Microsoft

LUXEMBOURG

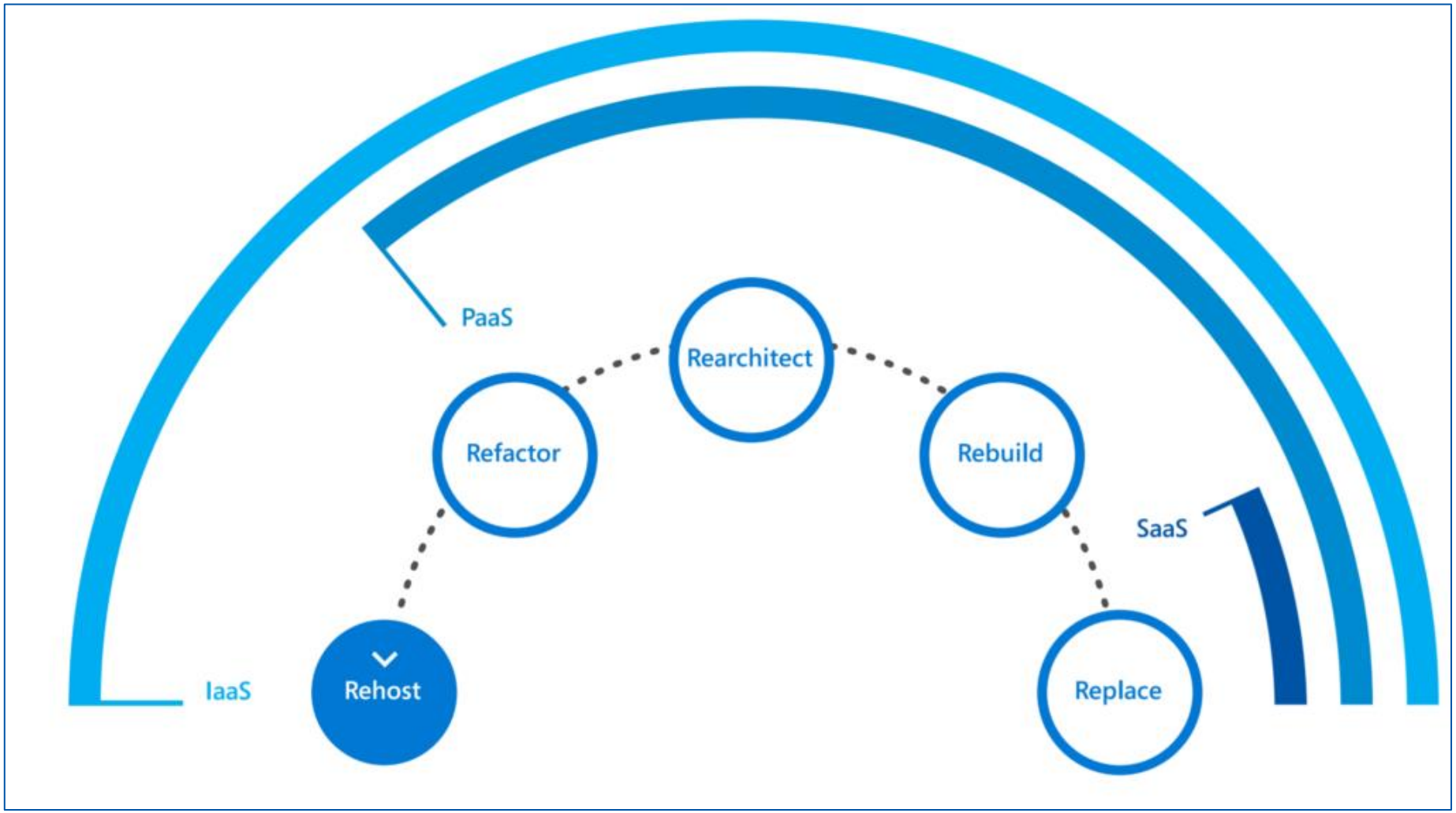
From SQL On-Premises to the Cloud

Making the Move to Azure

Streamlined SQL on-premises to Azure Migration Solution

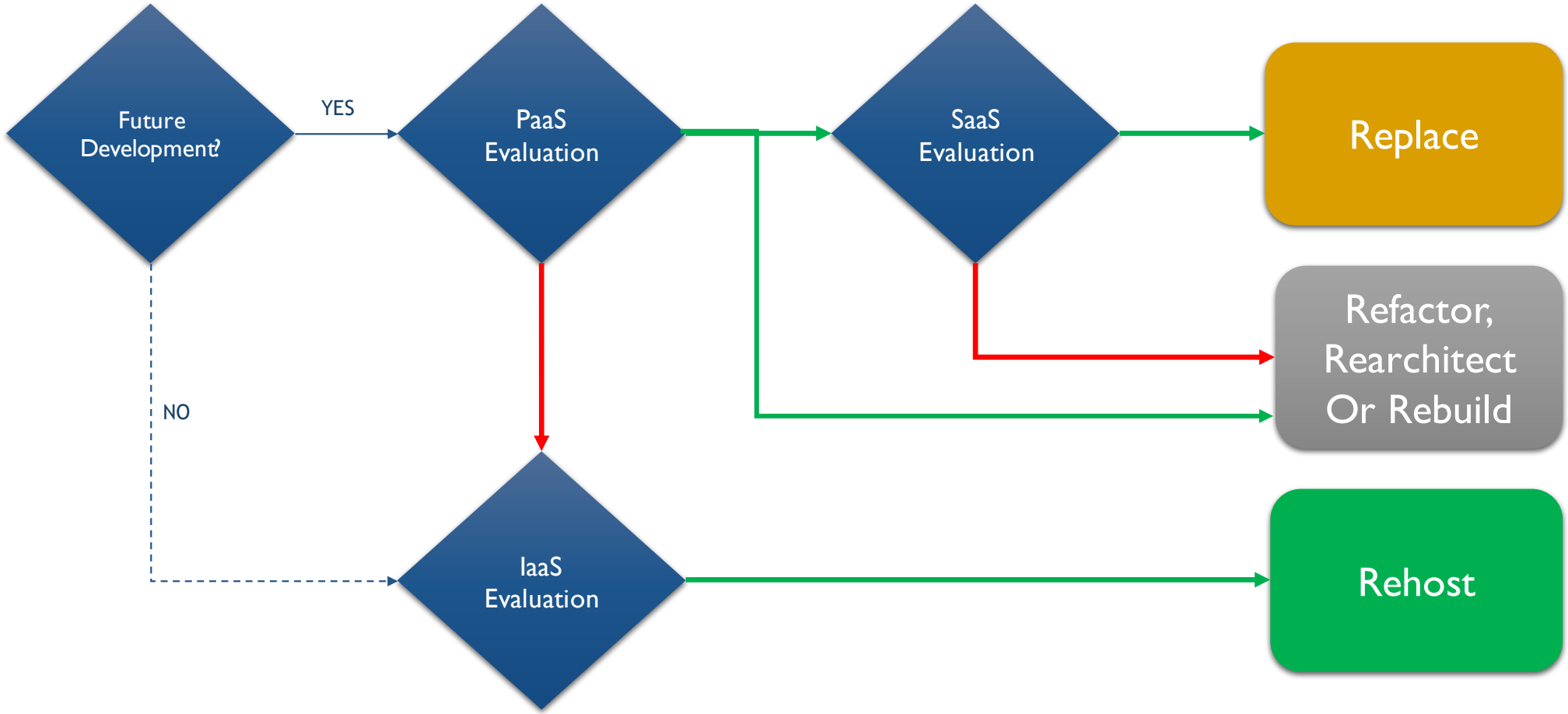
SWORD
UPGRADE YOUR BUSINESS

Strategies for Migrating to Azure



*Migration Strategies

Strategies for Migration: Defining Your Best Option



Fail

Pass

*Migration Process Decision

Key Phases of a Data Migration Process

1 Assess

- Evaluate the needs
- Create a migration plans
- Evaluate the costs
- Evaluate the resource needed (CPU, memory & storage)
- Migration plan

2 Migrate

- Choose the type of migration
- Configure cloud environment
- Migration of the server
- Migration of the data
- Migration of the analytical tools

3 Optimize

- Optimize the costs
- Review schedule process
- Reinvest time and resources no longer used

