Modern Organizations Need Modern Infrastructure

How VMware vSphere+ can redefine the future of your enterprise

Get Started

Capitalizing on cloud transformation

Workloads are growing everywhere

Six challenges in maintaining business as usual

Imagine a world ...

Introducing VMware vSphere+

10 benefits of vSphere+

Adopting vSphere+

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Disruptive forces are changing how we live and work. They create an imperative for enterprises to adapt, placing technology at the root of major economic shifts and impacting the ways that companies do business. No industry, sector or geography is excluded.

The disruption of the past few years has pushed organizations to confront their legacy technology burden. Particularly, how they capitalize on cloud transformation when a large proportion of data and applications continues to be hosted on-premises. This scenario created a problem that, until now, lacked a solution.

Whether hosted on-premises or in the public cloud, workloads are growing everywhere. And despite huge advances in cloud computing, many workloads will remain on-premises for the foreseeable future. The need to manage workloads in both places is a continuing challenge for enterprises as they figure out where and how they should be hosted. This has created an either/or scenario as businesses are forced to choose which one is the best fit in each specific case: public cloud or on-premises.

For workloads that remain on-premises, the significant benefits of the public cloud may seem out of reach. Modern organizations need modern infrastructure, both on-premises and in the cloud. Is there a way for on-premises infrastructure and workloads to realize the benefits of cloud transformation?

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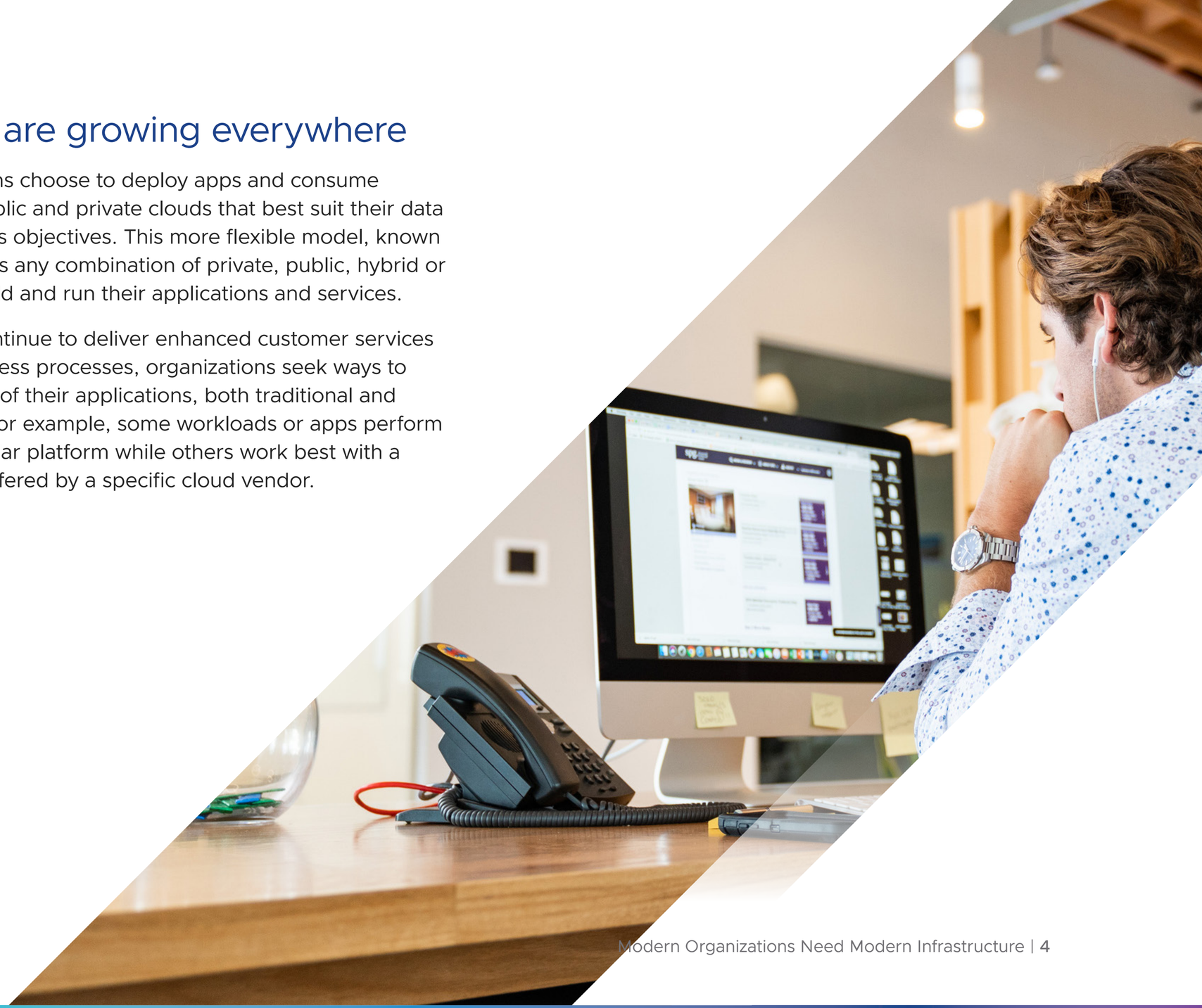
Workloads are growing everywhere

