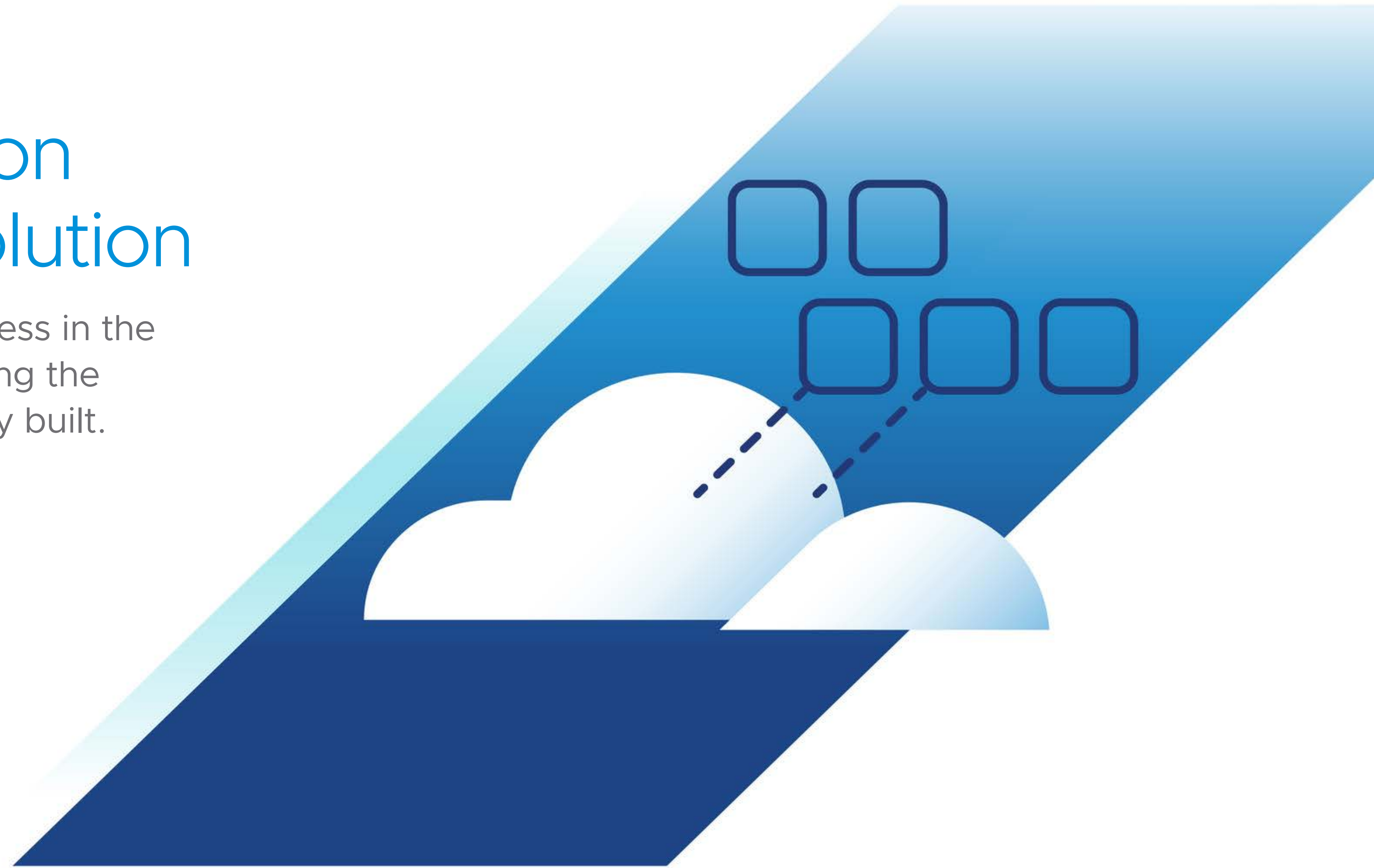


Zero-Disruption On-Prem Evolution

How to navigate your business in the cloud era without overhauling the infrastructure you've already built.

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Embracing cloud: an evolutionary approach to drive innovation

There was a time when the cloud was a new concept, and many organizations stayed on the sidelines to see if the reality would live up to the hype. Fast-forward to today, and it's clear that cloud is not only a viable strategy, it's also driving significant business transformation. That's why, according to a Google survey of business leaders, 41 percent state that they are increasing their use of cloud-based services and products.¹ This includes migrating from legacy software to cloud-based tools, as well as migrating on-premises workloads to the cloud.