4 Secure and manage

- 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

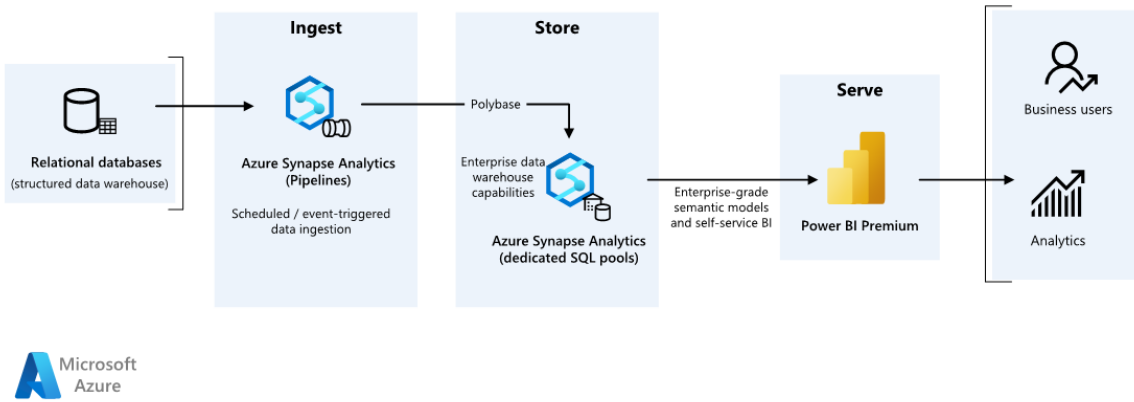
Rebuild

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.

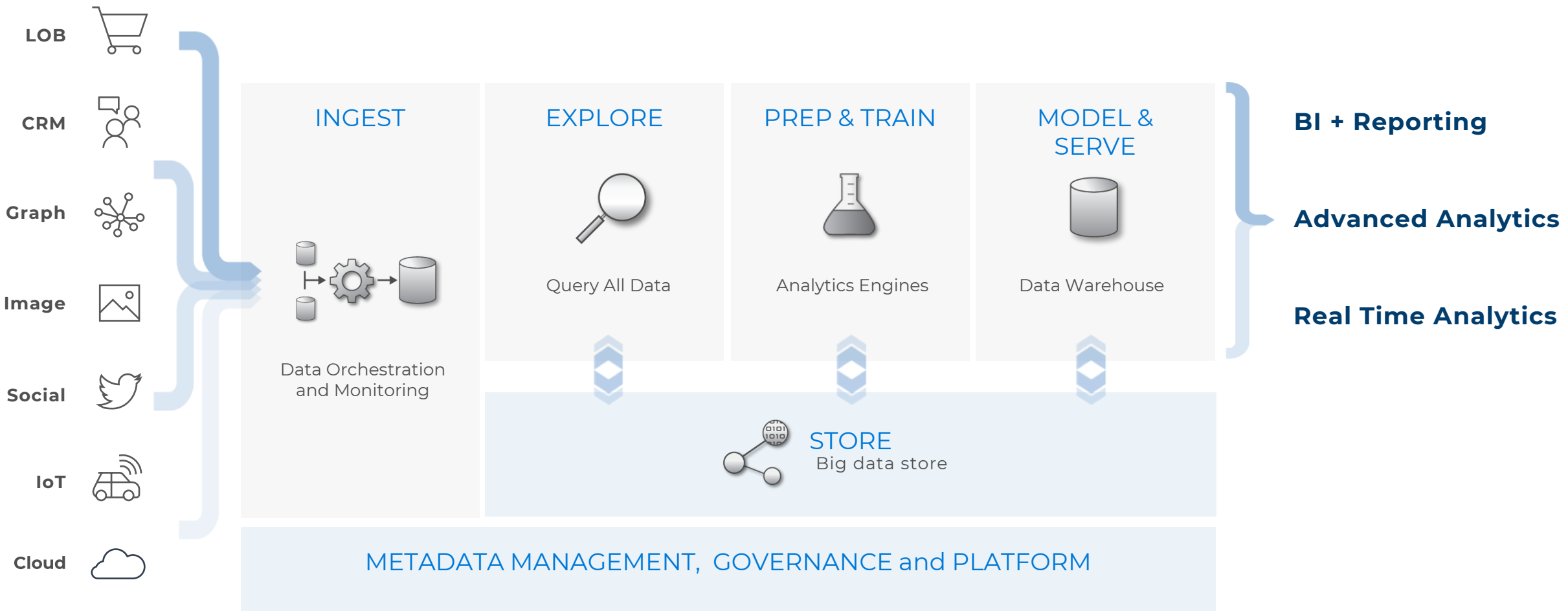
✓ Inexpensive, avoids the complexity of software licenses. No dependency on middleware or existing infrastructure.

✗ 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