

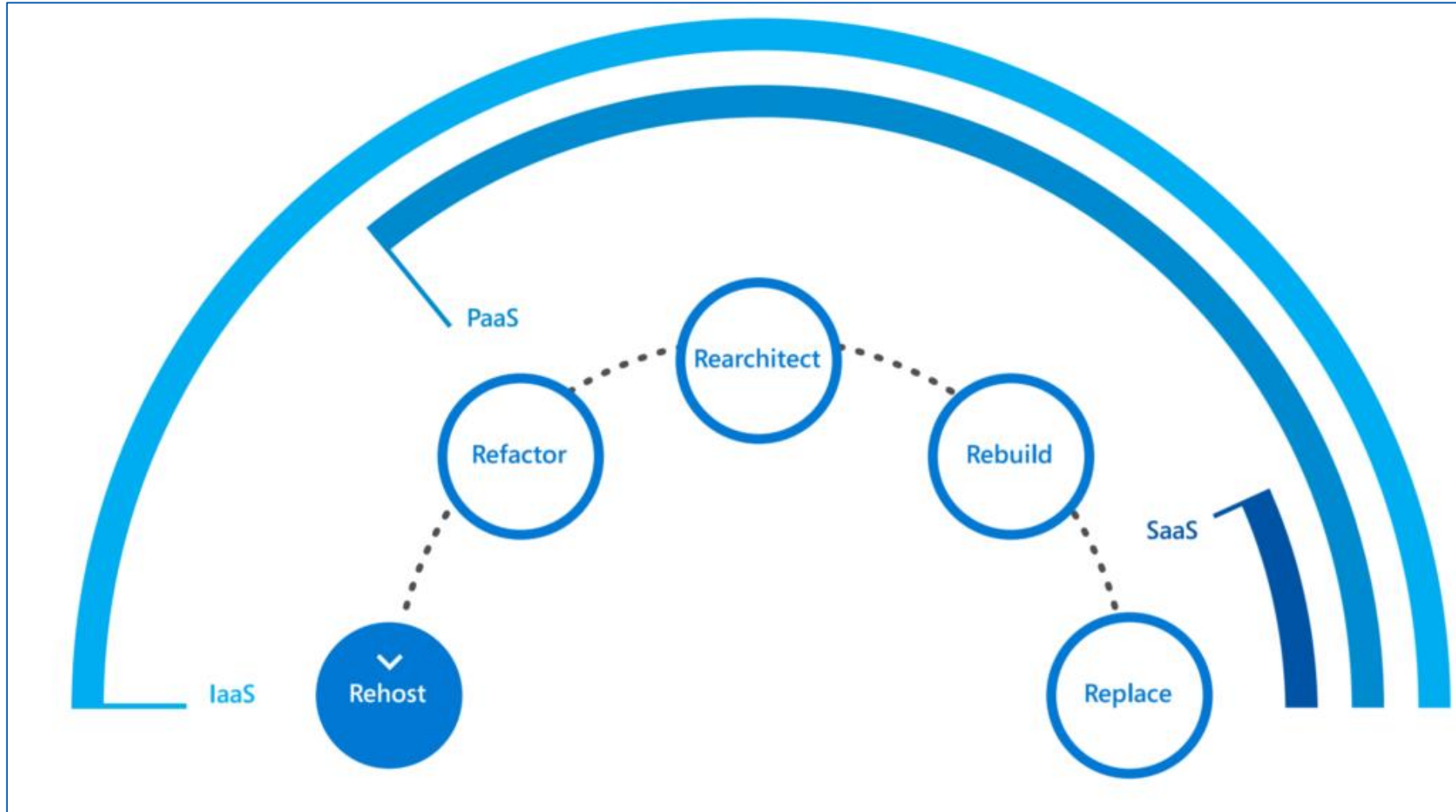
LUXEMBOURG

From SQL On-Premises to the Cloud

Making the Move to Azure

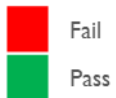
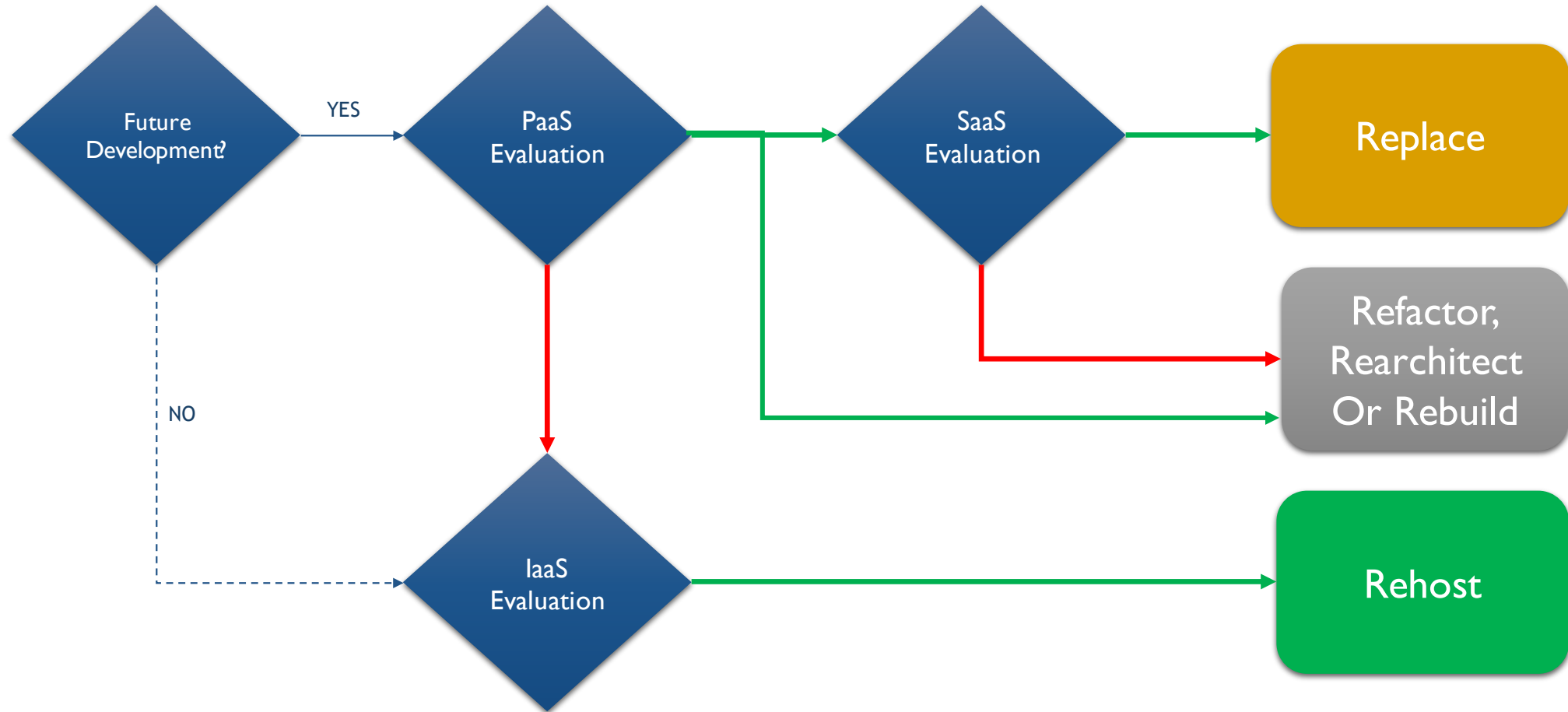
Full SQL on-premises to Azure Migration Service

Strategies for Migrating to Azure



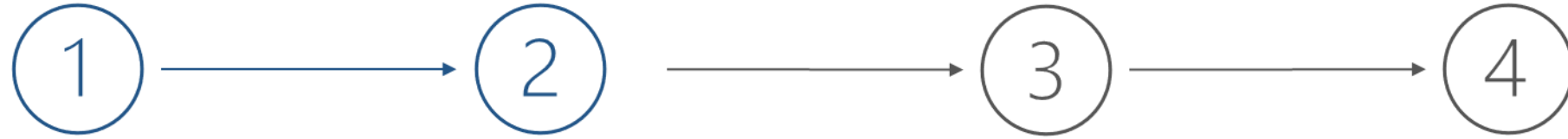
*Migration Strategies

Strategies for Migration: Defining Your Best Option



*Migration Process Decision

Key Phases of a Data Migration Process



Assess

Migrate

Optimize

Secure and manage

Evaluate the needs

Create a migration plans

Evaluate the costs

Evaluate the resource needed
(CPU, memory & storage)

Migration plan

Choose the type of migration

Configure cloud environment

Migration of the server

Migration of the data

Migration of the analytical tools

Optimize the costs

Review schedule process

Reinvest time and resources no
longer used

Get to know the security in
Azure : user management,
access,...

