

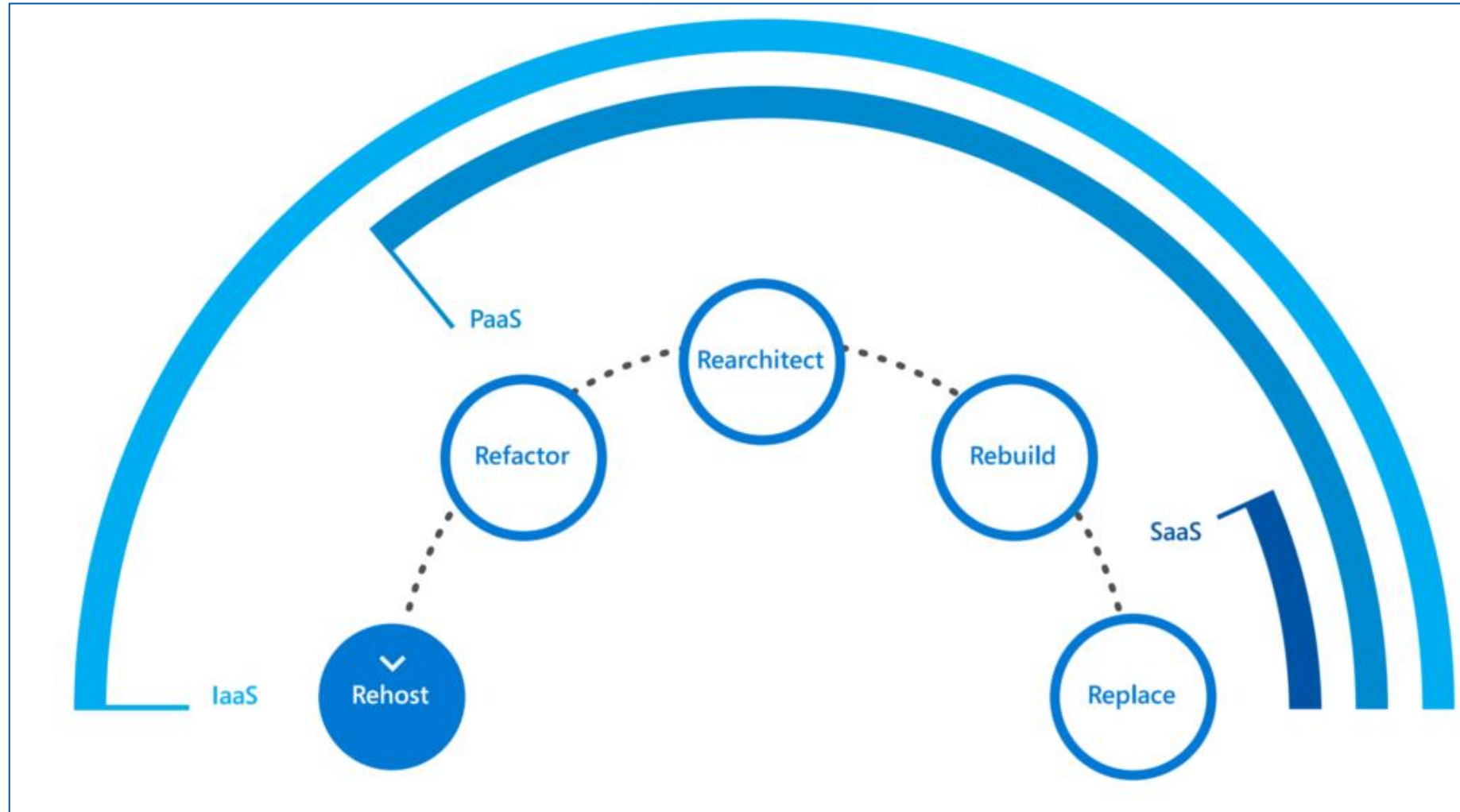
LUXEMBOURG

From SQL On-Premises to the Cloud

Making the Move to Azure