Today, organizations choose to deploy apps and consume services on the public and private clouds that best suit their data needs and business objectives. This more flexible model, known as multi-cloud, uses any combination of private, public, hybrid or edge clouds to build and run their applications and services.

As applications continue to deliver enhanced customer services and optimize business processes, organizations seek ways to support the needs of their applications, both traditional and next-generation. For example, some workloads or apps perform better on a particular platform while others work best with a service uniquely offered by a specific cloud vendor.



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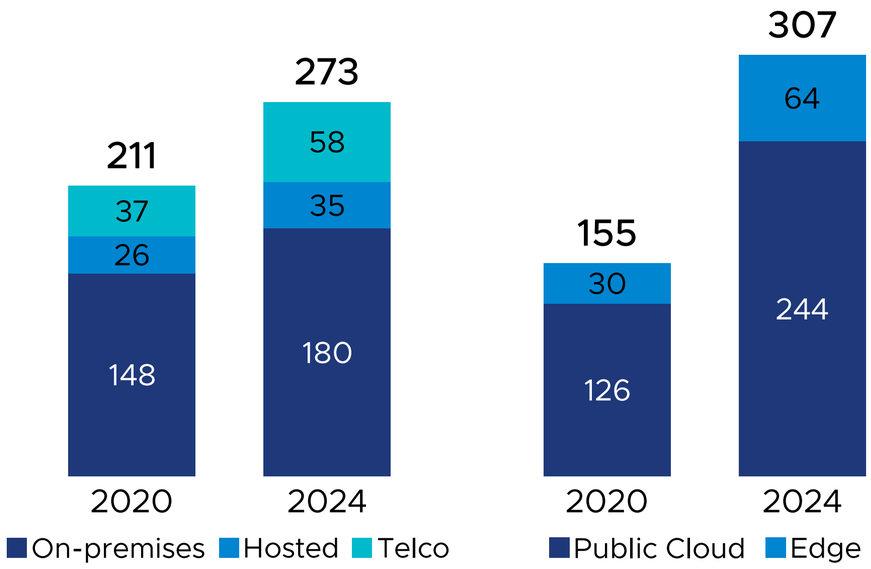
The changing IT infrastructure landscape



What is clear is that workloads are growing everywhere and lines of business (LOBs) increasingly make their own choices for infrastructure and services based on their unique needs. It's an evolution leading to some major changes within the coming years.

65%

of organizations prioritize unifying the way they manage and secure on-premises and cloud infrastructure to improve digital business resiliency. IDC. "Worldwide Digital Infrastructure Spending Priorities, 1Q23." Mary Johnston Turner. January 2023.

90%

By 2027, more than 90% of global organizations will be running containerized applications in production. Gartner. "CTO's Guide to Containers and Kubernetes – Answering the Top 10 FAQs." Arun Chandrasekaran, Wataru Katsurashima. May 31, 2022.

77%

of organizations worldwide believe shifting towards as-a-service consumption models is a critical element of their future digital infrastructure strategies. IDC. "Impact of Distributed, Data-Driven Workloads on Digital Infrastructure Priorities: IDC's Worldwide Future of Digital Infrastructure 2022 Survey Results." Mary Johnston Turner. August 2022.

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Workload growth creates higher demand for infrastructure services that provide key underlying functionality for these workloads and can remain business as usual, irrespective of where work is carried out or where applications are hosted.

