Migrate Maria DB to MySQL

QUADRANT

As organizations seek to modernize their databases and migrate from end-of-life MariaDB to MySQL on Azure, Quadrant offers a comprehensive solution with our proprietary Q-Migrator tool. Our detailed offering includes assessment, cost and infrastructure estimation, and migration reports, ensuring a seamless transition with minimal disruption.

Assessment

1.Database Inventory: Cataloging all existing databases, tables, stored procedures, and other critical components.
2.Performance Analysis: Evaluating current performance metrics to identify bottlenecks and areas for optimization.
3.Dependency Mapping: Identifying all dependencies and integrations with other applications and systems.
4.Compatibility Check: Ensuring compatibility between MariaDB and MySQL to address any potential issues before migration.

Cost & Infrastructure Estimation

1.Resource Allocation: Determining the necessary Azure resources (compute, storage, networking) to support your new MySQL environment.
2.Cost Analysis: Providing a comprehensive cost analysis, including one-time migration costs and ongoing operational expenses.
3.Scalability Planning: Advising on scalable infrastructure options to accommodate future growth and changing business needs.
4.Licensing Considerations: Assessing and planning for any licensing requirements or changes.

Migration Reports

Our Q-Migrator tool generates detailed migration reports, offering transparency and insight throughout the migration process. These reports include:
1.Migration Plan: A step-by-step migration plan outlining the entire process, from preparation to completion.
2.Progress Tracking: Regular updates and progress tracking to ensure the migration stays on schedule.
3.Data Integrity Verification: Comprehensive checks to ensure data integrity and accuracy post-migration.
4.Issue Resolution: Detailed logs and reports on any issues encountered during migration, along with resolution steps taken.

Implementation Support

Our team of experts is with you every step of the way, providing:
1.Project Management: Dedicated project management to oversee the entire migration process.
2.Technical Support: Access to our team of database migration specialists for troubleshooting and guidance.
3.Training: Training sessions for your team to ensure smooth operation and management of the new MySQL environment.
4.Post-Migration Support: Ongoing support post-migration to address any issues and ensure optimal performance.

Quadrant Technologies
5020 148th Ave NE, Suite 250 Redmond , WA 98052
Email : migrations@quadranttechnologies.com
Website : www.quadranttechnologies.com

Q-migrator Features Details

- **Automated Assessment**: Q-migrator's Assessment feature will discover, scan, and analyzes the source data to determine the effort required for cross database migration, Recommendations are provided for any complexities converting from source to target databases. Architecture review, TCO, ROI, and migration plan are covered as part of Executive Assessment Summary Report.

- **Automated Schema Conversion**: Q-Migrator schema conversion engine reads converts the source database schema to its equivalent schema of the target database. The schema conversion engine follows the below process

- **Schema analysis**: This involves analyzing the existing schema to identify the data types, relationships, and other structural elements.

- **Mapping**: This involves mapping the elements of the existing schema to the target schema, identifying any differences or inconsistencies between source and target.

- **Conversion:** This involves using software tools to convert the existing schema to the target schema, making any necessary modifications to the data types, relationships, and other elements.

- **Validation**: This involves validating the converted schema to ensure that it is accurate and complete, and that all required data elements are present.

- **Data Migration**: Migrate large databases efficiently, This automated approach can streamline the data migration process, reduce the risk of errors and data loss, and save time and resources. Overview of some efficiencies are

- **Increased speed and efficiency**: Automated tasks involved in the tool significantly reduce the time and resources required to transfer large amounts of data to the cloud.

- **Improved accuracy and consistency:** Q-migrator ensures that the data is transferred accurately and consistently, without errors or inconsistencies that can arise from manual data migration.

- **Reduced risk of data loss or corruption**: Q-Migrator can help minimize the risk of data loss or corruption during the migration process.

- **Scalability and Flexibility**: Q-migrator can be easily scaled up or down as needed, allowing organizations to transfer large amounts of data quickly and efficiently, without requiring significant infrastructure or resources.

- **Reduced costs:** Automated data migration will minimize the costs associated with data migration, such as manual labor, hardware, and infrastructure.

Quadrant Technologies
5020 148th Ave NE, Suite 250 Redmond , WA 98052
Email : migrations@quadranttechnologies.com
Website : www.quadranttechnologies.com

Migration Strategy

QUADRANT

	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 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

Quadrant Technologies
5020 148th Ave NE, Suite 250 Redmond , WA 98052
Email : migrations@quadranttechnologies.com
Website : www.quadranttechnologies.com