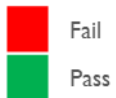
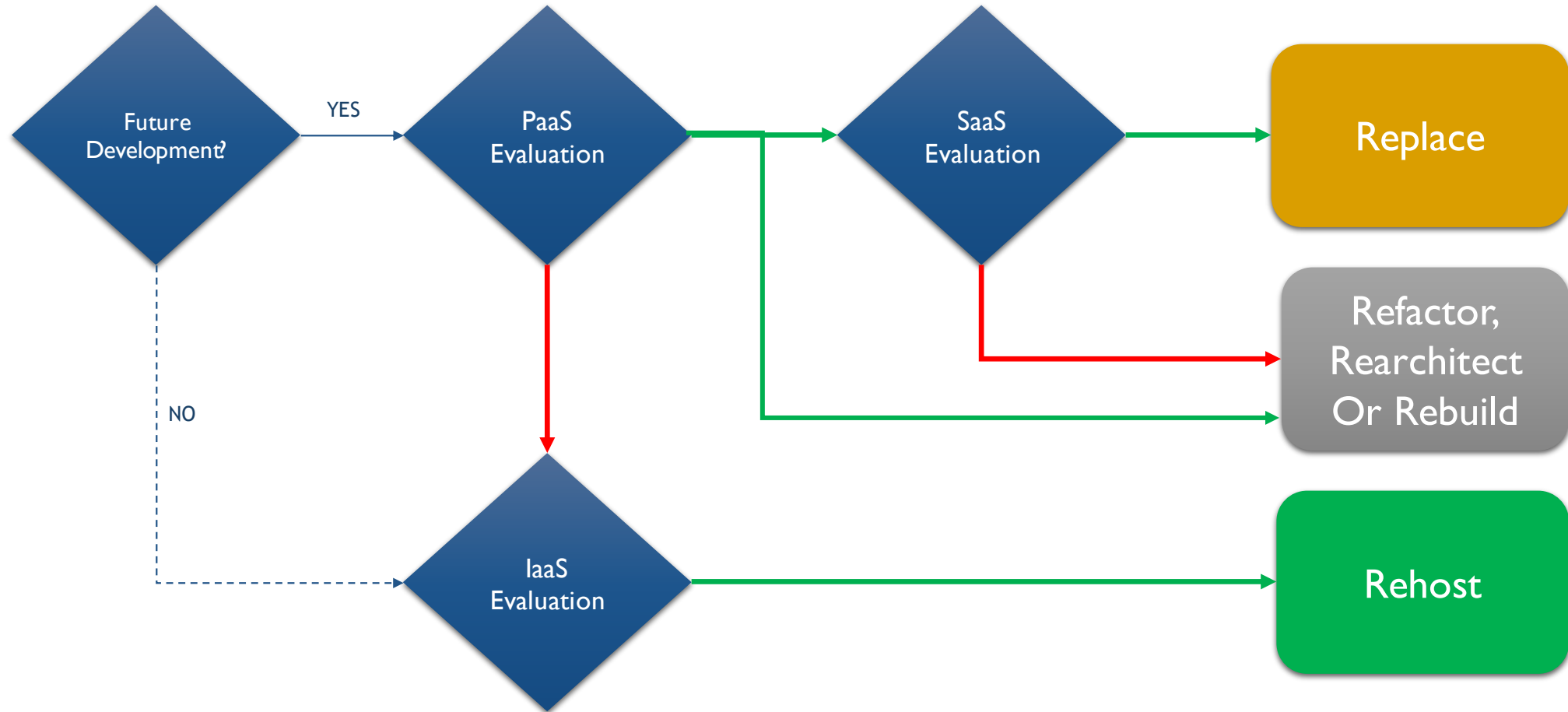
Customized SQL on-premises
to Azure Migration Solution

