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Data Platform Services on Azure

Core42 Cloud & AI Services Offering

The need for a secure & powerful Data Platform is increasing...

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Implementation of AI requires a well-functioning & highly secure data platform...

AI solutions require access to vast amounts of internal & external data which cloud data platforms ingest and organize into data lakes, hubs, etc.

Well-architected data platforms are critical to systematically enrich, transform & curate datasets to provide a foundation for AI use-cases

Cloud data platforms provide critical data modelling to combine all business logic into a single data model which fits need for visualization

Data platforms provide centralized access to APIs and Data Exploration functionality required for use-cases, with consistent security & compliance

AI applications often involve sensitive data and cloud data platforms can be secured to ensure encryption, access controls, and data sovereignty

...with multiple factors driving increased urgency

Exponential growth in data generation

Competitive pressure to adopt AI ASAP

Opportunities to improve CX & EX

Pressure to optimize data management costs

Increasing regulatory pressure

Increasing cybersecurity exposure

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...and Core42 provides a comprehensive offering on Azure...

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1. Microsoft Fabric-first Data Platform

2. Azure native services-based Data Platform

3. Azure Data Platform with Confidential Compute

Customer Needs

- **Rapid Deployment** with pre-built connectors
- **Embedded Security** & Compliance
- **Limited Customization** requirements
- **Limited Complexity** of integrations

- **Significant customizations** required
- **Highly complex integrations** required
- **Diverse technology** requirements
- Stronger **Resilience and Fault Isolation**

- **End-to-end data sovereignty** across data
  - ✓ At rest
  - ✓ In transit
  - ✓ In compute
- Maximum **security & business continuity**

Adoption & Change Management to drive sustained business value

Example Sectors

Education | Retail & Ecommerce | Startups | Telecoms | Natural Resources | Transport & Logistics | Government | BFSI | Healthcare

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...with a truly differentiated value proposition...

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Unparalleled Access to Microsoft Expertise

- Data Platform reference architectures developed in close collaboration with Microsoft
- Leaders in implementation of Azure Confidential Compute as part of our large-scale migration programs
- Unprecedented access to Microsoft engineering teams and unified support

End-to-end Solution with Cloud & AI

- Platform build, modernization and management is embedded in migration & managed services on Core42's comprehensive array of cloud infrastructure (e.g. Azure, private, air-gapped, hybrid and multi-cloud)
- Data Platform is provided as part of an end-to-end offering which extends to implementation of AI use-cases
- Security and sovereignty are secured through embedded Core42 services and technologies

Leading Client Context & Track Record

- Unmatched understanding of environments and priorities of leading entities in the UAE
- Consistently at the forefront of regulatory developments related to Cloud, Data and AI
- Leading track record in managing leading organizations' data platforms over the past 20 years in the UAE, with extensive set of best practices, accelerators and frameworks

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1. Microsoft Fabric-first Data Platform

