

**DATA MESH FOR  
THE MODERN  
ENTERPRISE**

# Accelerated Data Mesh for the Modern Enterprise



Domain Oriented – decentralised architecture.

Creating a culture of data products – bringing producers and consumers together.

Self-services and automation – common interoperability and ops framework.

Federated computational governance – key to a data first and data only organisation with Office of the CDO being the enabler.

Data Mesh allows multiple groups within an organisation to operate their own analytics platform whilst adhering to common policies and standards.

The central datahub hosts data catalogue, mesh wide audit capabilities, monitoring, and auxiliary services for automation.

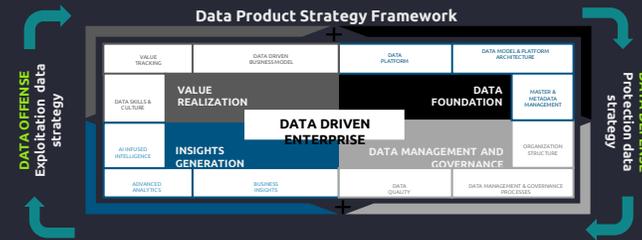
The central data platform group defines blueprints that encompass baseline security, policies, capabilities and standards.

New nodes are instantiated based on these blueprints, which encompass key capabilities to enable enterprise analytics (i.e. Storage, monitoring, key management, ELT, analytical engines, and automation)

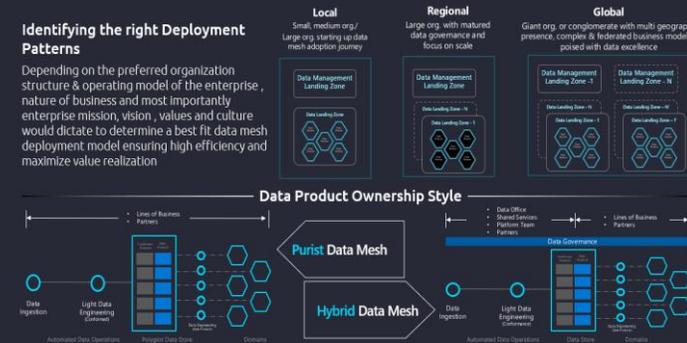
Node instances can be augmented to serve respective business requirements, i.e. deploying additional domains, customising domains and data products within the node.

Nodes are typically split by either org-division, function, or region.

