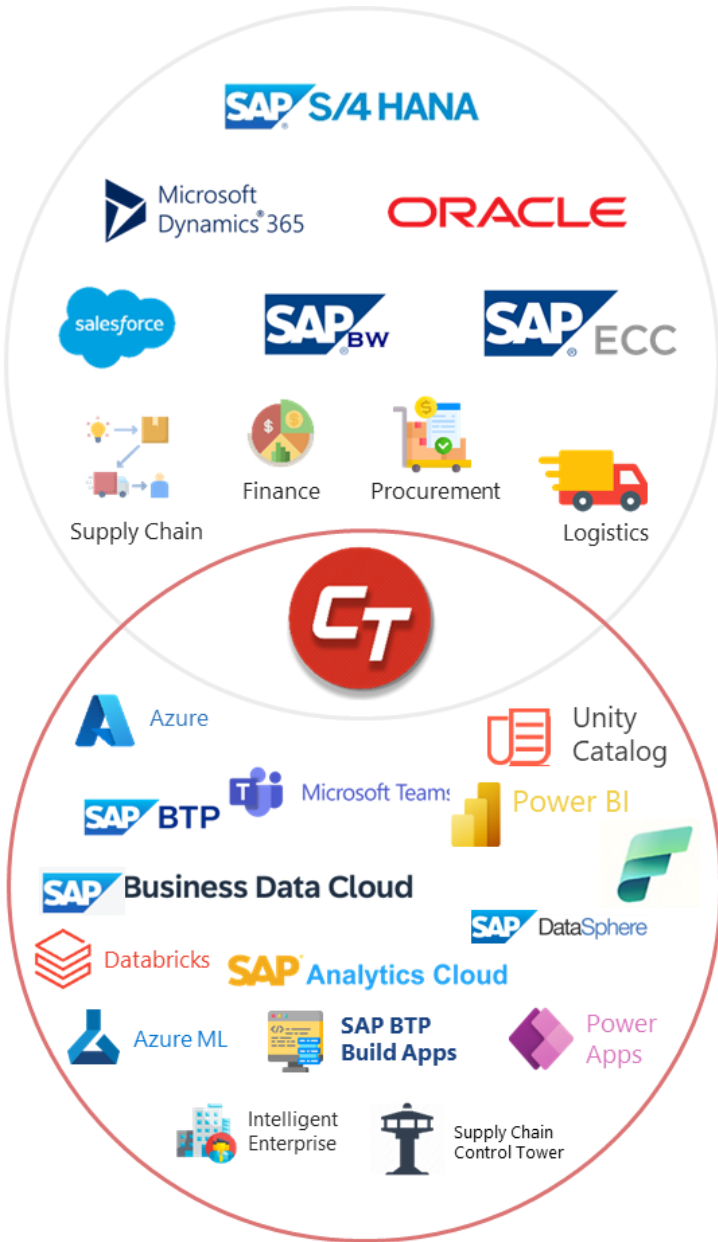




CT Visa: Migration Accelerator for Azure Synapse to Microsoft Fabric

Traditional Enterprise meets Modern Cloud Solutions



Microsoft AI
Partner of the Year - Global

Microsoft Rising Star
Partner of the Year - APAC

Microsoft Country
Partner of the Year - India

Microsoft AI
Partner of the Year - India

Azure Data AI
Partner of the Year - Malaysia




Databricks
Partner of the
Year - APJ

Partnerships



 **3000+**
Employees

 **1550+**
Azure
Certifications

 **500+**
Data Scientist
Certifications

 **1000+**
Databricks
Certifications

 **Advanced
Specialization**

- AI & Machine Learning
- Advanced Analytics
- Infra Migration to Microsoft Azure
- Kubernetes
- Cloud Security
- SQL server and Windows Migration server and Windows Migration

**Industries
We Serve**


Manufacturing


Retail & CPG


Financial
Services


Energy &
Sustainability


Healthcare &
Life Sciences


Media &
Entertainment


Education

Global Presence

Americas | Europe | Middle East | APAC (India, SEA, Australia, Japan)



Data, AI, Apps & Infra



Big Data (ADX, Cosmos)



