Commvault®

Commvault® Cloud for VMware Cloud™ on Amazon Web Services

Today, many organizations are turning to the cloud to achieve greater agility, scale, and cost-efficiency while better meeting customer demands—but they still need to leverage their existing investments. VMware Cloud™ (VMC) on Amazon Web Services (AWS) is a powerful and flexible solution that can help organizations seamlessly migrate and extend their current environments to AWS. VMC provides a unified framework of software-defined infrastructure that spans private cloud and AWS, reducing the learning curve associated with cloud adoption and accelerating transformation. With VMC on AWS, organizations can quickly and easily deploy and manage a broad range of cloud-native and traditional applications to deliver services faster and more efficiently. But how can you protect your VMware Cloud on AWS workloads with the same protection and recoverability as your on-premises VMware workloads?

Commvault provides industry-leading cyber resilience—including native support and deep integration with VMware and AWS technologies, enabling organizations to secure, defend, and recover data easily across hybrid and public cloud environments. Powerful automation integrates with technologies like vSAN snapshots and vStorage APIs for Data Protection (VADP) to simplify operations and improve performance, leveraging AI and ML to ensure backup and recovery SLAs are met. Proactive, multilayered security goes multiple steps beyond what traditional data protection solutions offer, actively defending data against ransomware and other cyberattacks. Recovery is fast and flexible, enabling your organization to get your data back online— whether in the data center or the cloud—so you can resume operations quickly.

HIGHLIGHTS

- Agentless, application-aware protection of your VMC on AWS instances via vSAN snapshots
- Seamless integration with AWS offerings—including Amazon Simple Storage Service (Amazon S3) and Amazon Elastic Compute Cloud (Amazon EC2)—for backup, as disaster recovery targets, and for migration of workloads to AWS
- Zero trust security foundation with integration into AWS Identity and Access Management (IAM) and AWS Security Token Service (STS) AssumeRole for secure resource access and reduced attack risk
- Proactive threat detection to surface threats in production environments before data is compromised
- Lower TCO with Commvault's cloud cost-optimization features

WHY CHOOSE COMMVAULT CLOUD FOR DATA MANAGEMENT AND PROTECTION OF VMC ON AWS

Commvault Cloud's unified platform takes a holistic approach to data management, utilizing a flexible and extensible architecture that helps you detect threats sooner, reduce gaps in your attack surface, and lower recovery costs to derive more value from your data. With the broadest ecosystem support in the industry, including extensive support for AWS services and VMware technology, Commvault helps you protect your workloads running in VMC on AWS, and enables you to accelerate and optimize how your organization transforms and adopts cloud technologies.

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Here's how Commvault is leading the way in protection for VMC on AWS:

Integrated data protection

- Agentless, application-aware protection fully integrated with APIs for VMware Cloud on AWS Software-Defined Data Center (SDDC)
- Backups and restores using vStorage APIs for Data Protection (VADP)
- Support for Changed Block Tracking (CBT) to accelerate backups
- Flexible recovery options for both granular (file/folder) and full VM or VMDK restores
- Disaster recovery replication with failover and failback to/from on-premises VMware, VMware Cloud on AWS, and native Amazon EC2, in any combination

Native support of AWS offerings

- Supports all tiers of AWS storage: Amazon S3 Standard, Amazon S3 Standard-IA, Amazon S3 One Zone-IA, Amazon S3 Glacier Instant Retrieval, Amazon S3 Glacier Flexible Retrieval, and Amazon Glacier Deep Archive
- No need for gateways or cloud-connector software
- Integrated with Amazon S3 Object Lock for write once, read many (WORM), and compliance storage

Proactive, multilayered security

- Zero trust architecture with best-in-class protocols, including integration with AWS IAM and AWS STS AssumeRole
- Proactive threat detection to surface threats in production environments before data is compromised
- Risk analysis that discovers sensitive files and prevents exfiltration
- Security insights to recognize abnormal behavior and improve security posture
- Active threat scanning of backups to ensure "known good" copies of data and avoid reinfection
- Analysis, validation, and orchestration of recoveries at scale

