Accelerating data migration to AWS cloud

TCS AWS Business Unit

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Enterprises with on-premise, legacy databases are facing challenges that include:

- Need for higher storage capacity with increasing data volumes
- Slow access to data on legacy systems for analytics and decision making
- Unplanned downtime, siloed data systems, expensive license charges of legacy data systems
- Security maintenance overheads
- Low performance and costly scalability of on-premise databases
- Long turnaround time to scale database capacity for on-premise, legacy models
Cloud - the default platform for database management

Data is more robust and insightful on cloud than in legacy systems. Cloud offers new dynamics of making the most out of data.

- Enterprises are looking to process data in real-time with advanced analytics to support agile decision making
- Data access controls, security and data loss management are some vital parameters ensuring data integrity on cloud
- Enterprises are moving towards a machine learning-driven data paradigm

BY 2022

75% data bases will be deployed or migrated to a cloud platform

5% data bases will be considered for repatriation to on-premises

Cloud-based, modernized data infrastructure

**High Cost**
Expensive hardware, stringent licensing, intrusive audits

**Hard to Change**
Difficult to introduce new application development, processes across teams, and mine insights

**Fragile**
Unable to meet availability, scale demand, support 24X7 customer engagement

**Cost Savings**
Offered at one-tenth the cost of commercial databases

**Fully Managed**
Automated server provisioning, patching, configuration and backups

**Top Performance**
Relational databases that are 3-5 times faster than popular alternatives
Bespoke data migration and modernization paths to AWS cloud

Enterprises can choose bespoke lift-and-shift, move-to-managed, or migrate-and-modernize paths to AWS cloud.

- Enterprises must make a planned and strategic shift of data to cloud
- Organizations must become aware of data and application dependencies to minimize downtime
- Understand future financial commitments on cloud through predictive cost modeling
- Uncover how lines of business (LoB) can leverage the best database types and analytics suited to business needs
- Automate target state build and minimize human effort during operative steps such as provisioning instances
- Plan an AI-ML, access and security blanket while operating on cloud
Data migration to AWS cloud database

Enterprises can choose a suitable data platform on AWS that supports data types like relational data, key-value driven, document, in-memory, graph, time-series and ledgers. The benefits include:

- No upfront payment
- Pay only for what you consume
- Save up to 30% costs over capex
- Eliminate overprovisioning costs
- Align IT cost to business demand
- Improve utilization and forecasts
- Provide detailed usage information allowing predictive cost allocation
- Offer choices for flexible technology delivered as-a-service
- Enable 65% faster time-to-market
- Available for use in minutes
- Eliminate long procurement process
TCS value enhancers for a faster path to AWS cloud

We use TCS Cloud Counsel, a recommendation framework that enables business aware and platform-agnostic data estate assessment.

We work with a cloud design digital toolkit to accelerate building cloud foundation on AWS. It leverages reusable templates for cloud standards and tool kits for cloud automation and infrastructure-as-a-code.

We help enterprises move data to cloud by using a factory-based, automation-first model for migration of enterprise applications, including database and end-user workspace.

We use TCS MasterCraft™ DataPlus to ensure integrated data management that enables trustworthy and privacy-safe data on AWS cloud.
Building data-driven ecosystems with TCS

- Each enterprise is unique in its journey to cloud
- Enterprises must become aware of their data estate and strategize move to cloud to analyze data and drive decisions faster
- Management of data on cloud is easier with AI tools from AWS and is cost effective
- Data security on cloud is the need of the hour
- Development of distributed data platforms and collaboration on business models with partners
Thank you

Write to us to get you started on your data journey to AWS
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