Fabric



Open AI



Cognitive Vision



Databricks



AI/ML



Azure VM



Azure



DC Migration



VPN Gateway



Load Balancer



SQL Database



Application Modernization



Azure DevOps



Super Apps

Reduced Cost, Faster Development, Insightful Data



Security



Identity Governance



Microsoft Entra ID



Multi-Factor Authentication



Endpoint Management



Azure Sentinel



Zero Trust



Defender for Cloud



Defender for Cloud Apps



Defender for Endpoint



Microsoft Purview



Azure Policy



Defender XDR

Secure your Data and your business



Modern Workplace & Business Apps



Microsoft Viva



CoPilot



SharePoint



Microsoft Teams



Power Apps



Power Platform



Power Automate RPA



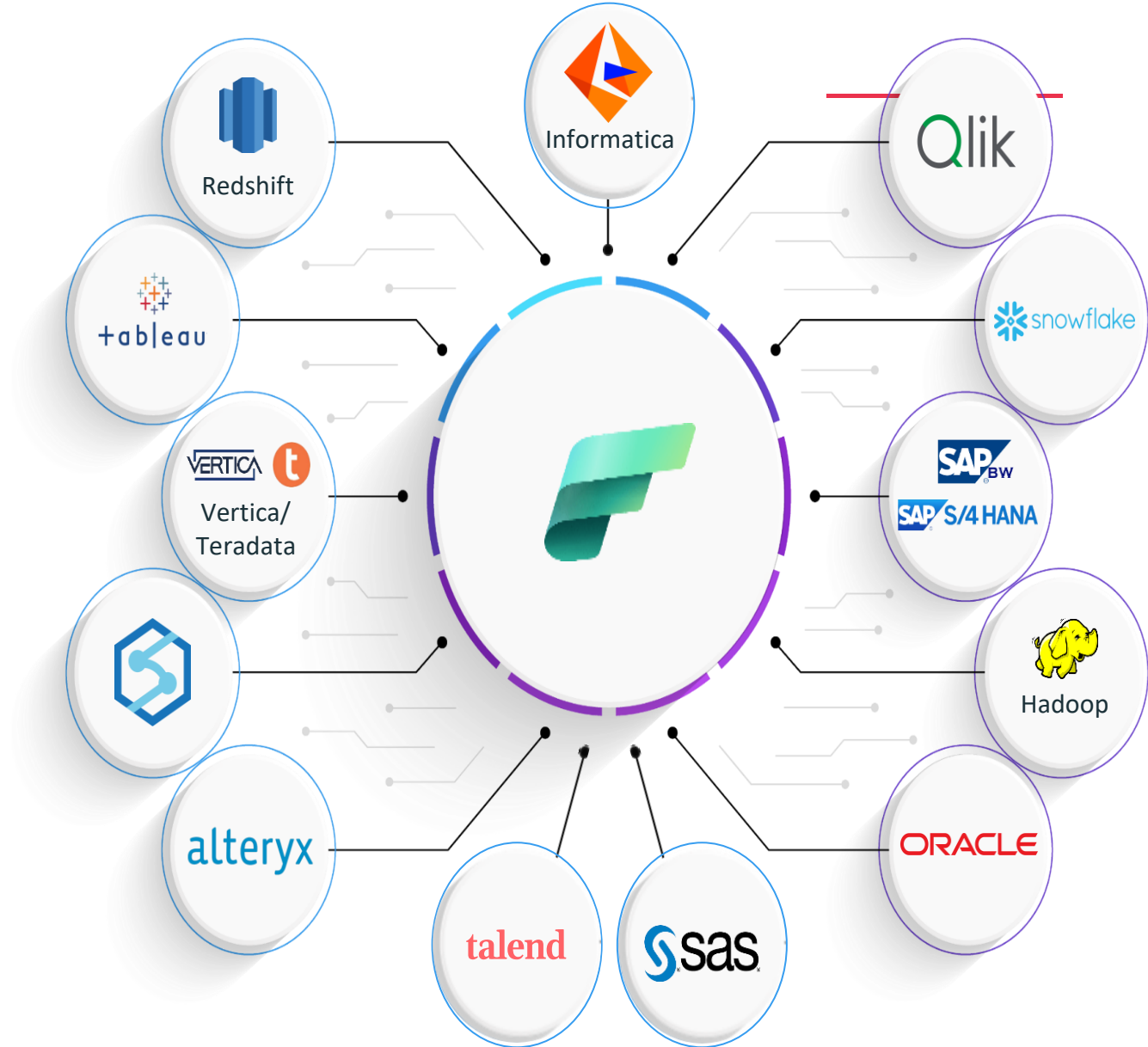
Power BI

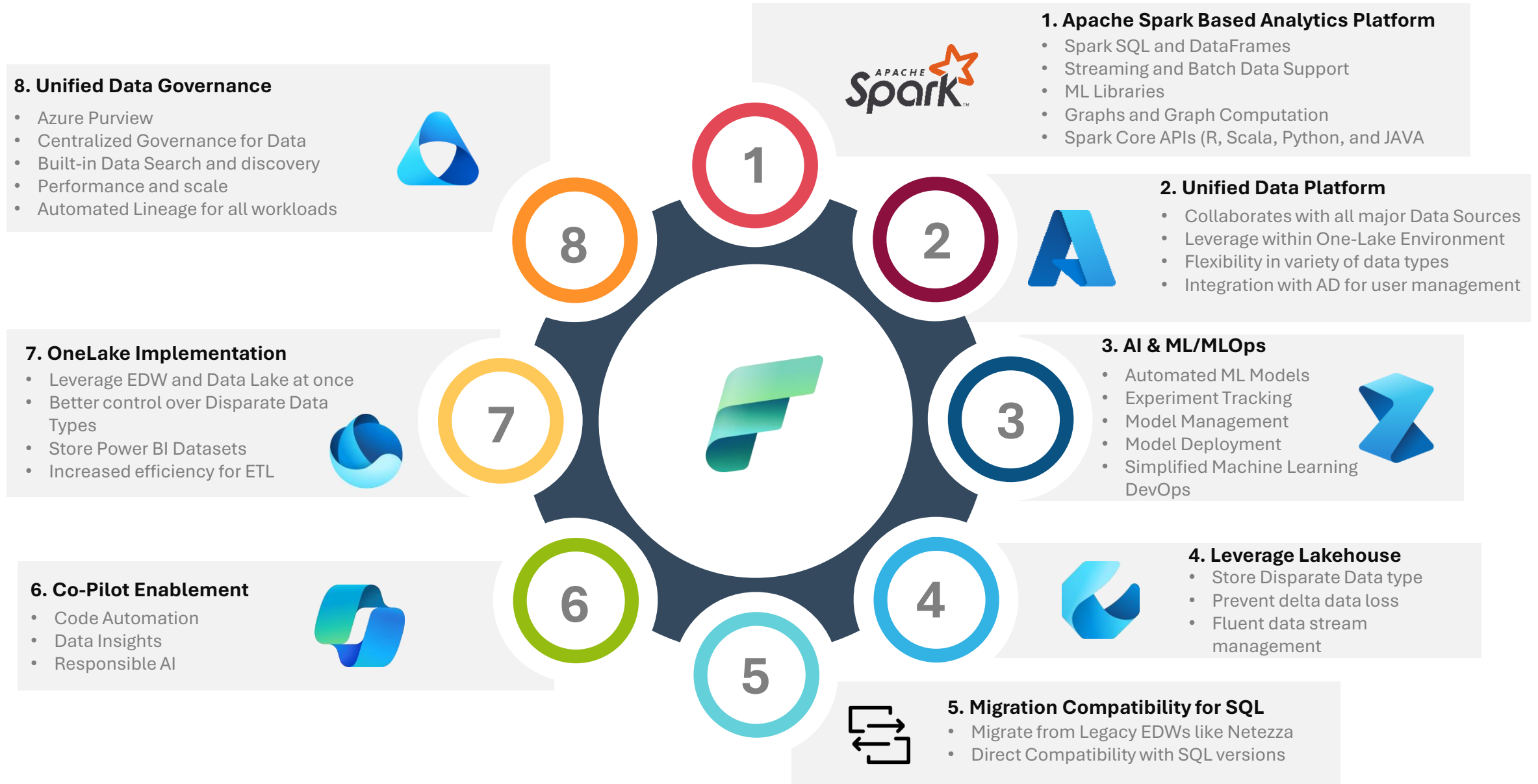


Microsoft Dynamics 365

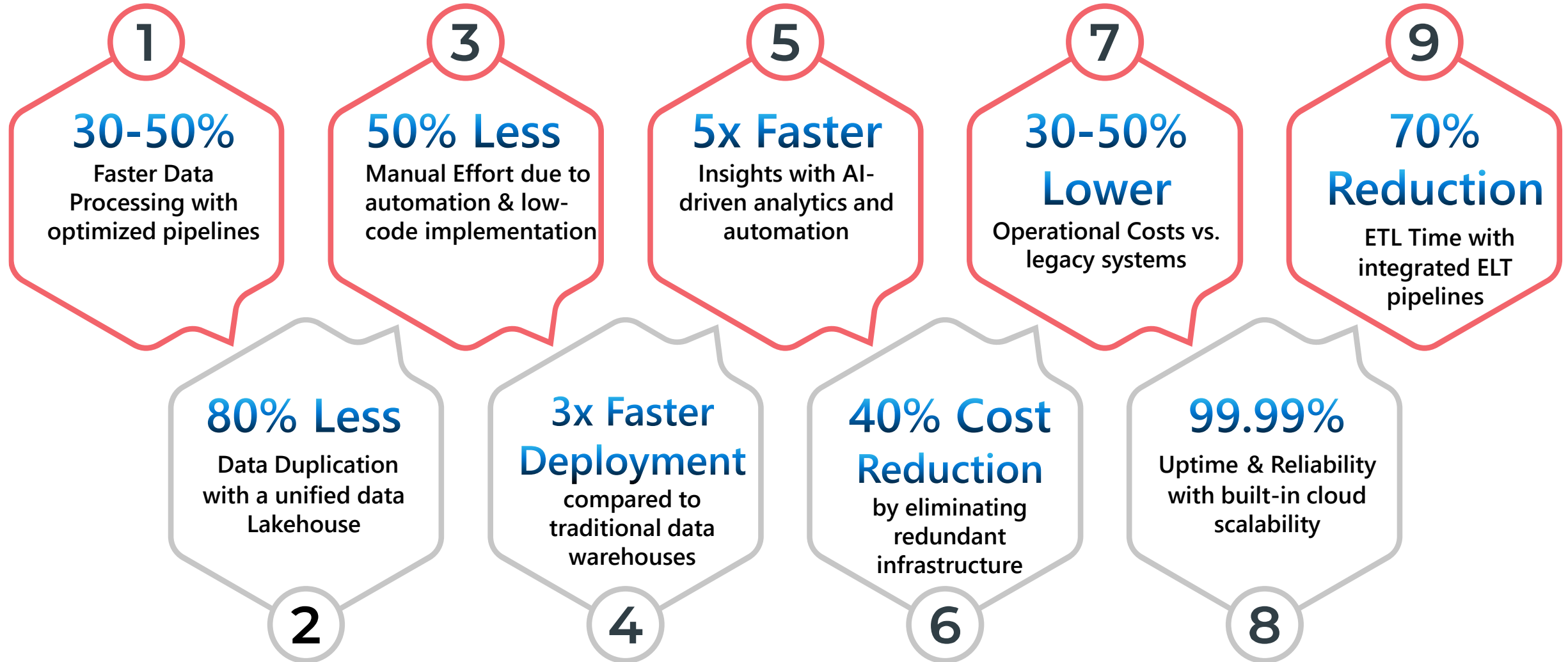
Enhanced productivity, ease of business

30+	Presales Solution Architect
45+	Delivery DS
15+	Projects in Last 6 Months
20+	Projects in Progress
300+	DP-600 Certified
150+	DP-700 certified
15+	Accelerators & Frameworks





Measurable Benefits of Microsoft Fabric Adoption



CT Visa: Migration Accelerator for All Migrations to Fabric



CT Visa is the migration accelerator for Azure Synapse to Microsoft Fabric. This is a comprehensive migration tool that automates the migration of various data assets from EDW system to Cloud Platform, including complex SQL queries and ETL workloads. It streamlines the transition by ensuring compatibility and minimizing manual effort and enabling seamless integration with Fabric's Lakehouse, data engineering, and Power BI layers.

