Mainframe Modernization with Precisely + AWS

Modernize business applications by replicating mainframe data to the AWS Cloud in near real time
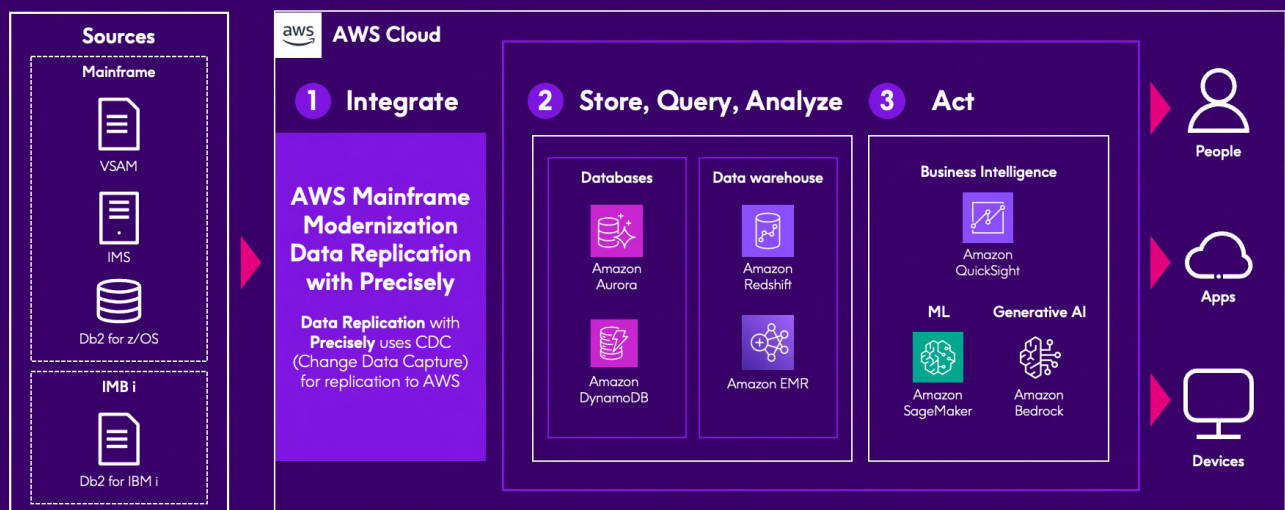
Overview

Because mainframe and IBM i workloads are typically large, synchronization of on-premises data with the cloud requires constant updates with the latest changes. Extracting, moving, and copying data from legacy sources to AWS data and AI services can be difficult – presenting resource, personnel, and investment challenges.

AWS Mainframe Modernization Data Replication with Precisely unleashes mainframe data for innovation with the AWS Cloud by enabling near real-time replication of mainframe data to the AWS Cloud to support accelerated large-scale mainframe modernization, advanced analytics, GenAI, ML, and new channel creation use cases.

Benefits

- Modernize large estates of mainframe applications with trusted data migration and no downtime.

- Break down the silos that confine mainframe data and bring it together with all your enterprise data using near real-time replication that fuels agile business operations.

- Innovate with AWS Cloud services for reporting, advanced analytics, AI and GenAI using critical data from mainframe systems - without migrating mainframe applications.

- Handle network and data-base connectivity loss while also offering automated recovery of CDC workflow without manual intervention.