## Setting Scope & Vision for Data Domains



## Deployment Pattern

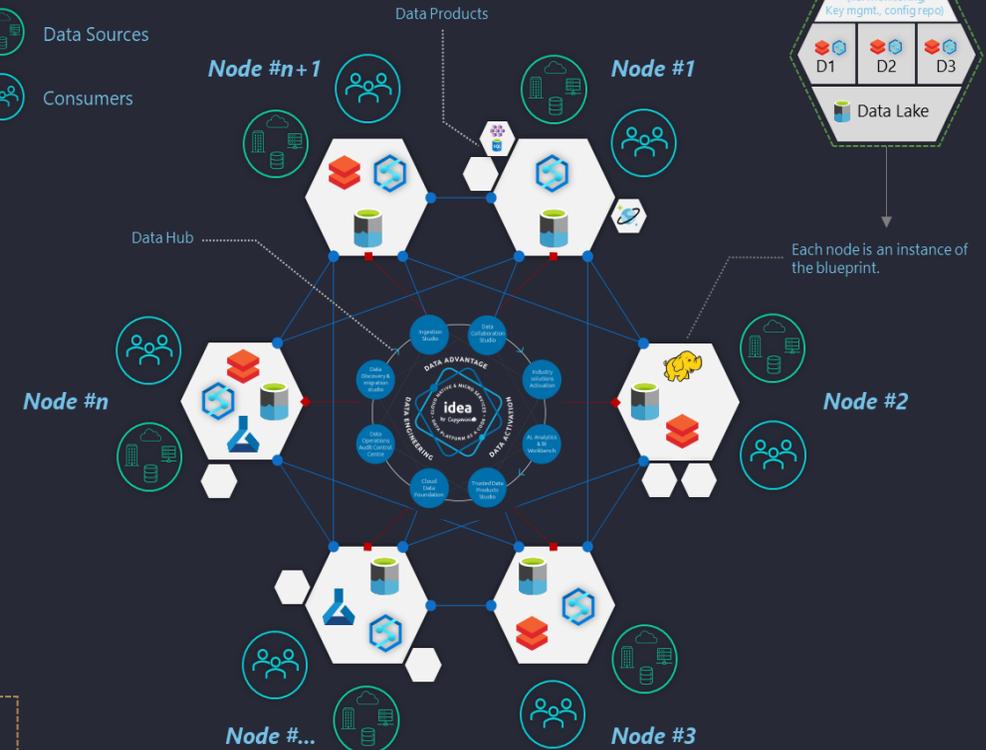


## Data Mesh Governance Model

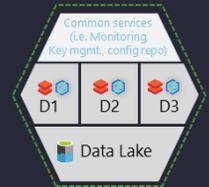


## Architecture Templates (Fast Start using ESA)

- Data Virtualisation
- Platform Integration
- Data Sources
- Consumers



Example Node Blueprint  
Nodes sub-partitioned by domains



Each node is an instance of the blueprint.

# Accelerated Data Mesh Implementation for Modern Enterprise



## CAPGEMINI DATA MESH OFFERING ON AZURE

### End to end Data Mesh Implementation in Azure

Phased approach to prepare the foundation – Discovery, Design and Pilot, followed by an iterative/incremental implementation for all data products

Powered by Capgemini's modular, pre-built, pre-tested, plug and play Azure Data Mesh Platform accelerators - IDEA for Azure Data Mesh Platform Accelerators, Data Product Marketplace & Data Trust Foundation and Capgemini 'Active Data Governance' Framework & Tools

### Support and scaling of ongoing data mesh implementation

Three phase approach – Stabilize, Optimize, and Transform

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### Data Product Strategy & Design Services

Business focused Data Product Strategy and Value Analysis

User centered requirements gathering, using Design Thinking & Business Event Analysis and Modelling (BEAM) techniques

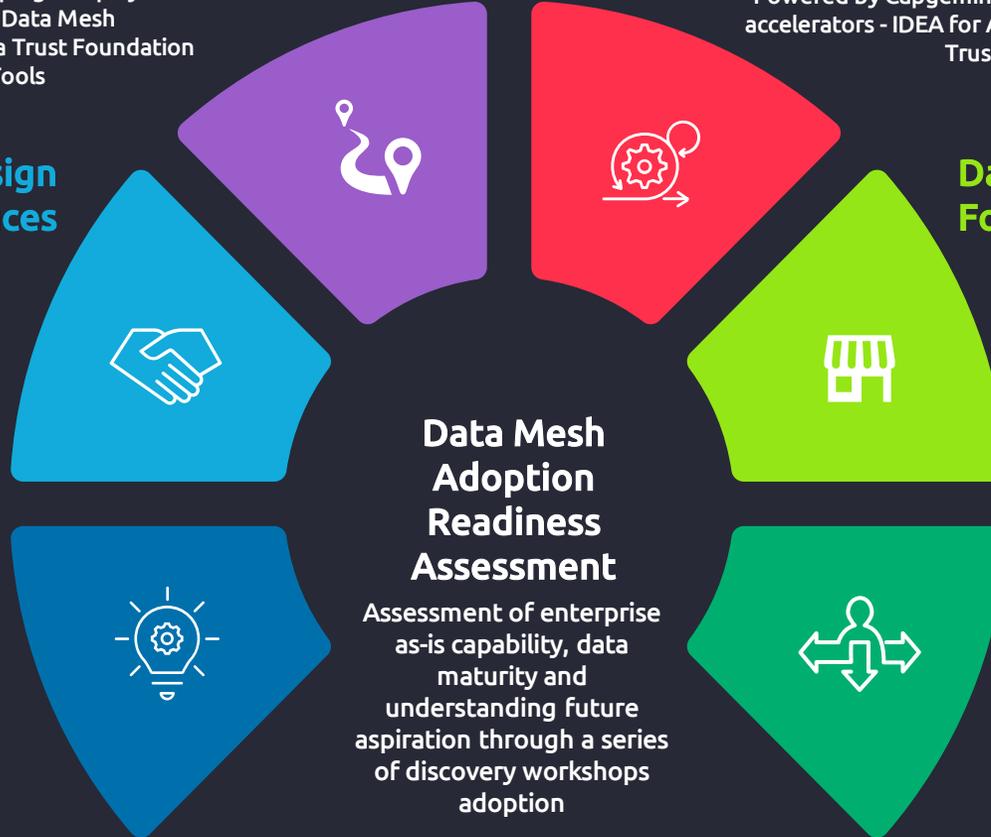
Domain Driven Data Product design and modelling, to establishing a 'bounded context' for decentralized data products