Data Governance + Dashboards + Documentation + Deployment = Imagine the possibilities that can be unlocked



Features



Data Validation

Ensuring post-migration **data integrity** entails verifying the absence of data loss or duplication, the preservation of **referential integrity**, and the **continued accuracy** of dependent business logic and analytical processes.



Data Governance

Replication and **implementation** of the best data governance practices for a **secure migration and implementation** experience



Rollback strategies

Detailed migration strategies for effective **rollback procedures** to ensure a robust and **cost-effective** migration supported by **potent rollback mechanisms**



Key Benefits



Real-Time query report for data validation



Accelerating migration by 70%



Automated migration process – Effortless integration & target migration platform



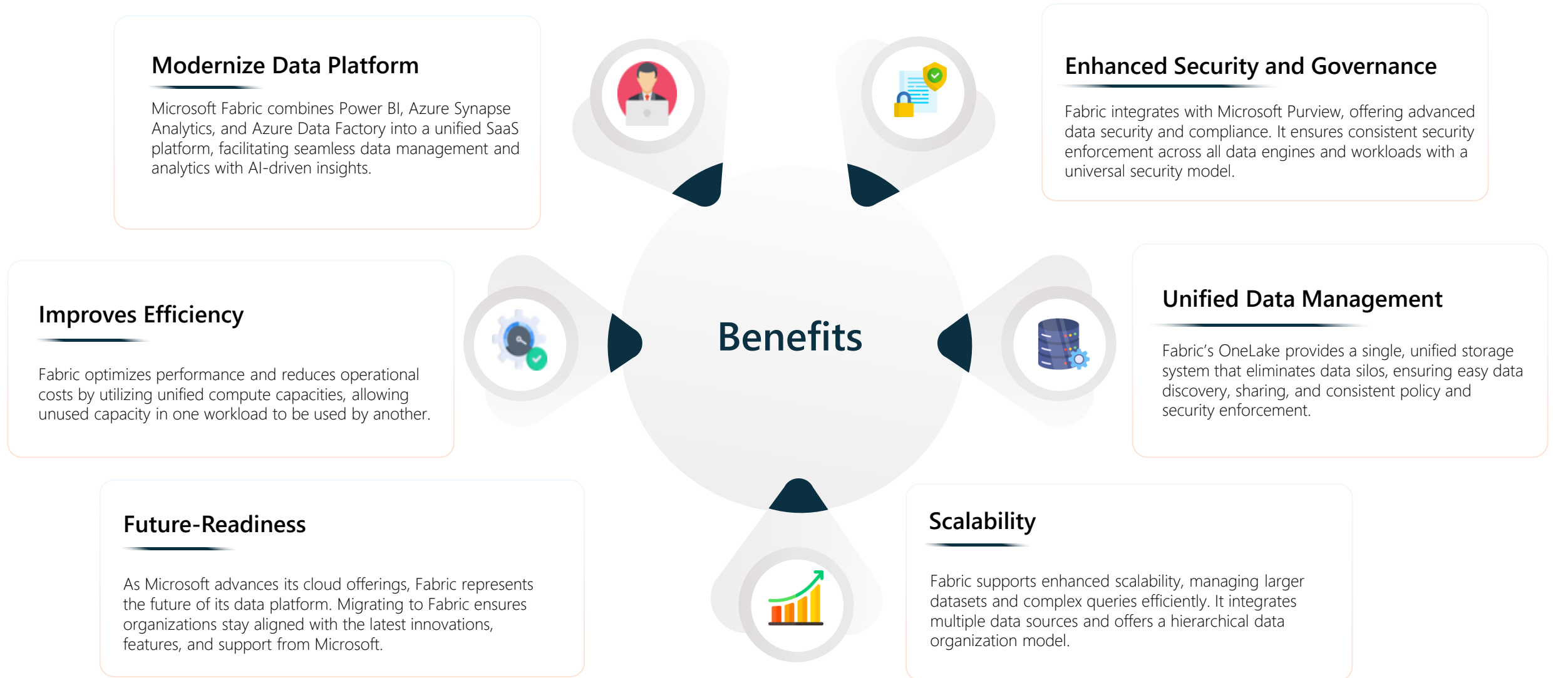
30-35% decrease in Total Cost of Ownership