While many organizations recognize that moving data and workloads to the cloud is necessary to improve operational efficiency, increase agility, and compete in today's business environment, others might delay or resist the shift.

With a significant investment in existing infrastructure, many prefer to run workloads in on-premises data centers for a variety of reasons, including:

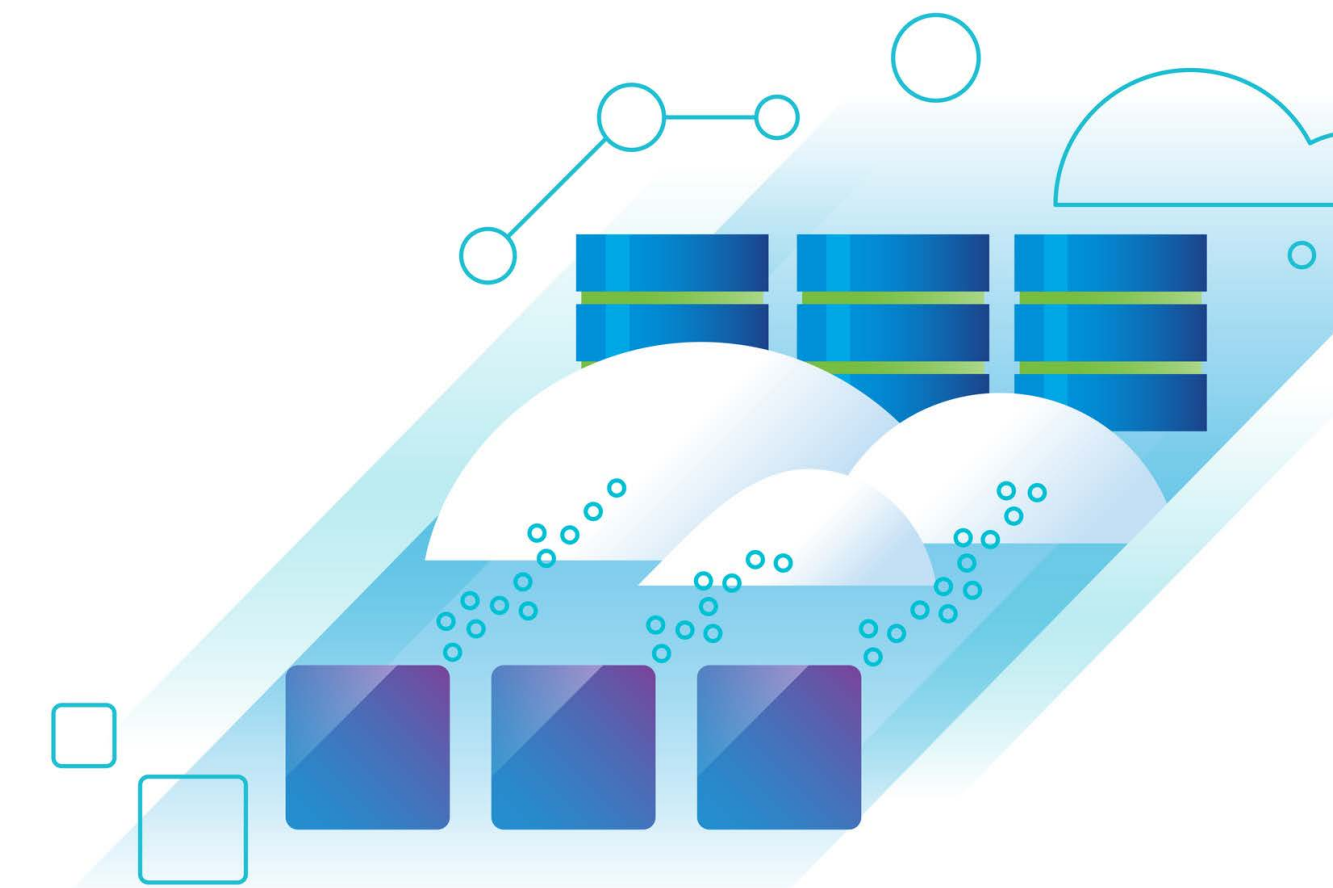
-  Cost management
-  Regulatory compliance
-  Data privacy, security or sovereignty considerations
-  Network bandwidth and latency-sensitive workloads
-  Technical and migration risks and complexities of refactoring applications

Still, the cloud brings the flexibility, performance, efficiency and agility needed to achieve faster time to market and take advantage of emerging technologies, such as AI and ML. Ultimately, organizations need to embrace cloud because they need to grow, compete and innovate.