- Leverage the built-in centralized security, Identity and Access Management (IAM), monitoring, fail-over protection, and data sovereignty enabled by AWS Cloud database destinations.
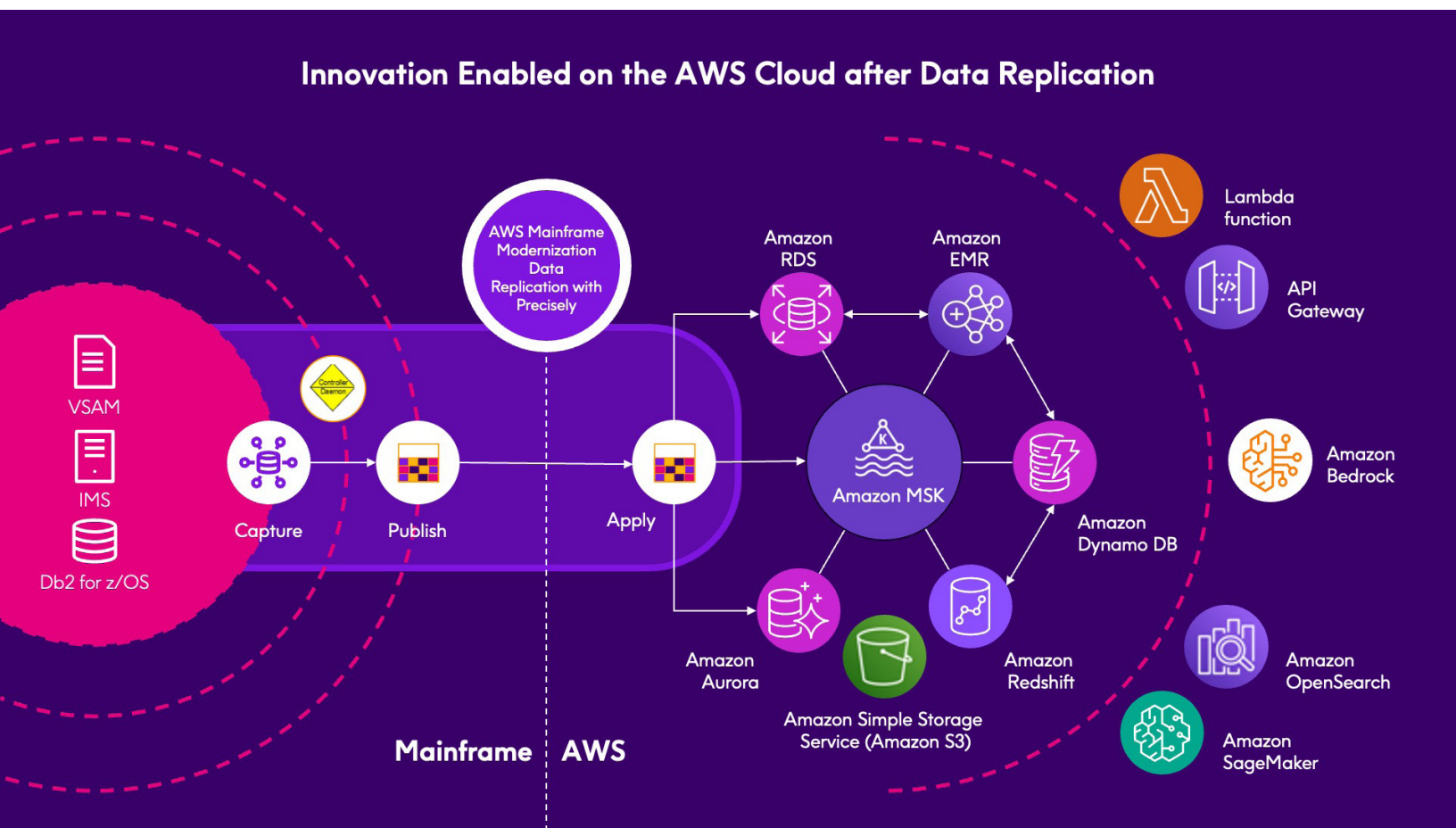
How it works

Quickly replicate the data into purpose built datastores on AWS to generate business value

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Supported Use Cases

- Combine mainframe data with all other enterprise data – on AWS

- Innovate with AWS-native data services for reporting, advanced analytics, Generative AI and ML using critical data from mainframe systems

- Collaboration with AWS ProServe and strategic SI partners to refactor and/or replatform applications that previously ran on the mainframe, to now run on AWS

Joint Customers

- **Citizens Bank:** Delivered an enhanced 'Digital Bank' experience by providing a consistent and accurate data to customers across channels; and reduced mainframe MIPS usage and operating costs.

- **Sun Life Financial:** Saved $1.8 M in costs annually, lowered MIPS, eliminated existing batch ETL workflows, launched a Customer 360 project with Salesforce and built a foundation for future innovation.

- **AAA Life:** Transformed policy processing and customer analytics systems supporting 1.5 M active policies by unifying data on the AWS Cloud in near real time.

- **Payments Processor in North America:** Modernized mission-critical banking operations such as payments, transfer, to AWS Cloud to enhance user experience, scalability, and maintainability without backpressure on mainframe systems.

Innovation Enabled on the AWS Cloud after Data Replication

Additional Highlights

- **Consumption-based pricing:**
  Only AWS Mainframe Modernization Service offers customers real-time data replication, at a cost based on usage

- **Native AWS Solution:**
  Works with all mainframe and i Series data sources (IMS, VSAM, Db2z, Db2i) and integrated with AWS CloudWatch, RDS, and MSK

- **Real-time data access at scale:** Near real-time replication makes mainframe data accessible to a wide range of business applications that power timely business insights and operations