Uses optimized algorithms to optimize performance and resource usage

With Celebal Technologies, accelerate your digital transformation and make your migration journey swift and successful.

Why Transition from Synapse to Microsoft Fabric?



CT Visa is an accelerator designed to modernize the enterprise data platform by transitioning workloads from Azure Synapse to Microsoft Fabric, improving data management efficiency, security, and operational performance.

A close-up photograph of a person's hands typing on a laptop keyboard. The image is overlaid with a digital aesthetic, featuring a grid of binary digits (0s and 1s) and a semi-transparent window displaying lines of code. The code includes package declarations, imports, and class definitions, such as 'package tv.twitch', 'import tv.twitch', and 'class Twitch'. The overall theme is technology and digital communication.

A man in a blue suit is standing and presenting to a group of people seated around a table in a modern office. A large screen in the background displays a presentation slide with a city skyline and the text 'THE FUTURE OF BUSINESS'.

Scenario 1 – Dedicated SQL Pool to Fabric Synapse Warehouse

- **Process Flow:**

How do we seamlessly transition SQL Pools to Fabric Warehouses?

Scenario 2 – Dedicated SQL Pool to Fabric Lakehouse (Notebooks)

- **Process Flow:**

How do we adapt SQL Pools for Lakehouse integration?

Scenario 3 – Apache Spark to Fabric Lakehouse (Notebooks)

- **Process Flow:**

How do we migrate Spark processes to Fabric Lakehouse?

Scenario 1: Dedicated SQL Pool to Fabric Synapse Warehouse

Process Flow



Synapse Environment



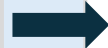
Creation of Meta Data Table



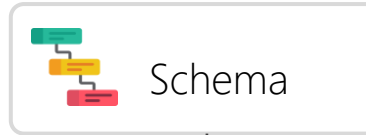
Fabric Environment



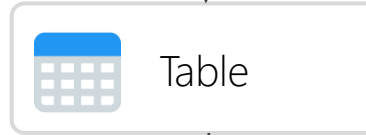
Load the Metadata Table into the Fabric Pipeline



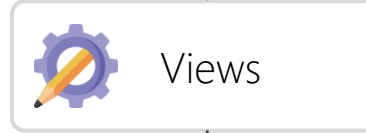
Run all the create script through Fabric Pipeline and maintain Logs



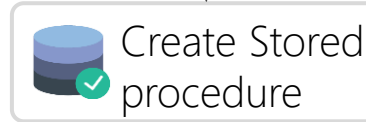
Schema



Table



Views



Create Stored-procedure

Scenario 2: Dedicated SQL Pool to Fabric Lakehouse (Notebooks)

Process Flow



Synapse Environment



Creation of Meta
Data Table



Using OpenAI to
adapt code for
Fabric
compatibility



Load the Metadata
Table into the
Fabric Pipeline

Fabric Environment



Run all the create script
through Fabric Pipeline and maintain Logs



Schema



Notebook



Table



Views

Scenario 3: Apache Spark to Fabric Lakehouse (Notebooks)

Process Flow



Synapse Environment



Apache Spark
Notebooks



API Call



Notebook Run



Fabric Environment



Run all the create script
through Fabric Pipeline and maintain
Logs



Schema



Notebook



Table



Views

Efficiency Impact Analysis of Migration Accelerator

	Small
	Migration
Tables	50-100
Views	20-30
Stored Procedures	30-50
Functions	20-30
Volume	500 GB
Weeks	2 Weeks

Thank You