So why are some organizations still delaying cloud adoption?

75%

of the “cloud’s predicted value comes from boosting innovation,” according to McKinsey & Company.²



1. Google. “Google Cloud Brand Pulse Survey, Q4.” 2022.

2. McKinsey Quarterly Five Fifty. “Cloudy with a chance of billions.” April 6, 2021.

Common reasons organizations delay cloud adoption— and why they shouldn't hold you back

Status quo is working fine; or, if it's not broke don't fix it

When existing systems and processes seem to be working well, it can be difficult to make a case for transforming your technology and business. But organizations that adopt a cloud strategy experience benefits in both technology operations and in the business. In fact, organizations that leverage cloud computing as part of their strategy are 14 percent more likely to exceed their performance goals than peers that do not, according to a Google survey.³ In today's business environment, maintaining the status quo means your competitors will leave you behind as they leverage cloud solutions to move faster, respond to changes in customer needs, and develop innovative new products and services.

Complexity and fear of disrupting business and operations

When organizations have existing legacy infrastructure and tools, migrating to the cloud can be overwhelming. Cloud migration

can be complex, and the last thing you want to do is make a mistake. Add to that the cultural implications and impact on teams who might be resistant to change, and it often feels like the risk isn't worth taking. Minimizing complexity and mitigating the risk of cloud migration to realize business value requires finding the balance between the cost efficiencies offered by public cloud and leveraging existing investments in systems, tools and staff skillsets.

Belief that cloud requires an all or nothing approach

Few organizations go all in on public cloud. In fact, most organizations that participated in a Flexera survey are exploring different approaches, including a multi-cloud strategy (87 percent) or a hybrid cloud strategy that uses both public and private clouds (72 percent).⁴ In addition to allowing you to align your business needs with the right public cloud provider, a multi-cloud approach improves resiliency and avoids vendor lock-in, which mitigates risk. However, organizations often want the control, flexibility and security that come from maintaining data and applications on premises.

72%

of organizations are pursuing a hybrid cloud approach that uses both public and private clouds, according to Flexera.⁴

3. Google. "Google Cloud Brand Pulse Survey, Q4." 2022.

4. Flexera. "Flexera 2023 State of the Cloud Report." April 2023.

A hybrid cloud approach is an ideal option for organizations that want the best of both worlds—a strategy that includes both public cloud and a private on-premises cloud.

