TATA CONSULTANCY SERVICES

Building on belief

Accelerating data migration to AWS cloud

TCS AWS Business Unit

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Trends that drive data to cloud

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
- Low performance and costly scalability of on-premise databases
- Unplanned downtime, siloed data systems, expensive license charges of legacy data systems
- Long turnaround time to scale database capacity for on-premise, legacy models
- Security maintenance overheads

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

data bases will be deployed or migrated to a cloud platform

data bases will be considered for repatriation to on-premises

Source: Gartner report on 'The Future of the Database Management Systems Market Is Cloud' (Nov 2020)

Cloud-based, modernized data infrastructure

High Cost

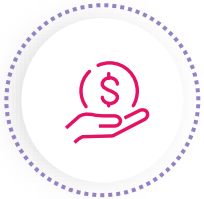
Expensive hardware, stringent licensing, intrusive audits

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

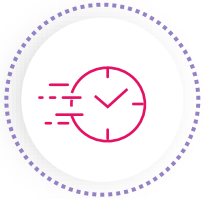


Cost Savings

Offered at one-tenth the cost of commercial databases

Fully Managed

Automated server provisioning, patching, configuration and backups



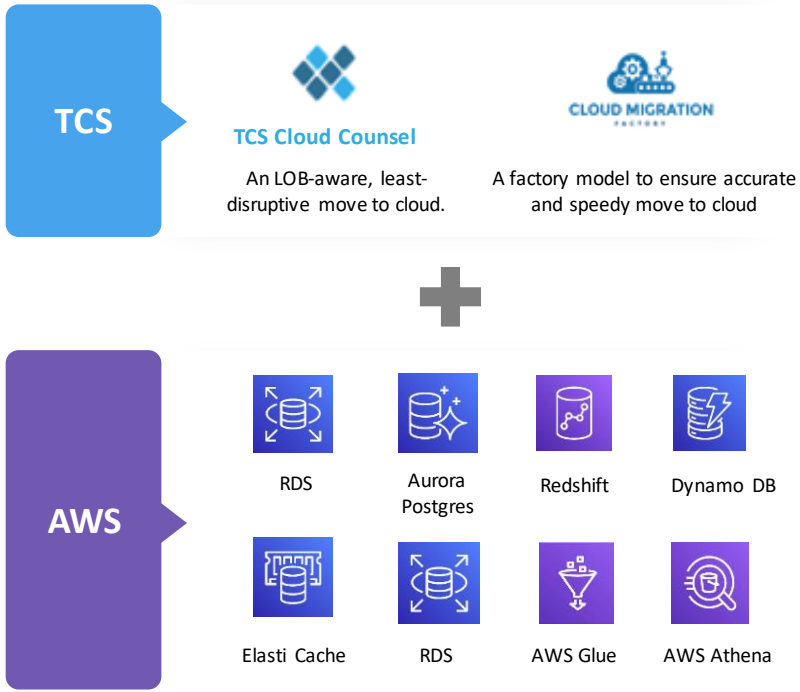
Top Performance

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

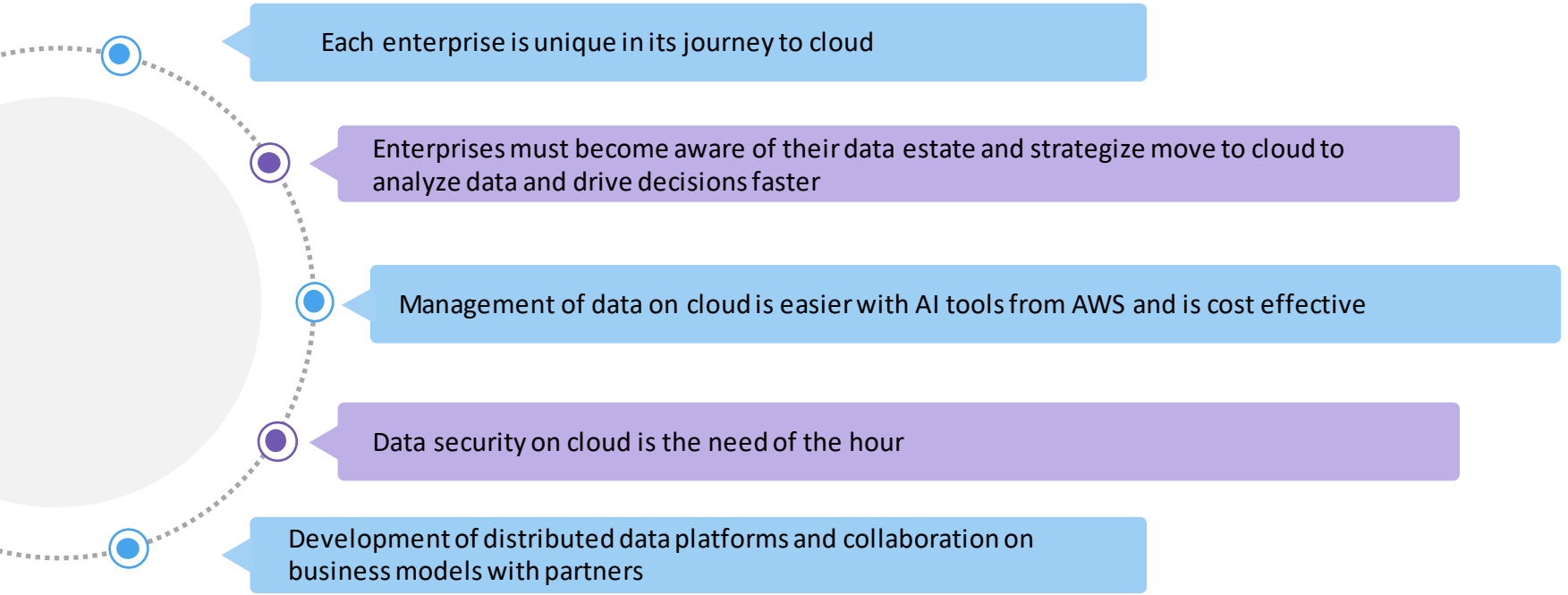
We use TCS Cloud Counsel, a recommendation framework that enables business aware and platform-agnostic data estate assessment

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



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Thank you

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