Druva for Amazon S3 (Simple Storage Service)

The standard approach to protecting Amazon S3 data often lacks isolation, granularity, and true backup capabilities—leaving critical cloud object data vulnerable to ransomware, accidental deletion, and credential compromise. Relying on versioning, replication, or native tooling fails to provide the immutability and separation required for true cyber resilience. Attempts to manually implement backup workflows using scripts or lifecycle policies can be complex, incomplete, and costly. So what's the alternative? That's where Druva comes in.

The Druva solution

Druva delivers a fully agentless, cloud-native backup solution for Amazon S3, offering air-gapped, immutable backups stored securely outside your AWS account. There's no need to deploy proxies or manage infrastructure. With granular object-level protection, smart search and flexible restore, and zero egress fees, Druva simplifies operations while maximizing data security. Manage backups across Amazon EC2, RDS, and Amazon S3—all from a single SaaS platform designed for scale and cyber resilience.

Maximize Backup Data Security — Air-gapped, decoupled backups ensure your Amazon S3 data is isolated from your production environment, protecting it from ransomware, insider threats, and deletion events.

Ransomware Readiness — Immutable backups in Druva Cloud are locked from modification or deletion—even in the event of compromised AWS credentials or insider threats.

Lower Total Costs — Save on AWS storage costs with global deduplication, cold storage tiering, no egress fees, and free restores. Eliminate the need for managing infrastructure, or operational overheads

Simplified Recovery — Restore specific Amazon S3 objects, metadata, or entire buckets to their original or alternate location using advanced filters for time, type, or size.

Zero Headaches — Streamline Amazon S3 data protection with fully managed, agentless SaaS platform—no infrastructure to maintain, no manual workflows to manage.

Use case challenges solved by Druva

Operational Complexity and Lack of Visibility
Protecting Amazon S3 typically requires a mix of lifecycle policies, and multiple AWS tools—resulting in operational overhead, inconsistency, and limited visibility across your AWS organization. Druva eliminates this complexity with an agentless, fully managed SaaS experience. Backup and recovery can be configured in minutes, with centralized control, automated policy enforcement, and seamless recovery from a single console—no infrastructure required.

Backup Data Vulnerability to Cyber Threats
While versioning and replication provide some protection, they reside within the same environment—leaving data exposed to ransomware, insider threats, or deletion. Druva separates Amazon S3 backups entirely from your AWS organization, offering true airgap security and immutable storage.

Rising AWS Storage Costs
Cross-region and cross-account replication leads to ballooning storage costs—especially when you need to retain multiple versions of objects. Druva reduces storage costs with global deduplication, cold storage tiers, and by eliminating egress fees.

Key features

Simplicity and SaaS-Based Management

- **No infrastructure required:** Agentless deployment—no proxies or infrastructure to install or manage in your environment.

- **Fast time to value:** Set up backups in minutes using intuitive, policy-based workflows.

- **Unified control plane:** Centralized visibility, management and control across Amazon S3, Amazon EC2, Amazon RDS, and more from a single platform.

True Air-Gapped Data Security

- **Complete backup data isolation:** Backup data is stored outside the customers AWS organization, fully isolated from any AWS access or misconfigurations.

- **Full and Incremental backups:** Ensures efficient protection of Amazon S3 data —minimizing storage usage and accelerating backup windows.

- **Guaranteed immutability with data lock:** Object backups are protected by tamper-proof retention policies, ensuring data cannot be altered or deleted—even with compromised credentials.

Lower Costs

- **Lower TCO:** Global deduplication eliminates duplicate objects across backups, while compression reduces overall storage footprint.

- **No hidden fees:** With Druva, you pay no egress charges or restore fees—meaning there are no surprises.

Flexible Backup and Recovery Options

- **Granular backup and restore:** Instantly backup and recover individual S3 objects, buckets, or specific metadata without restoring the entire dataset.

- **Powerful metadata search:** Instantly find and restore the exact objects you need, across any recovery point, turning a day-long recovery process into minutes.

- **Flexible restore options:** Restore specific objects to the same or a different AWS account or region, or even overwrite the original object in the bucket with full control.

Multi-Cloud Backup Resilience

- **Cloud storage flexibility:** Store Amazon S3 backups in either AWS or Azure storage within the Druva Cloud to support compliance or minimize cloud concentration risk.

Seamless Encryption Management

- **End-to-end encryption:** Druva handles encryption with centralized key management—ensuring data security without complex re-encryption or custom scripting.

To learn more, visit:
https://www.druva.com/solutions/amazon-S3-backup