Cloud costs

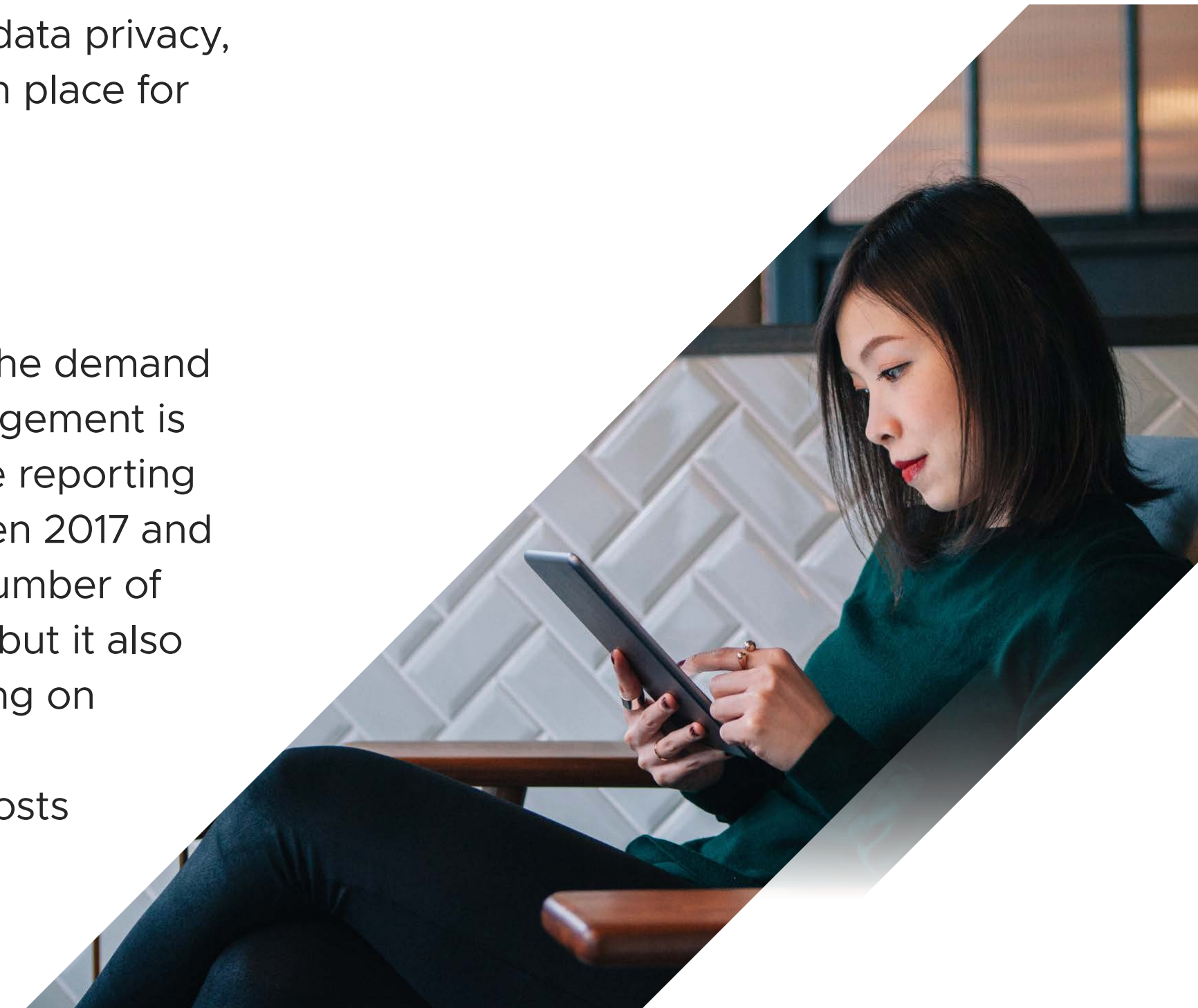
Although cloud offers benefits, migrating to the cloud also brings costs. There are upfront costs, such as those for refactoring applications and moving data to the cloud. Additionally, there are ongoing costs, such as those for overprovisioning, continuing integration and application testing, and staff training. In a McKinsey & Company survey, three-quarters of organizations reported spending on cloud migration exceeded planned budget.⁵ It's no surprise that many businesses hit pause. A hybrid cloud approach that advances your existing data center while gradually embracing cloud technologies can help control costs. It does so by reducing the amount of data moved between public cloud and on-premises data centers, thereby mitigating the risk of oversubscribing to cloud services while leveraging existing investments in technology and skillsets.

Security, privacy and data sovereignty concerns

From misconfigurations of cloud security settings to a lack of visibility and cyberattacks, security considerations for cloud-based infrastructure are very different from those of on-premises data centers. Ensuring the security of workloads and data requires a different approach. A hybrid cloud approach lets you take advantage of the data privacy, security or sovereignty considerations already in place for on-premises resources.

Lack of skills

As more organizations adopt cloud strategies, the demand for skilled talent has soared. Today, cloud management is one of the most sought-after skills, with Deloitte reporting that cloud job postings grew 94 percent between 2017 and 2020.⁶ This shortage not only means that the number of skilled cloud professionals can't meet demand, but it also drives up the cost of these resources. Capitalizing on existing investments in skillsets and resources accelerates your move to cloud—and reduces costs when leveraging a hybrid cloud approach.



5. McKinsey & Company. "Cloud-migration opportunity: Business value grows, but missteps abound." Tara Balakrishnan, Chandra Gnanasambandam, Leandro Santos, Bhargs Srivathsan. October 12, 2021.

6. Deloitte. "Six ways to tackle the massive software engineering skills shortage."

Hybrid cloud: the best of both worlds

There's a reason hybrid cloud is more popular than ever: It delivers the ability to move workloads across environments using the best offerings of both public and private cloud.