Strategies for Migrating to Azure



*Migration Strategies

Strategies for Migration: Defining Your Best Option



*Migration Process Decision

Key Phases of a Data Migration Process



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

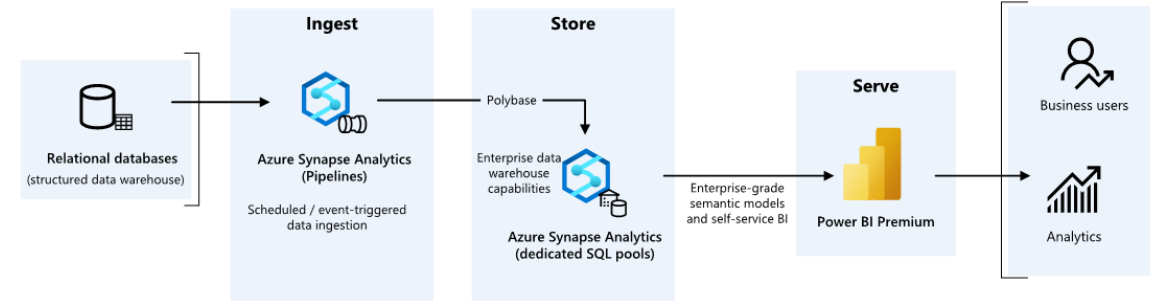
Rebuild

Scenario: Putting aside the old application and building the same functionality from scratch using the Azure Platform as a Service (PaaS) capabilities. Leverage services like Azure Functions and Logic Apps to build the application tier, and use Azure SQL Database or other hosted Azure data services for the data layer.

Suitable for: Applications with relatively low complexity and few dependencies on other business processes.

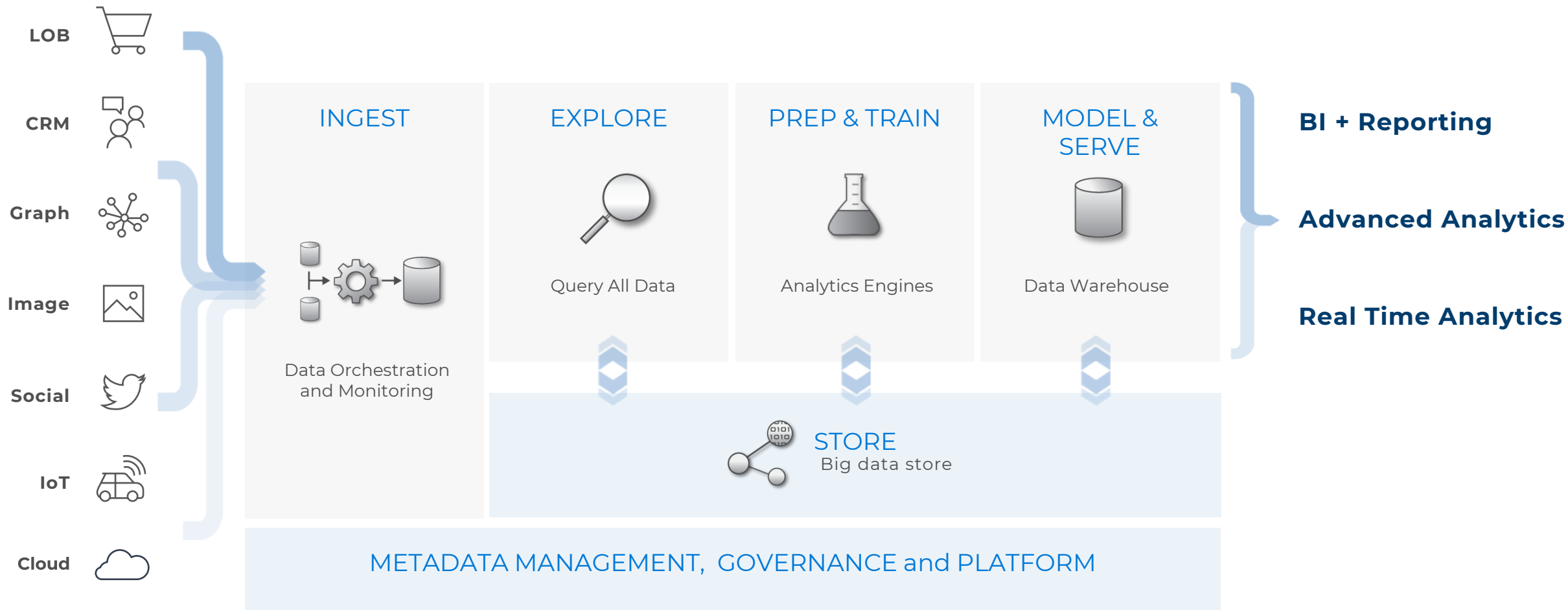
✓ Inexpensive, avoids the complexity of software licenses. No dependency on middleware or existing infrastructure.

✗ Not get the same level of functionality as in a custom-built app. Evaluate in advance which parts of the app can be successfully rebuilt in the Azure environment and which cannot.



***Migration Rebuild Process**

Essential Modern Data Warehouse Architecture Basics



*Modern Data Warehouse – Logical Architecture