VMware Technology Refresh
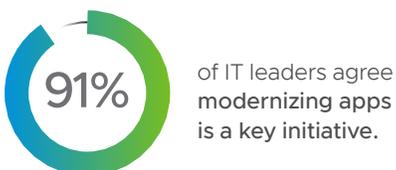
Achieve hybrid and multi-cloud flexibility
with VMware Cloud

TECHNOLOGY TRENDS ARE DRIVING HARDWARE REFRESH

80% of organizations have some **multi-cloud demand.**

81% of IT leaders are focused on **data breach security.**

28% of **workloads are containerized.**

91% of IT leaders agree **modernizing apps is a key initiative.**

Sources: VMware FY22 Executive Pulse, January 2020. VMware FY22 Benchmark Cloud and Applications, March 2021.

In this brief, we highlight how VMware can help you modernize your infrastructure to be hyperconverged and cloud-agnostic based on a software-defined architecture, as well as the importance of managing your infrastructure with self-service intelligent operations, management and governance. Our research shows that 80 percent of organizations have a distributed model for cloud apps across public, private and edge environments. When we speak to organizations, we hear about the need for three key improvements.

Higher utilization of my investments in Infrastructure that include density and capacity availability improvements.

Flexibility to accommodate the increasing needs of developers and apps teams. To include self-service and automated builds/deployments/ testing.

Capability to deploy cloud resources without creating new silos or increased risks. Leveraging my existing organization to manage new platform deployments.

By using the same VMware-based infrastructure and operations stack across private cloud, public cloud, and edge environments, you get a consistent operating model that increases business agility, reduces costs, and creates a native developer experience for all types of applications.

- **Modernizing the infrastructure** to enable rapid development, deployment, unified management, and the ability to securely scale horizontally and vertically, and evolve while using existing skills, tools, and systems

- **Delivering automation** that helps you rapidly configure, provision, deploy, test, update and decommission infrastructure and applications (cloud native, web-scale, or open API-based)

- **Extending to public cloud** to run, manage, connect and secure your applications across private and public clouds with consistent infrastructure and management
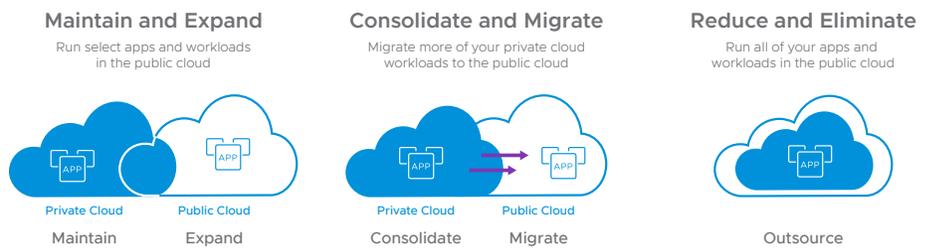
vmware® | **intel**.

VMware Cloud™ provides this consistency, along with a complete set of software-defined services for compute, storage, networking, security and cloud management to run enterprise apps—traditional or containerized—in private or public environments.

VMware Technology Refresh Use Cases

VMware Cloud creates new possibilities for IT organizations, opening the door to cost-effective scalability, flexibility and modernization. And with VMware, you can leverage your existing skills, tools and policies to manage applications and infrastructure across your hybrid environment.

Maintain and Expand	Consolidate and Migrate	Reduce and Eliminate
Run select apps and workloads in the public cloud	Migrate more of your private cloud workloads to the public cloud	Run all of your apps and workloads in the public cloud

Private Cloud	Public Cloud	Private Cloud	Public Cloud	
Maintain	Expand	Consolidate	Migrate	Outsource

To learn more about how to accelerate the transformation of your apps and cloud, visit *www.vmware.com/cloud-solutions*.

Simplify Technology Refresh with Proven VMware Tools and Providers

VMware Cloud offers a suite of options to deploy to most popular private and public cloud platforms; it can be installed, is available as hyperconverged infrastructure, or can pre-installed on hardware. And it is available as a service from all six hyperscale cloud providers and 4,300 VMware Cloud Provider™ Partners.