But it is not without challenges. The constantly shifting nature of where work is carried out combined with huge increases in work volumes has left many businesses facing any number of challenges, including the following.

1. Lack of visibility	Multiple platforms and operating models fragment the organization and make ongoing visibility, management and maintenance time consuming and challenging.
2. Operational inefficiencies	Developers spend a lot of time on infrastructure operations instead of app development, which slows down time to market.
3. Inaccessible cloud benefits	While workloads already have the economics and locality teams want on-premises, they aren't easily able to take advantage of cloud services, such as universal access or site-level resilience.
4. Infrastructure silos	Workloads run on different platforms, fragmenting infrastructure (separate stacks of hardware), management, personnel (multiple teams), and process.
5. Licensing complexities and constraints	Traditional perpetual licensing schemes are not aligned to the needs of the modern business, leading to endless bookkeeping, entitlement gaps, and accidental end-user licensing agreement (EULA) compliance violations.
6. Increased security threats	The lack of visibility can expose potential security vulnerabilities and add complexity to software lifecycle management and day-to-day tasks, such as provisioning resources and troubleshooting.

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Requirements for geographically distributed on-premises and cloud footprints

Efficient operations

Enhance visibility and control
Address security gaps
Streamline maintenance

Rapid innovation

Accelerate time to market
Overcome skills gap
Deploy enterprise-class infrastructure and dev toolset

Flexible consumption

Procure using an OpEx model
Scale capacity on demand
Simplify entitlement

On top of it all, IT teams are expected to deliver uniform infrastructure consumption experiences to develop, deploy and maintain high-performance applications in a cost-effective and secure manner.

Something has to change.

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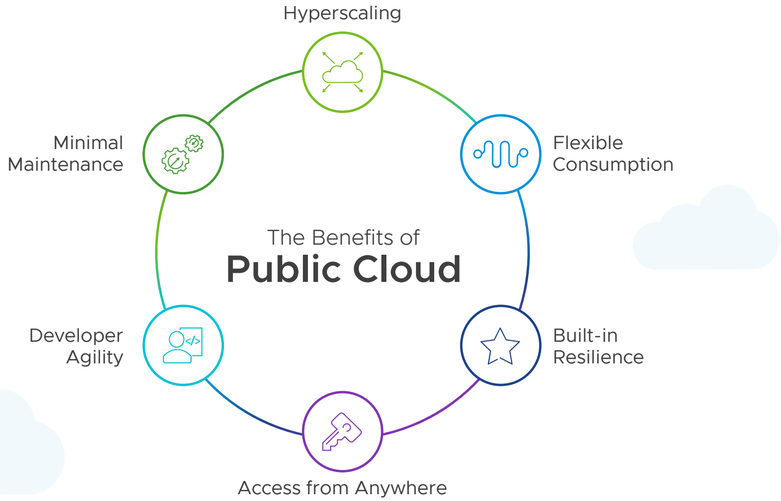
Imagine a world ...

Organizations need the benefits of public cloud, such as flexible consumption, built-in resilience, access from anywhere, developer agility, and minimal maintenance. But not at the expense of missing out on the added advantages of on-premises or private infrastructure, including data privacy, data security, data sovereignty, high performance, low latency, and predictable cost.



And this needs to be done without compromise:

- What if you could boost workload performance, increasing infrastructure services across the enterprise while reducing the total cost of infrastructure?
- What if you could accelerate the innovation of your developer teams and deliver infrastructure as a service directly to their development environments?
- What if the benefits of cloud were made available to on-premises workloads without requiring lift and shift?
- What if you could centrally manage on-premises infrastructure and reduce the operational burden of maintenance?