Cloud cost optimization

- Data stored is deduplicated and compressed, reducing storage costs in Amazon S3, and network egress costs on data being moved between AWS Regions and on-premises locations
- Smart Commvault infrastructure in Amazon EC2 that powers down when not in use and automatically scales access nodes as backup jobs require
- Validated solutions are AWS Graviton Ready and Amazon Linux Ready, ensuring the best cost/performance

Simplified management

- Single-pane-of-glass management for data protection across AWS and other clouds, plus on-premises, SaaS, and containerized environments—reducing management sprawl and leveraging powerful automation to save time and money
- Native tagging within AWS and VMware environments to discover and auto-protect workloads across your organization
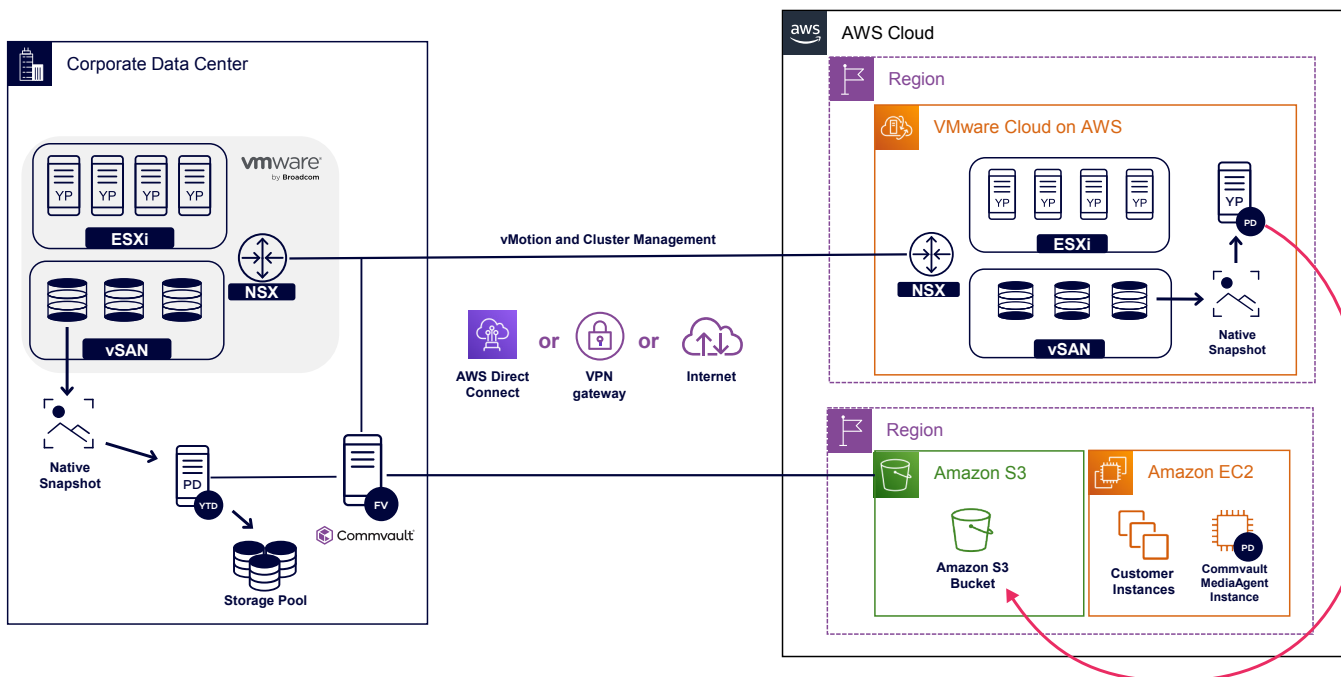
USE CASES FOR DATA PROTECTION AND CLOUD MIGRATION