By leveraging a private on-premises cloud and public cloud, you have the flexibility to move workloads between environments as business needs evolve and demands for IT services fluctuate. And, in a hybrid cloud, you can determine the best location to house data and workloads based on your unique policy, security and compliance requirements.

That means you can embrace cloud without sacrificing your existing investments in staff, infrastructure and systems. In fact, with the right solution, you can leverage those investments to move faster and smarter.



VMware vSphere+™ brings the benefits of cloud to on-premises workloads:

- Leverage existing investments and pivot to a flexible subscription model.
- Enhance your on-premises workloads with cloud services to empower admins and development/DevOps teams.
- Choose from add-on cloud services, such as disaster recovery, ransomware protection, capacity planning, optimization and more.



Adopting a cloud operating model on premises

A cloud operating model is part of an effective cloud strategy that enables IT to provide the foundation for successful multi-cloud and hybrid cloud deployment, management, orchestration, cost insights and security mechanisms. It helps inform and shape a strong IT services delivery foundation using modern technologies and best practices.

By adopting a cloud operating model on premises, you gain the ability to use common multi-cloud technologies that can drive a high return on investment and competitive advantage. An on-premises cloud operating model also enables team collaboration and the use of advanced analytics to deliver faster decision-making—and a more cost-effective cloud strategy.

When you bring the benefits of a cloud operating model to on-premises workloads, you can transform existing on-premises deployments into SaaS-enabled infrastructure. Doing so lets you drive consistency and enable faster cycle times for deploying and managing applications across any cloud architecture.

Benefits



DevOps – Developers can take advantage of automated workflows to speed application deployment frequency and reduce code error rates.



Self-service – IT operations teams can provide self-service interfaces to engineering, cloud platform and DevOps teams to deliver resources quickly and in an automated fashion.



Standardization – Standardized governance, management and orchestration capabilities can be applied to both traditional virtual machines and containerized applications.



Consistency – You gain a consistent set of integrated solutions and policies, regardless of the underlying cloud.



Budgetary alignment – You can better align IT budget and resources to business outcomes, including lower cost of operations, more secure service delivery, and higher levels of agility and collaboration through automation.

Modernize your IT infrastructure with minimal disruption and capitalize on existing infrastructure and investments with VMware vSphere+

Transform your on-premises infrastructure with VMware vSphere+. Boost productivity with centralized cloud management and a unified, consistent VMware Cloud™ experience for all workloads, no matter where they are.



Supercharge productivity with admin services. Improve efficiencies by consolidating management and governance with the cloud console, which enables you to perform tasks in aggregate and significantly reduces your operational burden.



Accelerate innovation with developer services. Transform your existing virtual infrastructure into an enterprise-ready, self-service Kubernetes platform with vSphere+ developer services: VMware Tanzu® Kubernetes Grid™ service, storage service, network service, registry service, and VM service.



Transform on-premises infrastructure with cloud integration. Gain the benefits of the cloud and enhance your existing on-premises deployments in place—without disrupting your workloads. All your workloads and data remain fully on premises.



Gain visibility with the cloud console. vSphere+ connects all VMware vCenter® instances (at your discretion) to VMware Cloud for centralized management. This enables you to see your entire VMware vSphere® and centrally monitor events, alerts and resource capacity while identifying unaddressed security vulnerabilities.

VMware vSphere+, the multi-cloud workload platform, delivers the benefits of the cloud to on-premises workloads. By combining industry-leading virtualization technology, an enterprise-ready Kubernetes environment, and high-value cloud services, vSphere+ transforms existing on-premises deployments into a modern SaaS-enabled infrastructure.



Upgrade to VMware vSphere+ and accelerate innovation

Unlock cloud benefits and enhance your existing deployments without disrupting your workloads. VMware vSphere+ offers it all. Access cloud services and capabilities directly through the VMware vSphere+ cloud console, including HCI, disaster recovery as a service, ransomware protection, enterprise-app infrastructure as a service, automation, developer services and more.

Skip ahead to the cloud. Upgrade to VMware vSphere+ and easily extend your on-premises IT infrastructure to the public cloud while leveraging existing skills, tools and processes.

Get the benefits of the cloud for on-premises workloads

VMware vSphere+ supercharges performance, enhances operational efficiency, and accelerates innovation.

[DISCOVER HOW](#)

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