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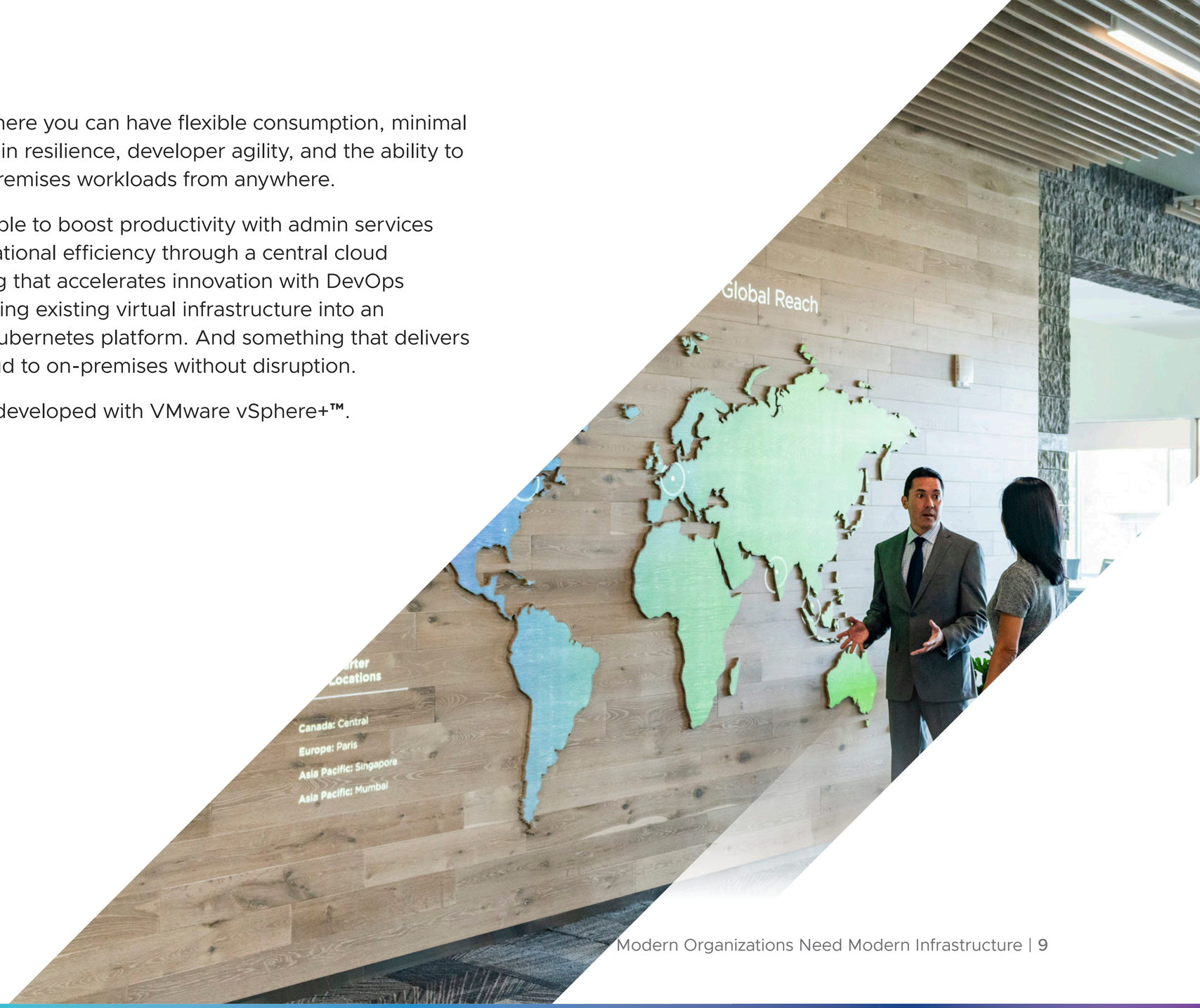
Imagine a world where you can have flexible consumption, minimal maintenance, built-in resilience, developer agility, and the ability to manage your on-premises workloads from anywhere.

Something that's able to boost productivity with admin services and enhance operational efficiency through a central cloud console. Something that accelerates innovation with DevOps services, transforming existing virtual infrastructure into an enterprise-ready Kubernetes platform. And something that delivers the benefits of cloud to on-premises without disruption.

That's what we've developed with VMware vSphere+™.



