Speak to a sales expert to learn more about the benefits of Red Hat OpenShift and Dell APEX solutions.

See what you can accomplish with Red Hat OpenShift.

Modernise legacy applications and build new cloud-native apps with ease.

Find out how Dell APEX Cloud Platform drives more efficient and effective IT operations.

Leverage as-a-Service models to scale resources up or down as needed.

NEXT STEPS

Learn more

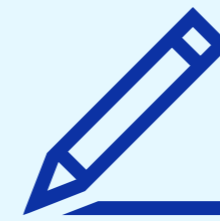
Explore how Dell Technologies and Red Hat can help you optimise your infrastructure modernisation strategy with the only application delivery platform purpose-built for OpenShift.



Get more information on the [Dell APEX portfolio](#), [Red Hat Open Shift](#) and how both organisations have jointly engineered an application delivery platform for [containerised IT transformation](#).



Discover how to [bring data to life](#) with container-based deployment and applications across on-premises and cloud environments.



Register now for one of our upcoming events, where we will be discussing a clear pathway forward.



Contact a [Dell APEX Advisor](#) to find out how your business could benefit.

Infinite horizons. A wealth of possibilities.

About Dell Technologies

Dell Technologies (NYSE:DELL) helps organisations and individuals build their digital future and transform how they work, live and play. The company provides customers with the industry's broadest and most innovative technology and services portfolio for the data era.

About Red Hat

Red Hat is the world's leading provider of enterprise open-source solutions, using a community-powered approach to deliver high-performing Linux®, cloud, container and Kubernetes technologies. Red Hat solutions enable organisations to connect their platforms and environments.



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