### IDEA for Azure Data Mesh Platform Accelerators

Next-gen Metadata driven Federated Data Governance Framework, built on a robust, but flexible prioritization methodology that can be quickly tailored to specific client scenarios.

Pragmatic, business benefits-oriented framework developed from hundreds of data governance programs, covering complete range of activities.

"QuickStart" Data Governance methodology comprises numerous practical, hands-on templates, activity catalogues and other accelerators, as well as a maturity model



### Data Mesh Adoption Readiness Assessment

Assessment of enterprise as-is capability, data maturity and understanding future aspiration through a series of discovery workshops adoption

Define best fit data mesh deployment pattern, data product ownership style, target organization structure & operating model and required capability map for data mesh

### Data Product Marketplace & Data Trust Foundation

Data Product Lifecycle Management & Governance Framework

Tailored Scaled Agile (SAFE™) Product Delivery Methodology

Meta-data driven data discovery, profiling and catalogue

Secure Data Marketplace and Data Exchange Platform

### Capgemini 'Active Data Governance' Framework & Tools

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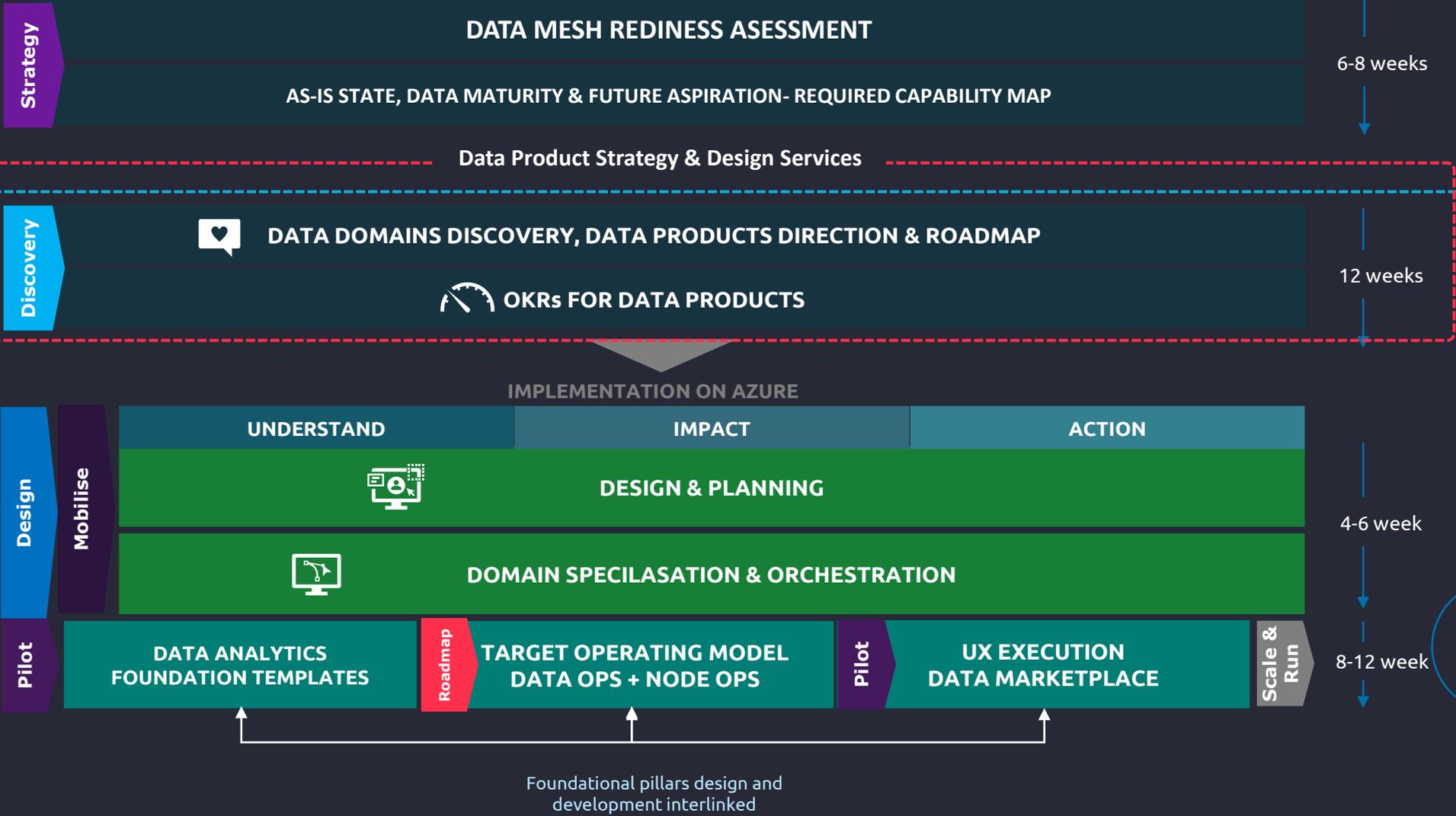
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# CAPGEMINI OFFERING : DATAMESH IMPLEMENTATION – OP. MODEL



