QUADRANT

Capabilities

OSS Data Migration

Azure Migration Solution

Assessment - Analyze Application, Database, Infrastructure and Workloads to develop Migration Roadmap.

Application Migration & Integration

- **Rehost** - Lift and Shift application with minimal or no code changes
- **Replatform** - Utilize Azure Infrastructure capabilities to improve performance and reduce cost
- **Rearchitect**- Rebuild the code with cloud native approach to maximize cloud benefits and performance

Database Migration & Integration

- **Rehost** - On Prem to Cloud IaaS / PaaS Database migration
- **Replatform** - Licensed Databases to Open-Source Database (Postgres , My SQL ,Maria DB) migration
- **Rearchitect**- Database architecture changes like partitioning, Hyperscale, NoSQL, Microservice, ADL etc.

Other Workload Migration

- Application DAL changes
- ETL migration or Rehost
- Analytics and Reports Migration

Cloud Infrastructure & Engineering

- **Landing Zone** - Rapidly set up platform by deploying secure, resilient and governed Landing Zone
- **Infrastructure Migration** - Create environments quickly using templates.
- **Disaster Recovery** – Design, Develop and Test Disaster Recovery Plan.

Automation

- **Infrastructure as Code:** Create environments on demand.
- **CI/CD using DevOps** - Continuously build and deliver using CI/CD pipelines.
- **Test Automation** – Build test automation suite for Regression and SIT.
- **Load Testing**- Build load testing for critical workloads to measure performance against on-prem and to right size infrastructure.

Hypercare – Warranty, Training, Monitoring and Support

Quadrant Migration Strategy

	Assessment	Pilot	Rehost	Refactor	Rearchitect
Goal	Analyze the application and data infrastructure, which can then be used to develop a roadmap for migration to the cloud.	Validate the foundation of the architecture and mitigate any potential risk.	Migrate/Rehost with minimal or no code changes in application.	Optimize Azure Infrastructure and Application to reduce cost and improve performance with minimal code changes.	Rearchitect/Rebuild using new code with cloud native approach
Objectives	Reference Architecture TCO & ROI Migration Plan Operation Readiness	Technical Feasibility Performance Measurement Business User Impact	Lift and Shift Cloud Hosting (IaaS) DBaaS High Availability Disaster Recovery Decommissioning	PaaS Automatic Scaling of Infra Cloud Services Usage Cloud Native Networking Cost Optimization Policies and Compliance	Customer Experience Transformation Microservice Architecture Hyperscale / DB Partitioning Analytics
Benefits	- Identify Challenges and Gaps - Determine roadmap - Define strategy to move to cloud - Overall Cost estimation	- Build Confidence - Fine tune plan and execution for next phase. - Develop working model/relationship.	- Accelerated path to Cloud. - Reduced Maintenance. - Performance Improvement. - No Oracle license costs .	- Reduce legacy application footprints and refactor code for cloud elasticity. - Leverage real cloud capabilities	- Maximize cloud benefits - Accelerated Delivery - Supports high performance scalable workloads designed to support fast pace of change

Migrator

Q Migrator – Migration Accelerator

Migrate with Confidence

Q-Migrator is a web-based tool for migrating on-prem or cloud databases such as Oracle/SQL Server to Open-source databases like PostgreSQL / MySQL / MariaDB to Azure. It handles all the aspects of Database migration from client on-boarding to assessment, schema conversion, deployment, and testing. The entire migration process, including any manual code conversions, can be streamlined to expedite the migration.

Client

Assessment

Migration

Validation

Deployment

Reports

Quadrant Migration Strategy

Storage Object Conversion

Code Object Conversion

Data Masking

Data Migration

Data Validation

Functional Testing

Performance Testing

Features

- Automated assessment reports
- Best in class code conversion tool
- Inbuilt data migration and data validation tool
- Handles large and complex data migrations
- Automated deployments for Manual conversions
- Functional and Performance testing is built into the tool.
- Secures code and data ,protects PII data.
- Data Access Layer changes to support new databases.

Benefits

- Up to 80% cost savings in database migration
- Automated Assessment helps in quick decision making
- Expedited migration due to automation
- Streamlined process for handling migration issues
- Tracks the progress of migration
- Migration Reports and Dashboards

Migrator

Thank You!

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