

Support modern applications with Dell Technologies Cloud

Build, deploy, and manage modern applications with a consistent experience across physical, virtual, and containerized infrastructure

The next evolution of application architectures

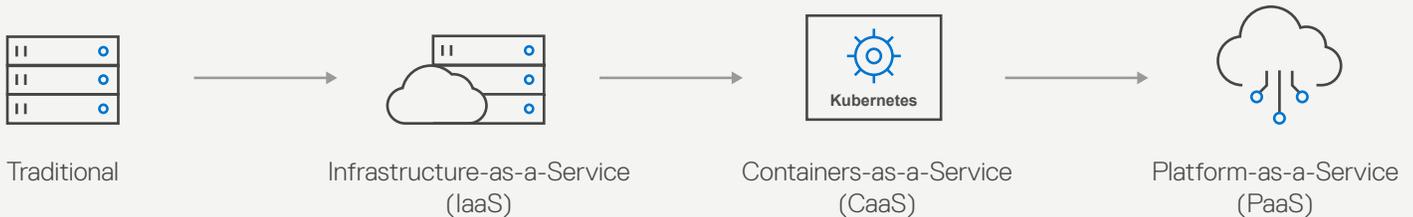
Applications are the lifeblood of the modern enterprise. Organizations need the flexibility to run their applications in the manner that best aligns with their business requirements. Virtualization fundamentally shifted the way that this flexibility was achieved, and virtualized infrastructure quickly became a standard feature of enterprise data centers. Now, we are witnessing the next evolution in application architectures as organizations embrace cloud-native architectures and containerized workloads orchestrated by Kubernetes.

The monolithic architecture typical of most enterprise applications is built under the assumption that change is the enemy and

infrastructure will rarely fail. A cloud-native approach results in an environment that is designed to be rapidly updated and is more resilient to component failure.

As IT leaders embrace this new paradigm, it's important for them to chart out a strategy that provides an orderly transition to this new model that enables the preservation of existing application investments while adopting new technologies in an incremental fashion. Modern applications will rely on a co-existence of virtualized and containerized applications. Below are a few considerations for a successful IT strategy for adoption of modern applications.

The evolution of IT architectures



Key requirements for organizations deploying or developing modern applications



Run both traditional and cloud-native applications

Embrace open-source Kubernetes container orchestration leveraging the same infrastructure and tools you already use. Your VMware administrator can now provision and manage Kubernetes clusters.



Automate, persist, protect

A true cloud operating model reduces manual tasks by automating stand-up and lifecycle management of virtualized and containerized infrastructure. The importance of modern applications requires enterprise-grade storage and data protection.



Public and private cloud need to work together

Application requirements should drive workload placement. You need to have consistent infrastructure and consistent operations across private and public cloud so that the same VM or container can be deployed in the right cloud with a common set of tools.

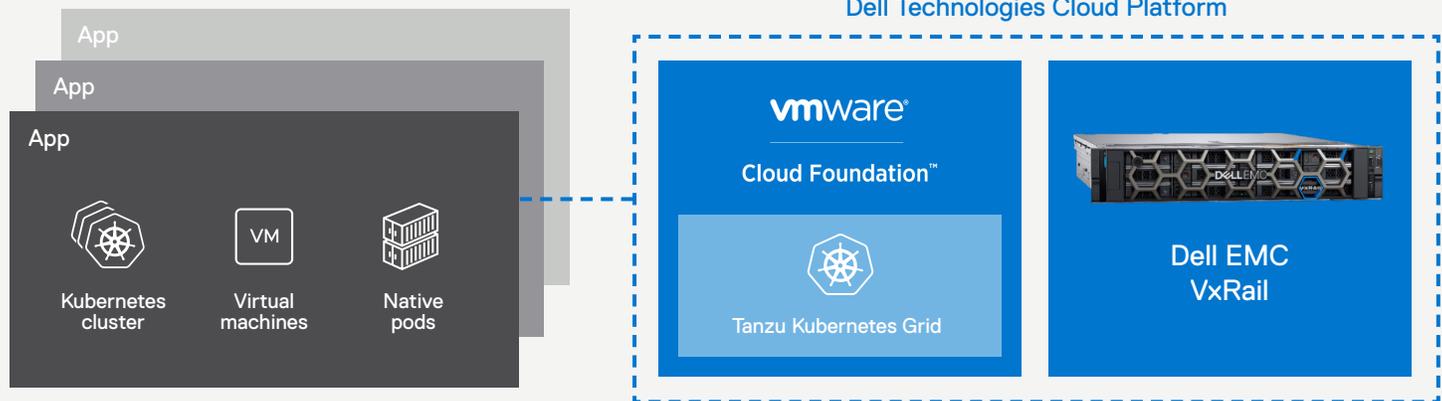
The Solution: Modern applications infrastructure with Dell Technologies Cloud

Automate the deployment and management of modern applications infrastructure with VMware Tanzu™ Kubernetes Grid.

Key benefits include:

- Rapid deployment of standard upstream Kubernetes
- Host virtualized and containerized applications within the same infrastructure
- Extend your team's existing skillset to perform Kubernetes administration
- Streamline IT operations by automating lifecycle management for private cloud infrastructure
- Persist and protect apps and data to provide business continuity and disaster recovery
- Consistent infrastructure and operations across public and private cloud

Modern applications



A consistent hybrid cloud experience for traditional and cloud-native workloads

Dell Technologies Cloud Platform is built on VxRail, Dell's industry-leading hyperconverged infrastructure solution. VMware Cloud Foundation provides integrated cloud management services to run enterprise applications in both private and public environments. You can deploy, run, and manage Kubernetes for production with productivity and efficiency using Tanzu Kubernetes Grid giving you a consistent, integrated experience for both traditional and cloud-native workloads.

¹ Customer site survey and configuration workbook must be completed before order is placed. Excludes orders over 24 nodes, VMware NSX configuration, vRealize (vRA, vRO) components, and some other features. Product availability, holidays, and other factors may impact deployment time. US only.

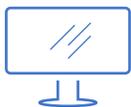
² Estimate based on the purchase of 1000 Web-tech instances (2 x W-500 instance blocks) over a 3-year term with All Flash Storage and VMware Cloud Foundation Standard Edition, with an average monthly price of \$52,000 (USD) as of September 2020. Pricing for preconfigured solutions with subscription may vary depending on the number and type of instance blocks in your configuration. For details on pricing, consult your account manager. US, United Kingdom, France, Germany only.

Cloud consumption

Align how you pay for IT with the way you use IT.

Dell Technologies Cloud Platform with subscription: Deploy your hybrid cloud in as few as 14 days¹ and get started with hybrid cloud for as low as \$47² per instance per month.

Dell On Demand (DTOD) offers consumption-based and as-a-service delivery models, providing organizations with greater choice, flexibility, and predictable outcomes.



Learn more about modern applications and Dell Technologies Cloud

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