End to end Data Mesh Implementation in Azure

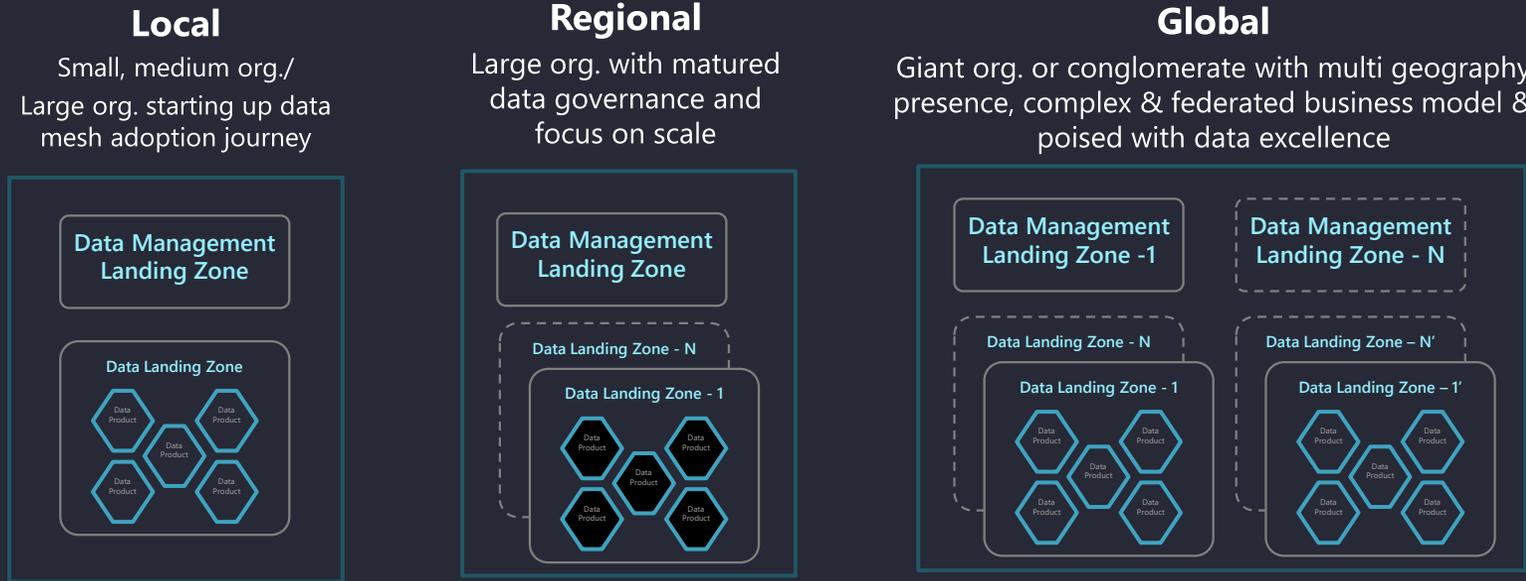


# No 'One Size Fits All' – Help you select right fit patterns to excel in your Data Mesh adoption journey

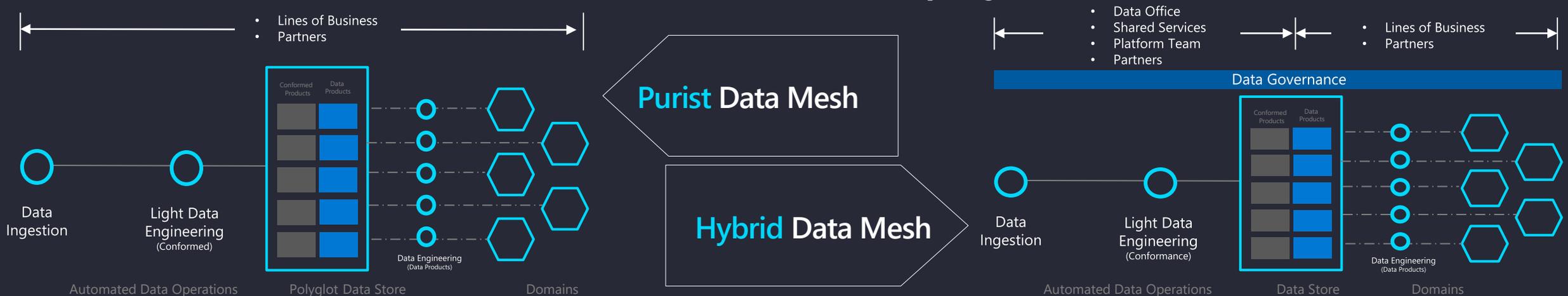


## Identifying the right Deployment Patterns

Depending on the preferred organization structure & operating model of the enterprise, nature of business and most importantly enterprise mission, vision, values and culture would dictate to determine a best fit data mesh deployment model ensuring high efficiency and maximize value realization



## Data Product Ownership Style





# GLOBAL MICROSOFT ALLIANCE AWARDS AND ACCREDITATIONS



## Awards 2021

- Partner of the Year, GSI Digital Transformation
- Partner of the Year, Financial Services
- Partner of the Year, Analytics
- Partner of the Year, Netherlands (Sogeti)
- Partner of the Year, Spain
- Microsoft Academy - Business Applications, Italy
- Microsoft Sustainability, France

## Awards 2022

- Partner of the Year, Power Apps
- Partner of the Year, Germany

## Accreditations

- Gold Member Microsoft Partner Network
- Azure Expert Managed Services (MSP) Provider

## Advanced Specialization

- Analytics on Azure Specialization
- Data Warehouse Migration to Azure Specialization
- AI and ML on Azure



# CAPGEMINI ACHIEVES - ADVANCED SPECIALIZATION STATUS:

**Capgemini is the only SI to achieve all the 3 Advanced Specialization Status on Azure Data & AI**

- ✓ **Analytics on Azure**
- ✓ **Data warehouse Migration**
- ✓ **AI and ML on Azure**

**These specializations validates our deep experience in planning and delivering analytics and DWH migration solutions in Microsoft Azure, enabling customers to use the full breadth of their data assets to help build transformative and secure analytical solutions at enterprise scale.**

**This shows Capgemini's commitment to Azure Eco System and trust for Microsoft Partnership. This demonstrates Capgemini's broadened capabilities on Azure Data & AI Services.**



# Why Capgemini is the right Microsoft transformation partner



Unmatched **experience and scale** with SQL Server migrations



End-to-end **solution** portfolio of azure industry accelerators



**Focus** on cloud-native data estate modernization



**Acceleration** with the Capgemini Cloud Migration Factory Assets



Significant Azure Data and AI **expertise**



Unparalleled portfolio **visibility** with Azure SQL, Cosmos DB and Azure Databricks



## About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of 325,000 team members in more than 50 countries. With its strong 55-year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fuelled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2021 global revenues of €18 billion.

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