

Delphix for Amazon Web Services

Accelerate cloud deployments, increase security, and slash operating costs

Challenge

Amazon Web Services promises transformative gains in IT productivity and agility while reducing costs. Organizations, however, face significant data roadblocks in both migrating to AWS and in unlocking its benefits. The Delphix DevOps Data Platform transforms how data is managed for cloud projects, accelerating AWS migration, securing sensitive data, and enabling hybrid cloud architectures faster and more cost-effectively.

Transform Data Operations for AWS

The Delphix DevOps Data Platform enables companies to instantly move, secure, and govern data, significantly improving application delivery. Installing on premises or as an Amazon Machine Image (AMI) in the Amazon Elastic Compute Cloud (EC2), Delphix connects to any major database—including SQL Server, Oracle, ASE, or DB2—and maintains an updated, version-controlled copy of that source. To secure any confidential information in that data, integrated masking allows data operators to easily identify and secure sensitive values, reducing the risk of breach and ensuring regulatory compliance.

Instead of provisioning large, physical datasets to non-production environments, Delphix leverages intelligent block sharing to create secure, virtual copies that take up a fraction of the storage. Virtual copies are packaged into personalized data pods and delivered with API controls—including the ability to instantly refresh, rewind, bookmark, and branch data—allowing consumers to manipulate data at will. Pods are lightweight

Key Benefits

- Shorten AWS migration timelines by up to 50%
- Accelerate application time-to-market by up to 50%
- Reduce storage and related management costs by up to 90%

and can be easily stood up in minutes, torn down, shared with other users, or easily replicated between locations. This gives businesses the flexibility to deploy Delphix capabilities on premises, across any of the AWS Regions, or as a part of a hybrid cloud architecture.

Key Capabilities

Drive Security and Compliance

The Delphix platform provides a complete solution to discover and mask confidential information. Masking replaces sensitive data values with fictitious, yet realistic equivalents, reducing the risk of a potential breach and driving compliance with regulations such as HIPAA, PCI, or GDPR. In cloud migration or hybrid cloud scenarios, the Delphix platform can ensure that only masked data is ever replicated into AWS.

Accelerate Migration

A significant barrier to AWS migration is the large amount of data that needs to be moved into the cloud and then constantly refreshed. Once the Delphix platform is connected to a source, compression and block filtering allow Delphix to minimize the amount of data replicated into AWS during the initial upload. For any required refreshes, Delphix replicates only changed data, eliminating the need for full data transmissions.

Once data has been moved into AWS, migration teams can spin up lightweight, virtual test environments for validation and go-live rehearsal. If needed, migration teams can leverage Delphix virtual-to-physical (V2P) capabilities to automatically create a physical environment for production use.

Enable Hybrid Development and Testing

Delphix can ingest data on premises, automatically secure it with masking, then replicate only incremental changes to AWS—so it's fast and easy to keep data up-to-date in hybrid development and testing environments. Users accessing these cloud-based environments are provided with API data controls that allow them to refresh, rewind, bookmark, branch, and share data as a self service.

Reduce AWS Operating Costs

For environments migrated into AWS and for “born in the cloud” applications, Delphix reduces the cost of AWS compute, storage, and IOPS. Through advanced compression, block filtering, and virtualization, businesses can store 20 virtual environments in the Amazon Elastic Block Store footprint of one physical environment. Delphix also provides a shared IOPS pool across environments, allowing users to avoid paying high IOPS costs for seldom-utilized environments.

