Challenges
Protecting VMware Workloads in the Cloud

Enterprises want to use VMC to move their VMs to the cloud, and they need a secure, easy to manage data protection solution. Current solutions require separate backup applications to run on-prem and in the cloud. Capacity planning for these solutions is complicated and time-consuming. It is also challenging to deal with complicated, capacity-based licensing models. Managing backup compliance is also a challenge due to multiple or fragmented management consoles. Further, current solutions often spawn fragmented security solutions that increase management complexity and adversely impact security.

The Clumio Solution
Authentic SaaS for Enterprise Backup

A single, secure backup service that protects VMs that run on VMC, in your data centers, or any remote sites. There is no hardware or software to size, configure, manage, or buy. Scale on-demand as resources are automatically activated to meet requirements. This approach means that capacity planning is no longer required. Predictable Costs – pricing is based on the number of VMs protected, regardless of how large they grow. Always-On Security – all backups are encrypted in-transit, and at rest. Built on AWS, Clumio benefits from AWS’s investments in physical and environmental security, compliance, data governance, and data durability.

Benefits
A secure, backup as a service that consolidates the protection of enterprise data with no infrastructure to size, configure, manage – or even buy at all.

- **Scale on Demand**
  Storage and processing resources are automatically activated to meet backup and restore requirements, eliminating the need for capacity planning.

- **Predictable Costs**
  Pricing is based on the number of VMs protected. There is no capacity-based pricing, surprise egress charges, or cloud bills.

- **Easy to Manage**
  Set up and start protecting your data in 15 minutes. No more backup capacity planning. The subscription includes proactive support.

- **Global Compliance**
  Create one set of policies to backup VMs on-prem and in the cloud. Manage backup compliance with a real-time dashboard.

- **Always-on Security**
  All backups are encrypted in-transit, and at rest with AES-256 bit encryption. Encryption key rotation occurs frequently.
Backup VMware On-prem and in the Cloud

Before enterprises can move production on-prem workloads to the cloud, they must have an effective backup solution. Because these transitions happen over time, organizations need a simple solution to protect their VMs on-prem and running in the cloud. Clumio protects VMs wherever they run. Save time, cost, and effort on capacity planning. Replace the complexity of managing multiple backup application stacks with a single service and a predictable cost model. Clumio meets these requirements with a single, secure service and allows enterprises to overcome challenges related to backup, archive, and compliance.

Features

Built on AWS

Clumio leverages the performance, scale, and capacity of AWS through S3, EC2, Lambda and DynamoDB. The Clumio Cloud Connector is the component that moves data from the customer environment to Clumio and vice versa. The cloud connector sends backup data directly to S3 enabling seamless scaling of VM backups in parallel. We use the on demand compute capabilities of EC2 and Lambda to run post processing activities such as indexing. We use the infinite scalability of DynamoDB to build a global deduplication database for each customer. Other backup vendors are limited by the scale of individual appliances.

Integration with AWS Key Management Service

Clumio leverages the AWS Key Management Service to generate a unique Customer Master Key (CMK) for each customer. Clumio implements AES-256 bit FIPS 140-2 compliant encryption. Encryption is the first step that occurs to protect customer data. This architecture enables the protection of customer data in-flight or at rest through end to end encryption.

Case Study: City of Davenport

Challenges

The previous backup solution was insufficient if disaster struck. Too many resources were dedicated to backup. Existing products were difficult to configure, required huge amounts of storage and management. Racking and stacking hardware is difficult.

Solution

Subscribe to the Clumio service. Drop a lightweight OVA into an existing VMware stack. Register your VMs, set up your policies, and start backing up to the cloud.

Results

“It’s simple to deploy, easy to configure, very low cost, and it just works”

“Clumio enabled us to focus on higher priorities than backup”

Cory Smith, CIO and CTO

Get started with Clumio on AWS

Visit Clumio to learn more or schedule a demo today.