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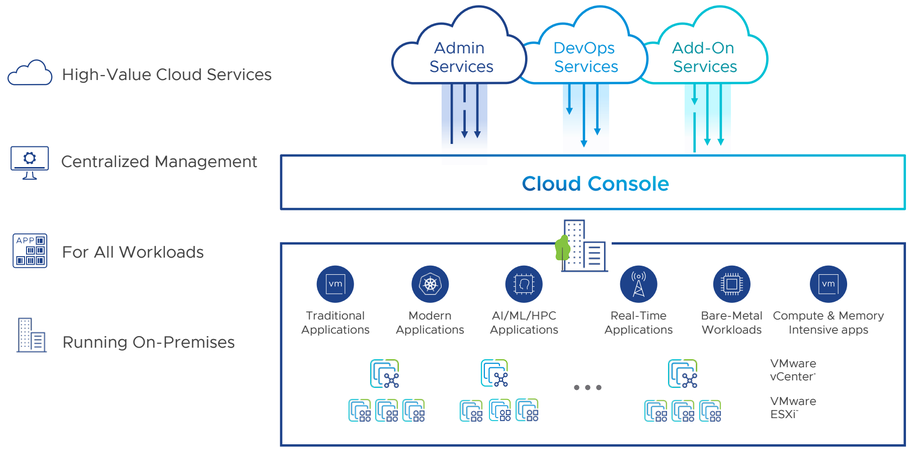
VMware vSphere+ is the enterprise workload platform that brings the benefits of the public cloud to on-premises workloads. It combines industry-leading virtualization technology, an enterprise-ready Kubernetes environment, and high-value cloud services to create SaaS-enabled infrastructure, available as a subscription. With vSphere+, IT admins and DevOps engineers can build, run, manage, protect and secure their traditional and next-gen applications on a single platform.

Building upon technology in the latest version of the VMware vSphere® Enterprise Plus edtion, vSphere+ provides access to a growing catalog of cloud services and centralizes management through the VMware Cloud™ Console. Workloads remain on-premises just like traditional vSphere today. But now, multiple VMware vCenter® instances can connect to vSphere+ in the VMware Cloud Console, allowing metadata to be collected and used to manage the entire distributed vSphere estate from one place.

vSphere+ delivers benefits of the cloud to on-premises workloads



vSphere+ brings both on-premises and cloud components together to form a hybrid solution. As a result, organizations can easily convert their traditional licensing to a vSphere+ subscription to align with OpEx financing models. Additionally with vSphere+, you can easily extend the on-premises capabilities of your current vSphere environment with solutions and services enabled by connecting to the VMware Cloud Console.

vSphere+ blends your current vSphere environment with SaaS-delivered VMware capabilities from the cloud.

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Business

1. Boost productivity

Via the VMware Cloud Console, IT organizations can centrally manage and monitor global inventory, alert status and security posture, and provision VMs to any vSphere cluster to quickly meet business needs.

2. Accelerate innovation

DevOps services transform existing virtual infrastructure into an enterprise-grade Kubernetes platform. This streamlines platform management and allows multiple Kubernetes clusters to be managed easily with observability, troubleshooting and resiliency.

3. Extend cloud benefits

Organizations can further extend their cloud capabilities with add-on services that expedite disaster recovery, ransomware protection, and capacity planning while improving ROI from existing investments.

Finance

4. Reduce large up-front costs

Purchase vSphere+ as a subscription and shift from a CapEx to an OpEx consumption model.

5. Simplify licensing

Separate vCenter license purchases and entitlement tracking are no longer required so you can deploy as many instances of vCenter as you need with no additional cost and with fewer licenses to manage.

6. Eliminate license keys

Keyless entitlement, metering and billing eliminates the hassle of recording, tracking, splitting and entering license keys.

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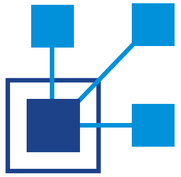
Administration



7. Centrally manage

Consolidate management of all vSphere deployments through a centralized Cloud Console with alerts to quickly triage areas that need attention across your vSphere estate.

8. Keep track of inventory

Visualize your inventory of vSphere+ resources with capacity to quickly understand your resource utilization across your vSphere estate.

9. Get ahead of security threats

Evaluate the security posture of your entire vSphere infrastructure to identify security weaknesses or exposures.

10. Avoid disruptive updates

Reduce the maintenance window so it's easier to schedule updates sooner, enabling rapid access to new features and the ability to address security vulnerabilities quickly.