Discover tools : Azure Key Vault,
Azure Sentinel, Microsoft
Security,...

Put measure in place :
encryption, backups, disaster
recovery

Monitor performance of traffic
and compute

Rehost / Lift and Shift

Scenario: Moving applications from the on-premise environment to the cloud with no changes to the underlying application.

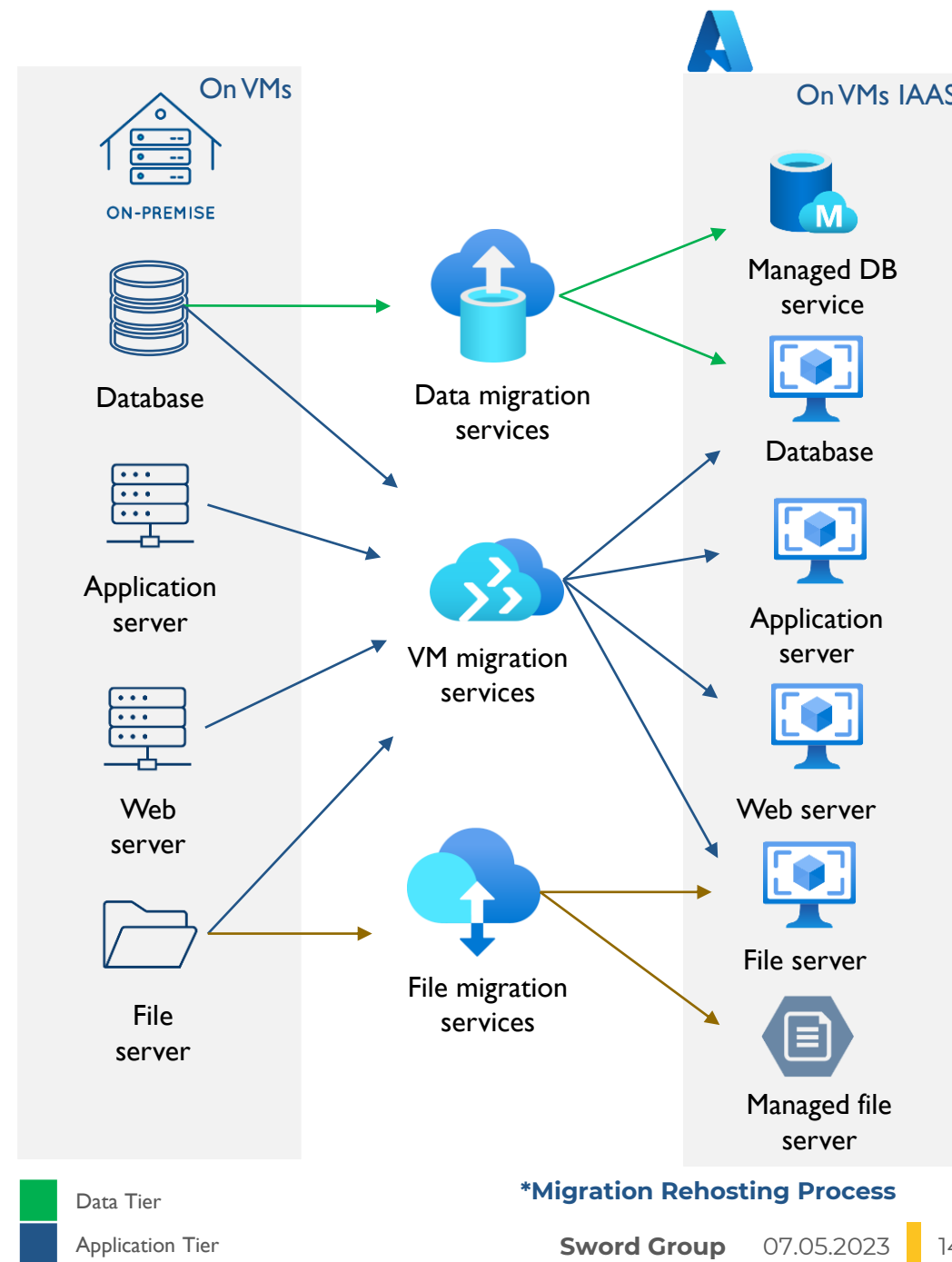
Suitable for: Legacy migrations, teams with limited cloud or Azure skills.

