PREPARE FOR PUBLIC CLOUD BY MODERNIZING YOUR INFRASTRUCTURE

Develop a Strategy That Brings Speed, Agility, and Cost Savings

vmware®

Why Your Public Cloud Strategy Needs a Modern Infrastructure

As technology continues to disrupt business models and markets, digital transformation is critical for organizations that want to remain innovative, competitive, secure, and agile. Cloud computing is part of this transformation. From lower costs to higher flexibility and speed, it's not hard to see why more companies are building or moving applications and computing infrastructure to the public cloud than ever before.

Amid this shift, many companies are looking to use a combination of private and public clouds, with hybrid cloud capabilities that orchestrate a mix of on-premises and off-premises resources. However, most data centers aren't sufficiently modernized to enable a hybrid cloud approach for the automated delivery and management of IT services.

As you look to leverage public cloud to achieve faster time to market and more rapid innovation, modernizing your on-premises infrastructure is one of the most important things you can do.

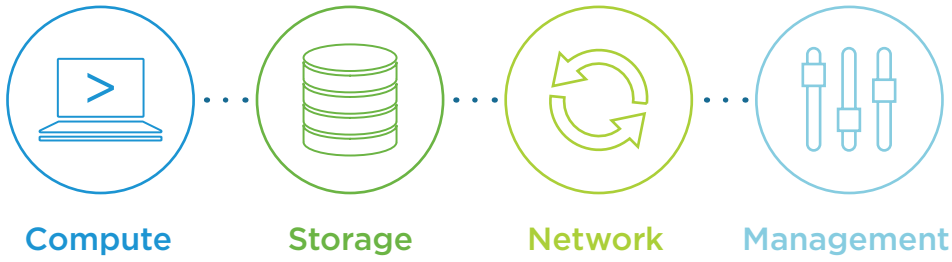
Gartner predicts a five-year growth rate of 15.9% through 2021 for the cloud market.[1]

1 Gartner Forecast Analysis: Public Cloud Services, Worldwide, 1Q17 Update

What *Is* a Modern Infrastructure, Anyway?

To succeed at the ultimate goal of running workloads in their optimal environment, whether on-premises or off-premises, you need the right foundation. That means modernizing your on-premises infrastructure to get ready for private and public cloud capabilities by evolving to a modern, software-defined data center (SDDC).

At its core, infrastructure modernization requires that the entire IT environment be virtualized: compute, storage, and networking, plus unified management for intelligent operations.



The result is a common environment that allows you to move and manage applications across private and public clouds with common enterprise management, security, and policies. You'll gain more freedom and control, and will be able to respond faster to demands from the business, giving your company a competitive edge.

Modernizing your infrastructure for extending to public cloud produces tangible benefits to the business:

- AGILITY
- FLEXIBILITY
- SCALABILITY
- REDUCED COSTS
- SECURITY
- FASTER TIME TO MARKET

Three Reasons to Modernize Your Infrastructure

Evolving to a modern infrastructure sets you up to take advantage of having the same architecture and operational experience both on-premises and in the cloud, making it easier for users to gain the agility of public clouds while IT retains control over operations and governance.

To make the case to others in your organization, keep these three key benefits of modern IT infrastructure in mind:

1. Flexible extension to public cloud. A common cloud infrastructure with unified deployment and an operational model across private and public clouds makes it easier to migrate workloads, add additional capacity, or push to the cloud for disaster recovery or backup when needed.

2. Agile application environment. A common modern infrastructure for all apps, including traditional enterprise apps and new cloud-native apps, provides the flexibility you need to meet changing customer demands and business drivers.