Solutions for Data Center and Edge

The trend toward simplicity and automation doesn't just drive public cloud consumption, but also brings powerful cloud native practices back on-premises.

VMware Cloud Foundation™ and VMware Tanzu™ – Delivers software-defined compute, storage, networking and security services, with operations and lifecycle management and unified support for traditional or containerized applications.

VMware Cloud Tanzu – For on-premises-based environments and for customers wanting to deploy Kubernetes alongside virtual infrastructure.
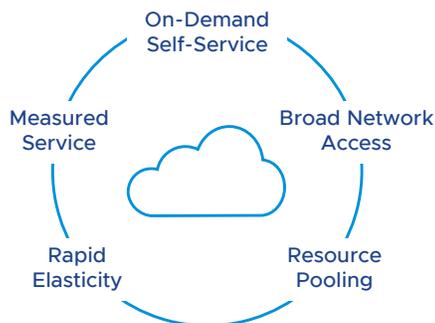
VMware Cloud on VxRail – Builds upon native VxRail and VMware Cloud Foundation capabilities, with unique features jointly engineered by Dell EMC and VMware.

VMware Cloud on Dell EMC – Delivers VMware Cloud Foundation on Dell EMC hardware, delivered and maintained on-premises at your data center and edge locations as a fully managed service.

Hyperconverged Infrastructure powered by VMware vSAN™ – VMware's market-leading HCI solution makes it easy to extend your virtualization investments and step towards the full-stack VMware Cloud Foundation.

ONE PLATFORM FOR THE PRIVATE AND PUBLIC CLOUD

You can choose the right place to run your workloads based on business and technical requirements. With compatibility across your data center to public cloud, you'll have a hybrid cloud environment of capabilities with assurance of full interoperability and workload portability.

On-Demand Self-Service

Broad Network Access

Measured Service

Resource Pooling

Rapid Elasticity

Solutions for Multiple Public Clouds

VMware has partnered with industry-leading cloud providers that offer services based on VMware Cloud Foundation so you can manage your entire application portfolio across hybrid and native public clouds with consistent infrastructure and operations.

VMware vRealize® Cloud Management – A hybrid cloud management solution that empowers you to consistently deploy and operate your apps, infrastructure and platform services, across clouds. Teams can quickly access self-provisioned services, improve visibility, and automate and unify secure operations.

VMware Tanzu on Native Cloud/Private – Centrally deploy and manage for cloud native environments and for customers wanting to deploy Kubernetes alongside virtual infrastructure or cloud-based Kubernetes.

VMware Cloud on AWS – Jointly engineered to integrate public cloud and on-premises computing so new, modern apps run alongside existing apps, while taking advantage of a wide variety of AWS services.

Azure VMware Solutions – A fully native VMware-based cloud infrastructure solution on Microsoft Azure, delivered by Microsoft through select VMware Cloud Verified partners including Virtustream (a Dell Technologies company) and CloudSimple.

Google Cloud VMware Solution – Allows companies to run their VMware workloads in Google Cloud Platform (GCP) managed by CloudSimple. This provides choice and flexibility to run on-premises, in a hybrid architecture, or in the cloud.

IBM VMware Solution – Combines IBM's vast resources (including security, network and Watson-enabled services) with VMware's flexible technology to seamlessly optimize, protect and mobilize your IT infrastructure.

VMware Cloud Provider Partners – Choose a VMware Cloud Provider that offers VMware Validated Services, compatible with any VMware Cloud Foundation.

Building Value Into Technology Refresh

VMware helps organizations build a refreshed approach to cloud to ensure that you always have the flexibility of a "two-way" cloud architecture. With a cloud strategy based on VMware's common platform, combined with the ability to flexibly choose from multiple cloud options, your organization will never find itself at a dead end when it comes to investing in a strategy for the future through predictable planning and flexible budgeting.