✓ Smaller risk of breaking the application, faster and easier migration.

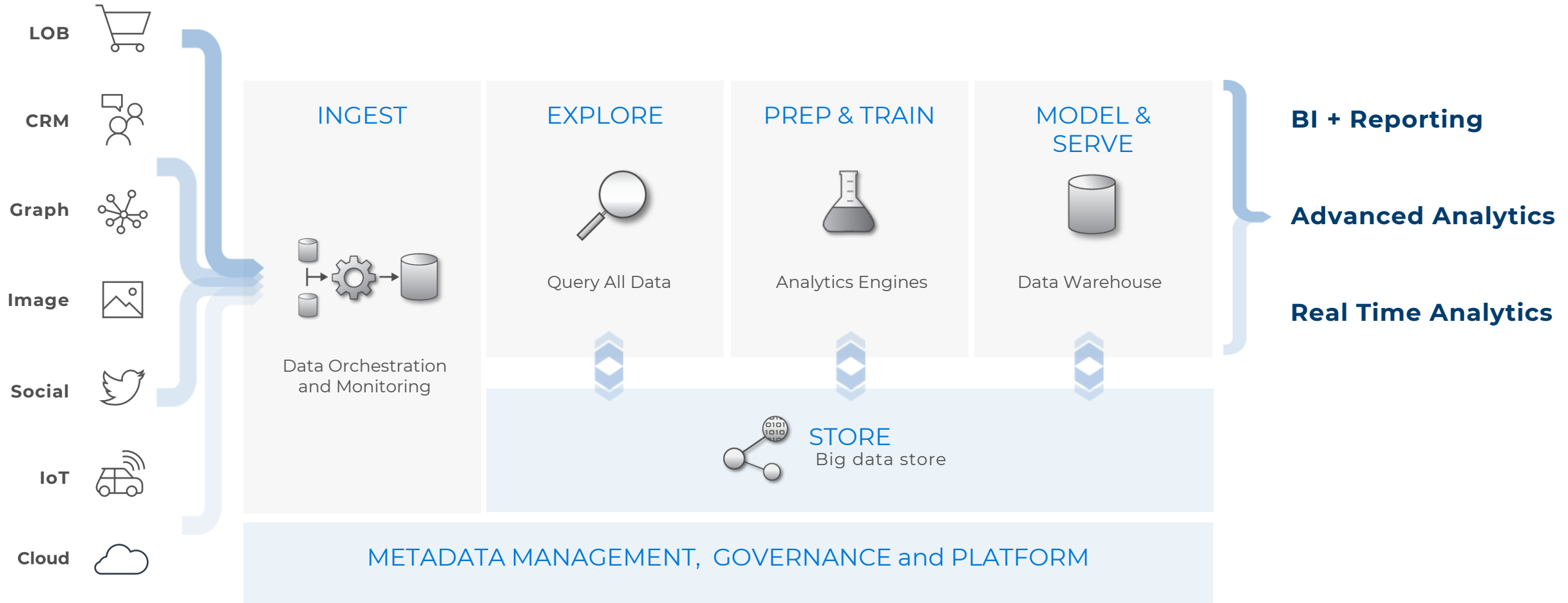
✗ Applications might use cloud resources less efficiently and be more difficult to scale and extend.

Steps to rehost SQL Server to Azure:

1. Assess the current SQL Server instance
2. Choose the Azure SQL deployment option
3. Prepare the Azure environment
4. Migrate / Optimize / Test the SQL Server instance for Azure



Essential Modern Data Warehouse Architecture Basics



*Modern Data Warehouse – Logical Architecture