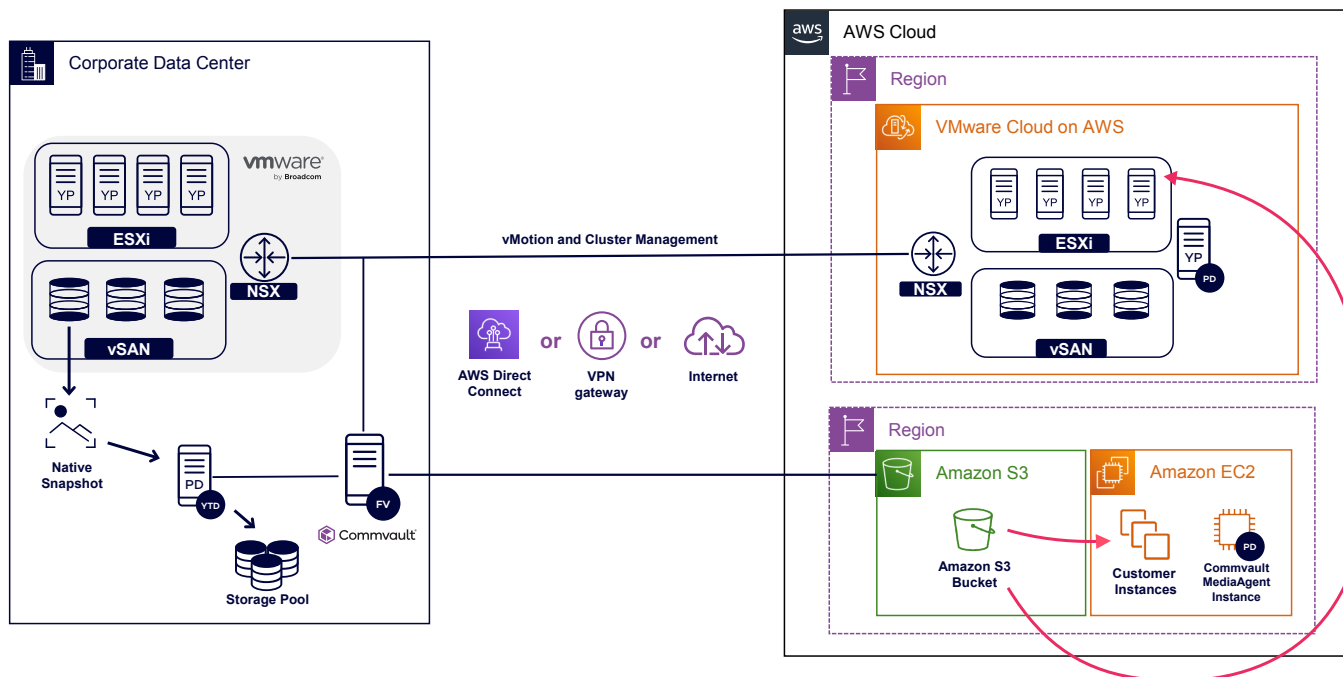Supported use cases for Commvault Cloud in VMware Cloud on AWS include:

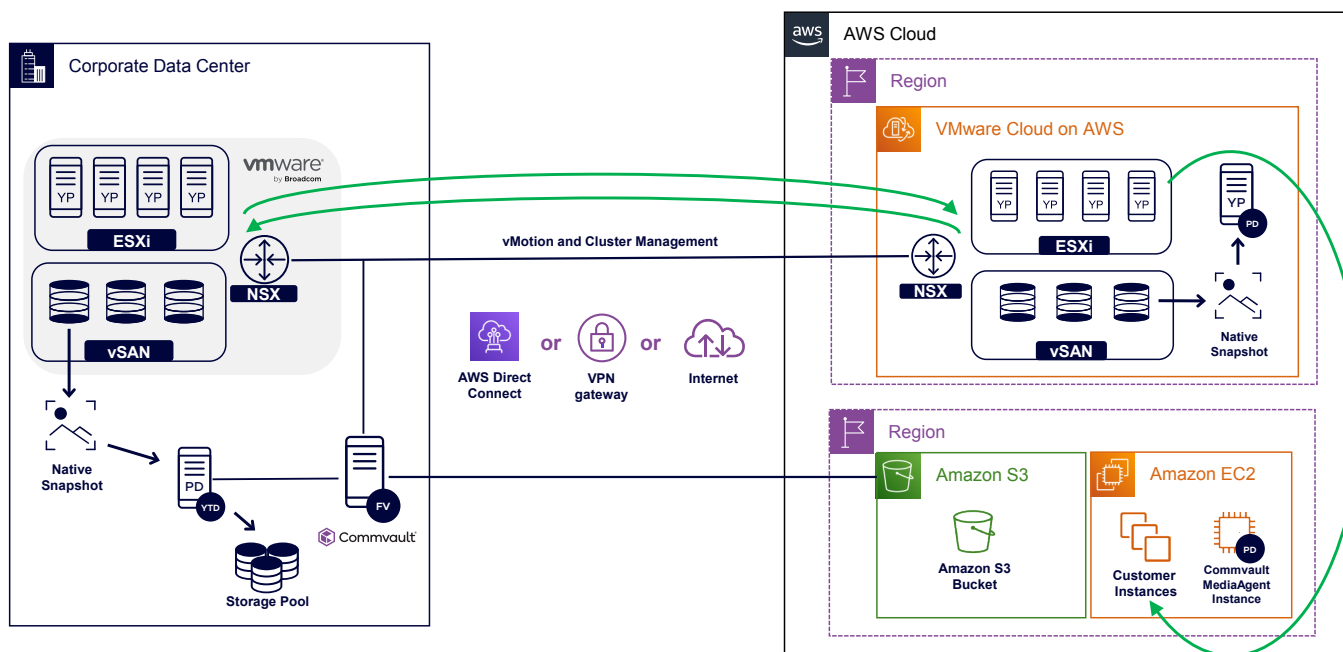**1** Backup of VMware Cloud on AWS to Amazon S3
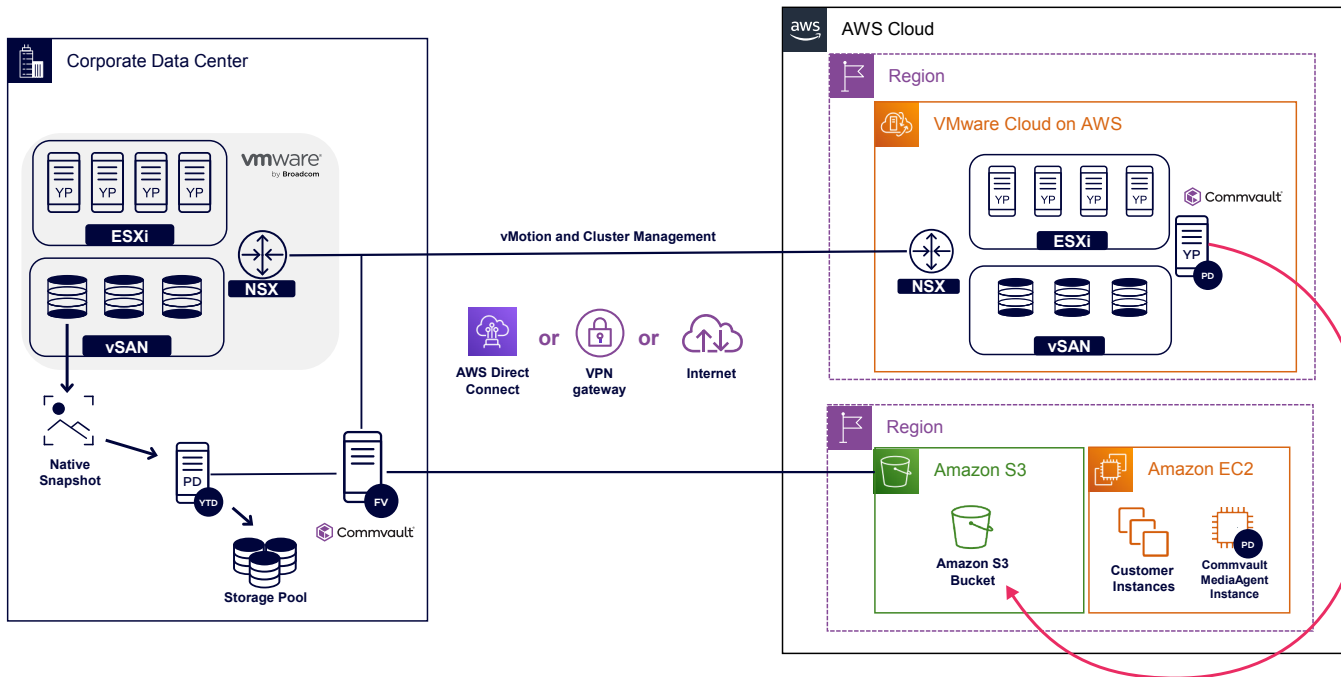
2 Snapshot of vSAN and backup of VMware Cloud on AWS to Amazon S3
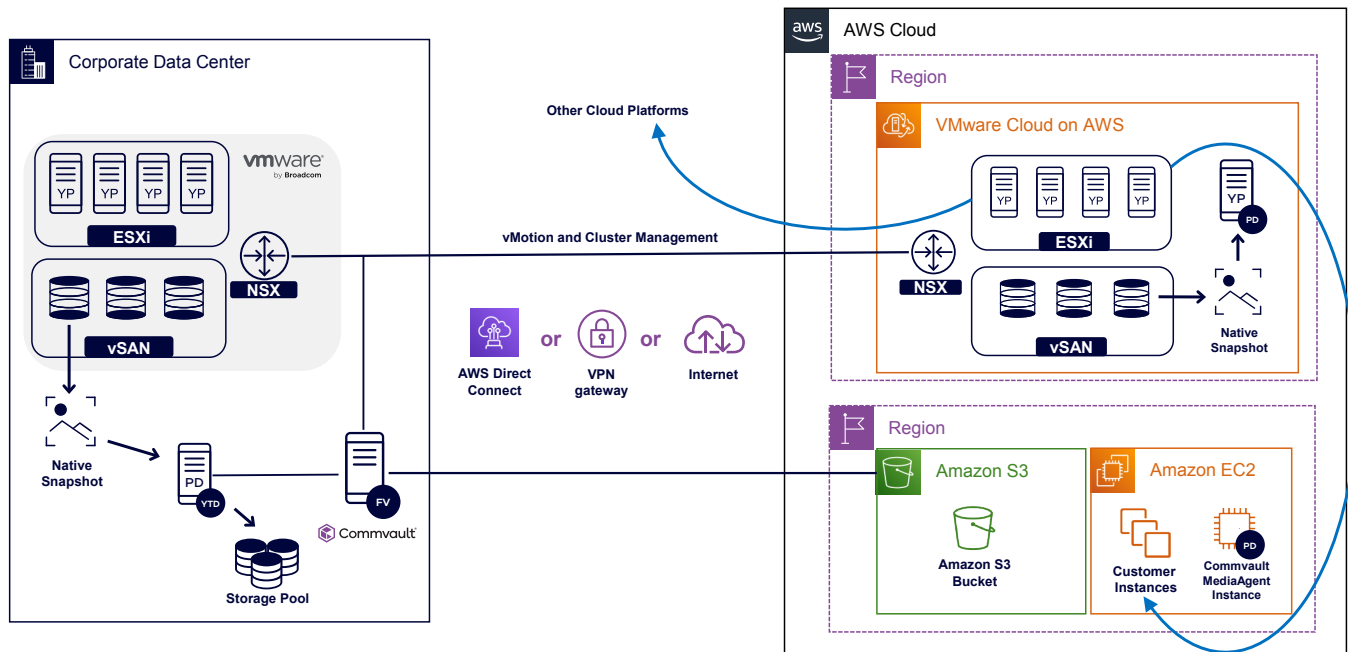
3   Restore from Amazon S3 to anywhere, including on-premises

4   Auto Recovery with replication between VMware Cloud on AWS, Amazon EC2 instances, and/or on-premises VMware deployments

5 Simplified migration from VMware Cloud on AWS to other AWS instances and other public cloud platforms

GET STARTED TODAY

You can start protecting your VMware Cloud on AWS environments today by visiting Commvault on AWS Marketplace. Our software deploys in minutes via AWS CloudFormation.

Our BYOL version even comes with a no-cost trial license so you can go hands-on to see how powerful and simple it can be to protect your data everywhere with Commvault.

For more information about Commvault's cyber resilience solutions for AWS, **click here**.

Learn more about **data virtualization solutions from Commvault**

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