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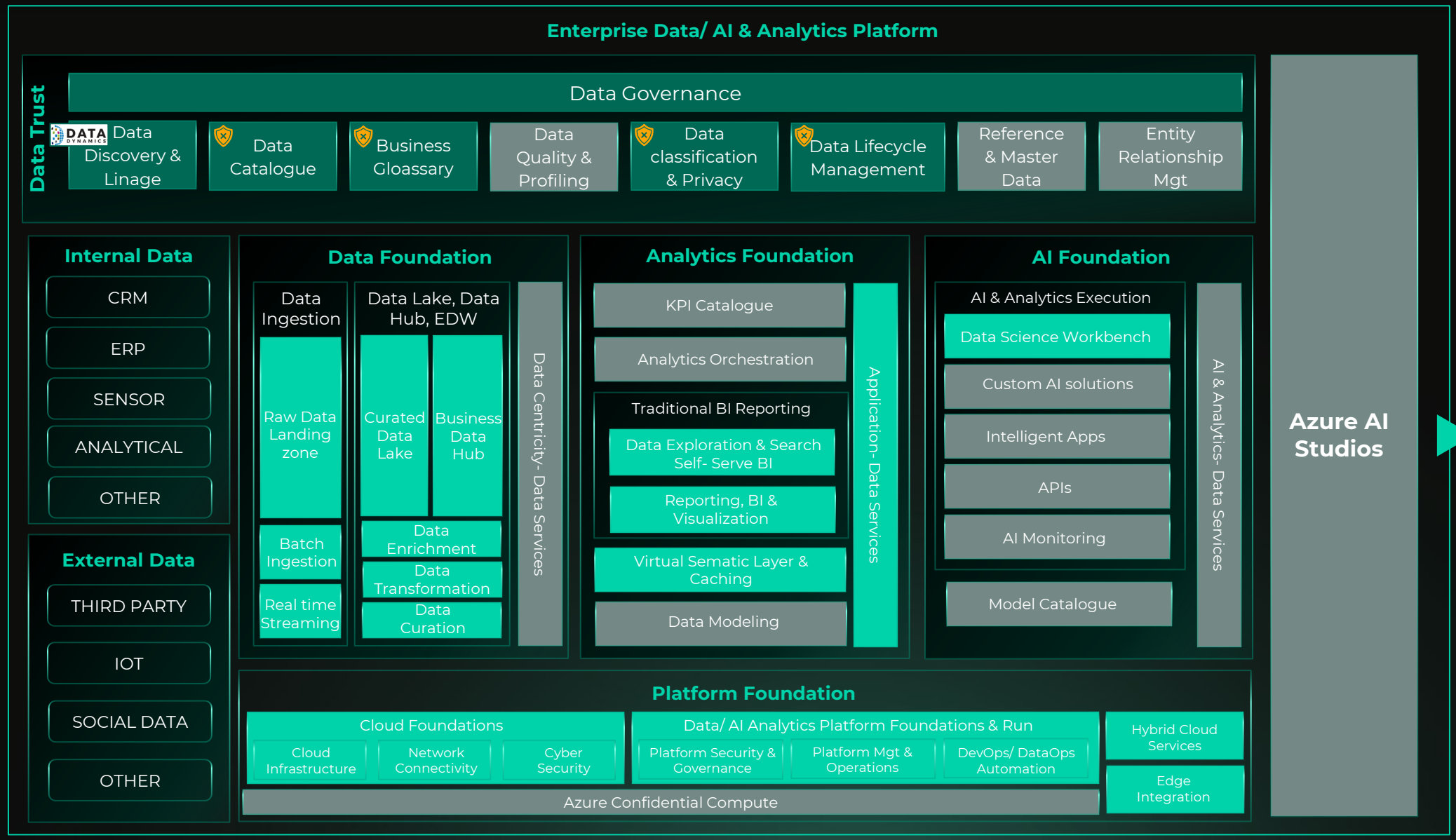

Covered by Fabric

Gap closed with single service

Optional / incremental

Microsoft Purview

Microsoft Fabric can address almost all critical functionality in a single integrated platform

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2. Azure native services-based Data Platform

