Clumio Backup for Native AWS Services

Clumio provides an authentic SaaS experience for backup including:

- **Cost-Effective Data Retention**
  Data is stored efficiently enabling the enterprise to retain data longer, cost-effectively, in order to meet compliance requirements.

- **Data Loss and Ransomware Protection**
  Backups are stored outside of AWS production accounts, providing an air gap to ensure data is quickly restorable from human error, ransomware, and other risks.

- **Centralized Policy Management**
  Protect tens to thousands of AWS accounts and VMs from a single set of policies - consistently and securely.

- **Data Efficiencies**
  Global deduplication, compression and granular restores across AWS accounts, VMs on AWS, and EBS volumes reduce costs and enables efficient storage.

- **Predictable Costs**
  Predictable OPEX pricing model, eliminating the surprise costs of data transfers that are typical of cloud offerings.

Protecting Native AWS Services

Enterprises have moved, or are in the process of moving workloads to the cloud. Undoubtedly cost benefits, increased productivity and availability are just a few reasons to move workloads to native Amazon Web Services (AWS). In addition, AWS is one of the most recognized cloud providers by organizations of all sizes.

Organizations running applications on Amazon Elastic Compute Cloud (EC2) with Amazon Elastic Block Store (EBS), often make assumptions about data backup and recoverability. This leaves data open to risks—the most common being accidental deletion, ransomware, hardware failures, logical corruption, and malware. Enterprises need to employ dedicated, enterprise-grade backup to protect their valuable data assets in AWS.

Approaches for Backing up Native AWS Services

There are two approaches for backing up native AWS services today: snapshot managers and legacy, on-premise tools. In moving workloads to the cloud, enterprises assume that these approaches are enough to protect data assets, however each of these present limitations.

Snapshot managers are not a complete backup strategy. Snapshots are stored with production data, so if an account is compromised, so might be the snapshots.
For this reason, snapshot managers cannot solely be relied on for data recovery. Doing so exposes data to risks of deletion and ransomware. Relying on snapshot managers for backup can be expensive, adding unexpected storage costs. Meeting data retention requirements with snapshots alone incurs significant storage costs, as well as the complexity of estimating overall data retention costs based on data growth, change rates, deduplication and compression.

> ## Snapshot managers cannot solely be relied on for data recovery.

To reduce storage usage and costs, snapshots could be deleted opening the enterprise to compliance issues around data retention. Managing snapshots happens at the account level; for enterprises with more than a few AWS accounts, this becomes complicated and painful to manage manually.

Legacy, on-premise backup solutions were not purpose-built for the cloud, creating unnecessary management complexity. They require additional CAPEX and are resource-intensive to deploy, troubleshoot and manage. Using an on-premise solution for the cloud requires workarounds that can be both inefficient and expensive. Not to mention the backup solution has to be deployed per account-creating a management burden.

Clumio Backup for Native AWS Services

CLUMIO

Clumio Provides Secure Enterprise Backup for Native AWS Services

Clumio solves the problem with reliable, elastic and easy-to-manage backup for enterprises running native AWS services with EBS. At Clumio, we believe that to achieve the promised benefits of cloud computing, the complexity of backup should be taken off internal teams, so the enterprise can focus on their core business.

> Clumio simplifies the backup of AWS accounts and VMs—efficiently, securely, and cost-effectively. Data can be quickly recovered with granular restores.

Backup data is stored securely in Clumio-managed Amazon S3 buckets, providing an air gap measure to keep an isolated copy of data, separate from production. This helps ensure that data is recovered quickly if, for example, a login is compromised. Clumio backup for native AWS services eliminates the need for the enterprise to allocate resources for backup infrastructure.

Clumio simplifies management, with a single set of policies from which to set and enforce enterprise backup. Clumio enables the centralized management of tens to thousands of AWS accounts, with the immediate ability to monitor enforcement of backup policies and ensure data retention—a daunting task as AWS accounts scale with legacy products.

Clumio simplifies the backup of AWS accounts and VMs-efficiently, securely, and cost-effectively. Data can be quickly recovered with granular restores. Storage is efficient and cost-effective with global deduplication and compression. Clumio is priced based on provisioned TB, eliminating extra, surprise costs typical of other cloud providers. Ultimately Clumio takes the pain out of backup and brings cost predictability with SaaS, enabling enterprises to realize the most value from their AWS data, no matter where it resides.

Clumio is the innovator of authentic SaaS for enterprise backup. Using this secure service, organizations eliminate hardware and software for on-premise backup and avoid the complexity and cost of running third-party backup software in the cloud. As enterprises move aggressively to cloud, they use Clumio to protect workloads like VMware Cloud on AWS and native AWS services. Born in the public cloud, Clumio can leverage the most modern cloud services to ensure it meets the current and future backup requirements of the most demanding enterprises. For more information, visit: www.clumio.com

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