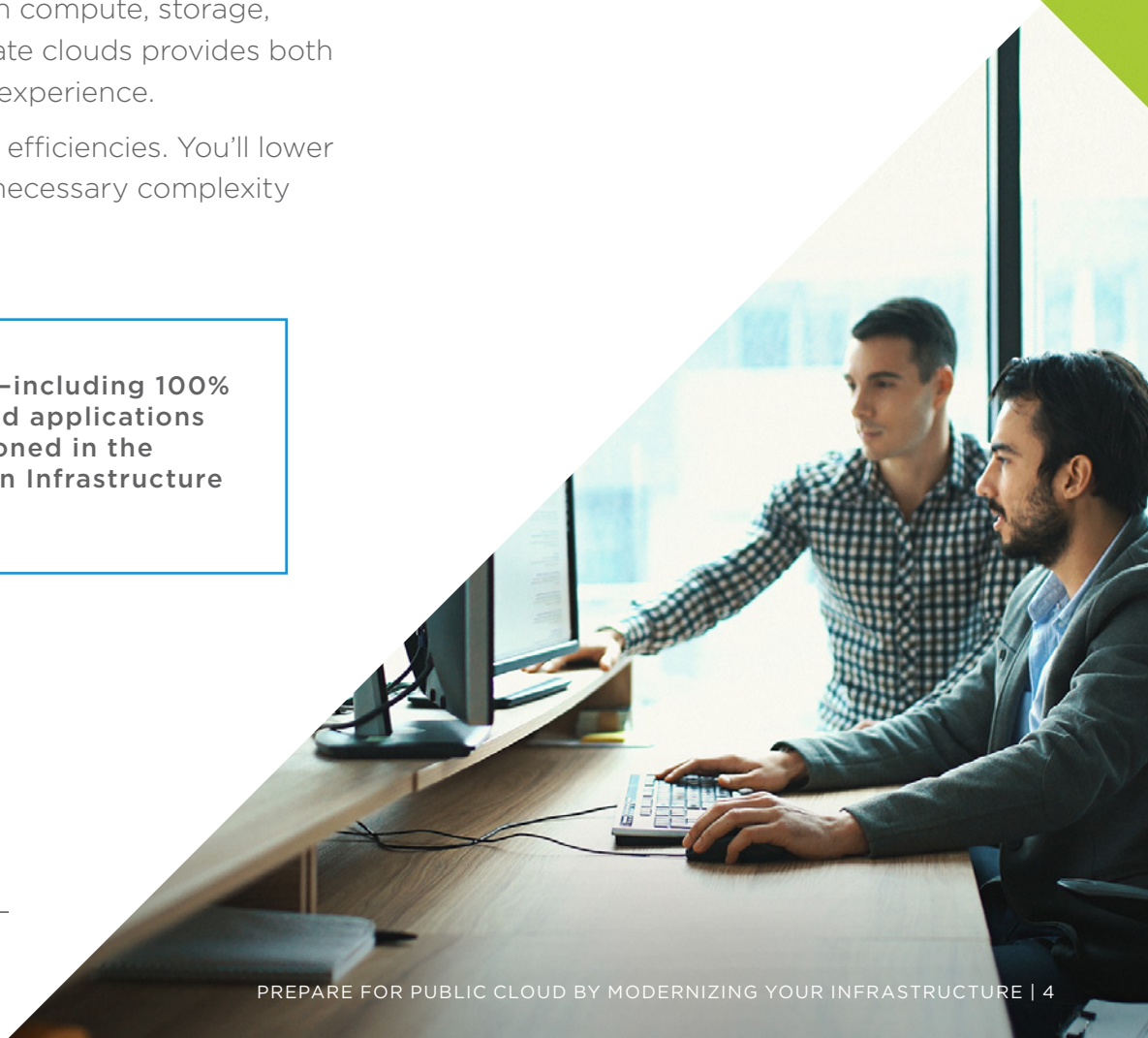
3. Maximal value. Stretching expertise and investments in your VMware ecosystem solution is simply a smart move. You can seamlessly extend existing compute virtualization skills and technologies to natively integrated storage and networking in a software-defined solution. By leveraging existing tools, skill sets, and solutions, you'll be able to achieve digital transformation without disrupting your operations or your budget.

Choosing the Right Vendor Can Make All the Difference

With solutions from VMware,® you can evolve to a modern, software-defined infrastructure of the latest versions of technologies and introduce private cloud capabilities into your environment. A common compute, storage, and networking architecture across public and private clouds provides both application mobility and a consistent management experience.

This allows you to drive new levels of utilization and efficiencies. You'll lower costs and heighten productivity without adding unnecessary complexity or additional silos.

Today, more than half a million organizations—including 100% of Fortune 100 companies—trust their data and applications to VMware solutions. VMware has been positioned in the Leaders Quadrant for x86 Server Virtualization Infrastructure for seven years in a row.[2]



2 Gartner Magic Quadrant for x86 Server Virtualization Infrastructure, 2016

Define Your Path to a Modern Infrastructure

VMware offers two options for modernizing your infrastructure. Both are based on VMware vSphere,® the most widely adopted and proven virtualization platform. From virtualization to cloud adoption, organizations rely on vSphere as the trusted foundation of their IT environment.

#1 – Evolve your infrastructure at your own pace

COMPUTE: VMware vSphere® 6.5 is the latest version of the industry-leading virtualization platform. It supports existing and next-generation applications with a simplified customer experience, comprehensive built-in security, a universal application platform, and proactive data center management. It provides an ideal foundation for any cloud environment, with a highly available, resilient, on-demand infrastructure.

STORAGE: VMware vSAN™ is the industry-leading software powering hyper-converged infrastructure. A core building block for the software-defined data center, vSAN delivers flash-optimized, secure storage. It utilizes commodity x86 server components to lower costs up to 50% versus traditional server and storage array architectures. Seamless integration with vSphere and the VMware ecosystem makes it the ideal storage platform for any application.

NETWORKING: VMware NSX® is a network virtualization and security platform that enables the creation of entire networks in software, and embeds them in the hypervisor layer, abstracted from the underlying physical hardware. The result is faster provisioning, fine-grained security, greater compliance, and application continuity.

Define Your Path to a Modern Infrastructure

#2 – Choose a fully integrated and interoperable stack

VMware Cloud Foundation™ provides a unified SDDC platform that brings together all the components—compute, storage, networking and security, and lifecycle management—into a natively integrated software stack to deliver an enterprise-ready cloud infrastructure that runs enterprise apps—traditional or containerized—in private and public cloud environments.

Optimize with Intelligent Management

With either path, you can enhance your ability to plan, manage, and scale your environment with VMware vRealize® Suite.[3] With intelligent operations management for compute, storage, and applications across physical, virtual, and cloud infrastructures, you can accelerate decision-making with unified monitoring, automated performance management, cloud planning, and capacity optimization.

3 vRealize Suite includes VMware vRealize® Operations™ integrated with VMware vRealize® Log Insight™ and VMware vRealize® Business™ for Cloud.

Start Your Journey

When you modernize your infrastructure with VMware, you're partnering with the pioneer in virtualization technology and an innovator in cloud technologies. VMware helps organizations around the world meet next-generation technology demands and stay on the cutting edge of competition.

VMware brings you a software-defined data center foundation that combines best-in-class compute, storage, and network virtualization, and unified management. Together, these solutions give you the ability to run, manage, connect, and secure apps across private and public clouds in an environment with hybrid cloud capabilities.

The digital future won't wait. Learn more about how to get started on the path to modern infrastructure today.

PREPARE FOR THE FUTURE WITH VMWARE

Download the infographic *Top 10 Reasons to Upgrade to vSphere 6.5* >

Read *Modernizing the Infrastructure For Dummies* >

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