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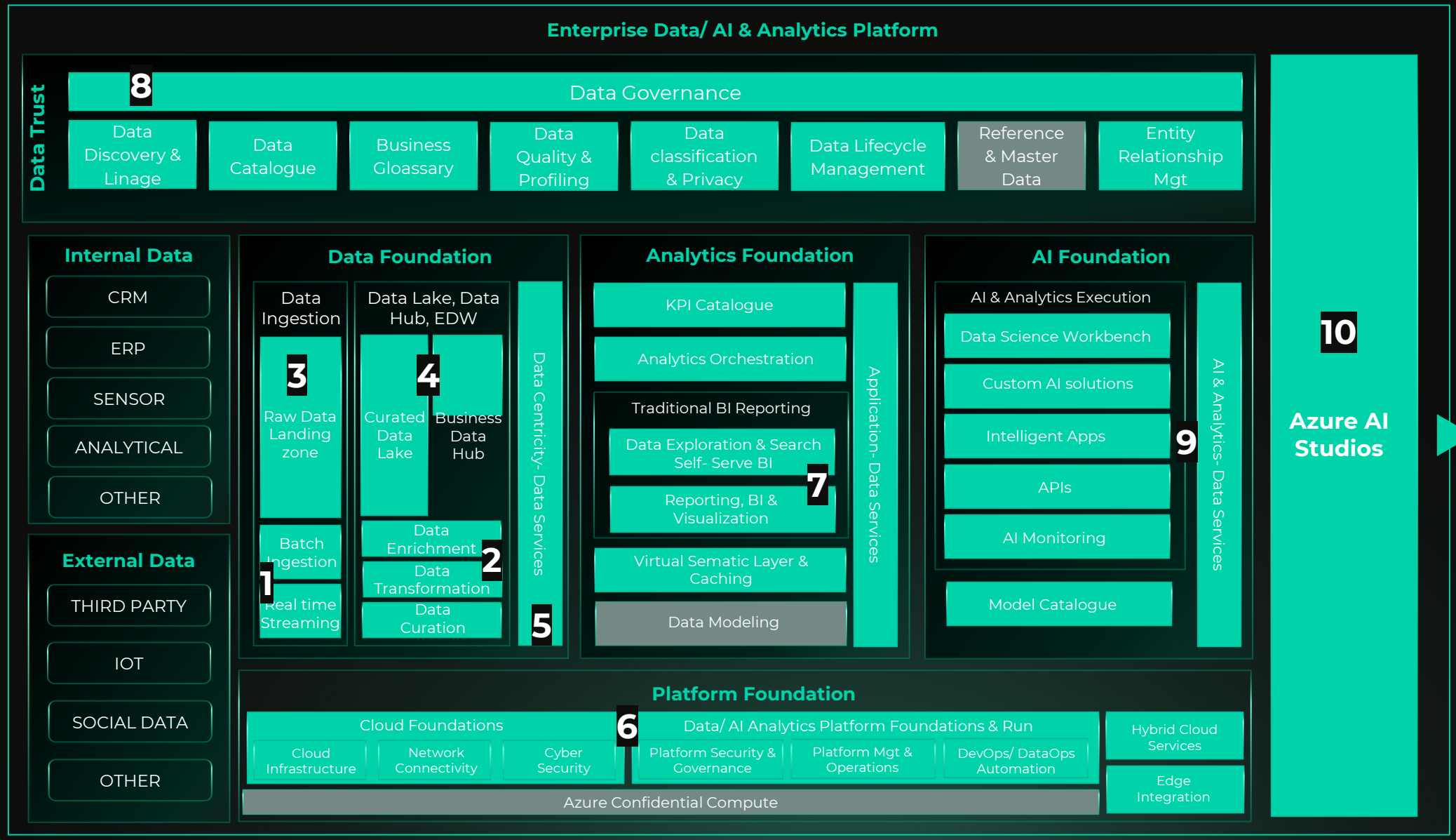

Covered

Optional / incremental

Microsoft native services Architecture with standardized building blocks

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3. Azure Data Platform with Confidential Compute

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Azure Confidential Computing completes the highest security & sovereignty requirements of a data platform with end-to-end encryption…

EXISTING ENCRYPTION

Data at Rest

Encrypt inactive data when stored in blob storage, database, etc.

Data in Transit

Encrypt data that is flowing between untrusted public or private networks

CONFIDENTIAL COMPUTING

Data in Use

Protect/ Encrypt data that is in use, while in RAM, and during computation

Protect Against

Insider threat
Privileged admins abusing rights

Hackers
Exploiting bugs in the Hypervisor/OS

Third Parties
Accessing data without consumer consent

The protection of data in use by performing computation in a hardware- based, attested Trusted Execution Environment (TEE).

Verifiable assurance for data integrity, code integrity & data confidentiality.

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Proof-of-Value offer: Platform Design & Implementation Plan

Approval required case-by-case from Delivery

Powered by proprietary Core42 accelerators for best-in-class efficiency

Our Typical Engagement Model

3 weeks

Proof-of-value study → **Mobilization** → **Data Platform Implementation**

A 3-week proof-of-value at zero cost

Our Offer to you

1. **Our AI & Data team connects with you** to understand your current data architecture and business requirements
2. **We develop a target data platform architecture** based on your needs, aligned to one of our three offering categories
   - Microsoft Fabric-first Data Platform
   - Azure Microservices-based Data Platform
   - Data Platform with Confidential Computing
3. **We incorporate any feedback** or further requirements
4. **We conduct a financial assessment** on impact of transition
5. **We plan** an implementation roadmap aligned to your priorities

We Give You Outcomes Before Investment

Identify measurable value within 3 weeks to set your foundation for your Cloud Data Platform

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Thank you

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