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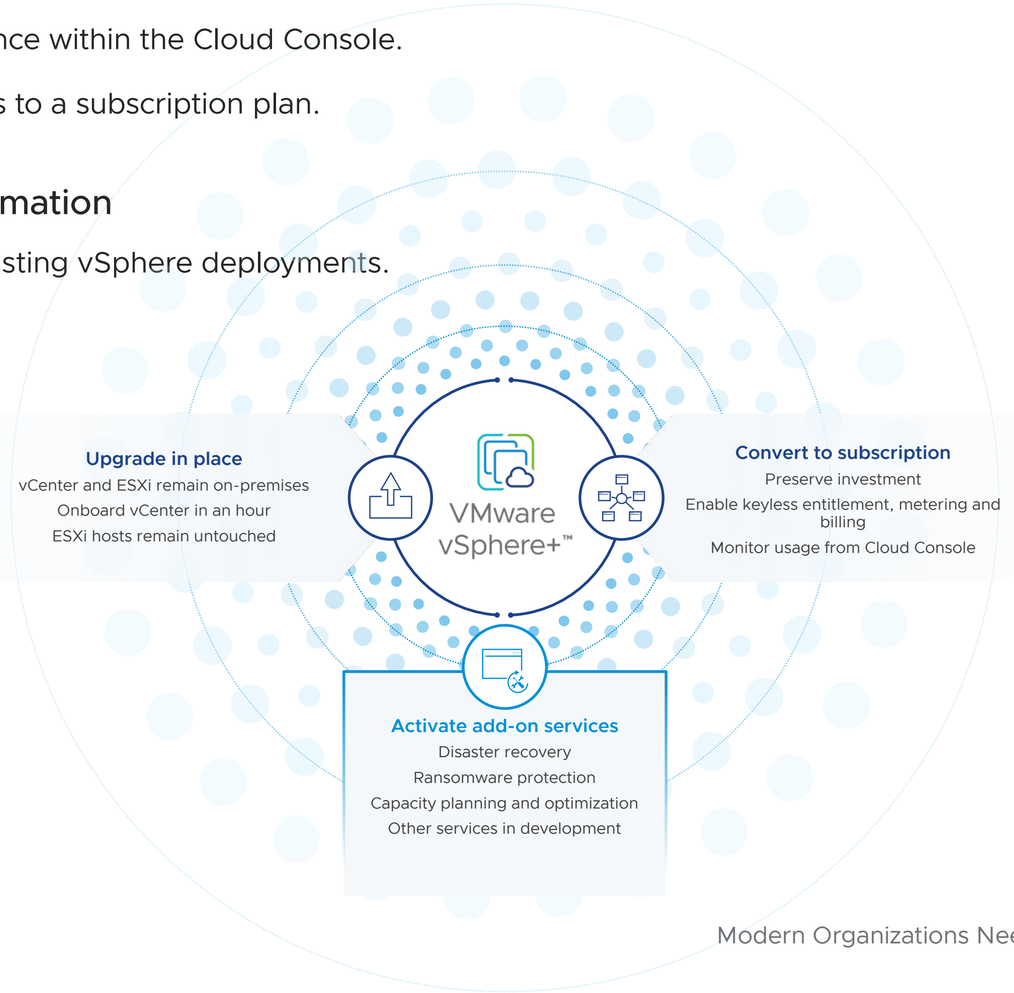
Adopting vSphere+ couldn't be easier. All it takes is four simple steps:

1. Upgrade the software on your existing vCenter instance, if needed.
2. Install a cloud gateway, if needed.
3. Register the vCenter instance within the Cloud Console.
4. Convert traditional licenses to a subscription plan.

An easy path for transformation

Add cloud benefits to your existing vSphere deployments.



Note that VMware ESXi™ hosts do not need to be upgraded. The vSphere+ onboarding process only requires updates to the vCenter instances and installation of cloud gateways that connect to the VMware Cloud Console. We estimate it should take less than an hour to onboard a vCenter instance into the VMware Cloud Console.

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Summary

Wherever you are on your digital transformation journey and in executing your cloud strategy, VMware vSphere+ can help by bringing the benefits of the cloud to your existing on-premises infrastructure and workloads, along with simplified consumption via a flexible subscription model.

This new offering enables any organization—no matter its size—to consume new capabilities and product updates faster and simpler, without disrupting workloads or replacing hardware.

Find out more

Every enterprise is a software company now. Digital acceleration has placed applications at the center of every goal, mission, project and campaign. How well an organization executes will increasingly depend on those applications and how quickly they can be developed and deployed into the hands of users. But this is where VMware can help if you want to:

1. Boost productivity
2. Accelerate innovation
3. Transform on-premises infrastructure

Learn more

Please visit www.vsphereplus.com to find out how vSphere+ can propel your organization into the future.

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