Azure Data Services Foundations

Insight

Efficiently deploy and secure your data estate in the cloud

Whether you are looking to fully migrate your current data and analytics workloads to Microsoft Azure, or deploy a hybrid approach, or create an entirely new set of analytics capabilities, it is imperative to establish a robust Azure Data Services Platform that is secure by design, to remove barriers and give you the confidence to accelerate your strategic data initiatives. Poor planning and design could result in unanticipated costs and a weakened data security posture, drastically reducing business agility and the actionable insights which a date estate on Microsoft Azure can drive.

For organisations implementing new data estates on Azure or looking to remediate existing environments, Insight's Azure Data Services Foundations offering ensures your data platform is configured using a repeatable framework that is extensible for scalability and is deployed to a best-practice security, governance and cost control design.

Our two-phase approach incorporates an assessment and design phase to ensure your business and data requirements are well understood, prior to executing the implementation phase. This results in a data platform which is uniquely suited to your organisation's specific security guidelines and ensure migration risks and recommendations are addressed.

Robust Azure data platform providing:

- **Reduced time to deploy data and analytics workloads**

- **Scalability for advanced analytics and streaming / IoT use-cases**

- **Security using native features and best-practive processes**

ANALYSIS & DESIGN	→	IMPLEMENTATION

Project Governance
(Project Coordination, Quality Assurance)

Diagram: Insight's 2-phase approach for Azure Data Services Foundations

Phase 1: Analysis & Design

To fully understand your current data strategy, security posture and target state goals, Insight will conduct a brief series of targeted workshops with your relevant stakeholders covering:

- Security principles and risk assessment
- Risk mitigation strategies
- Azure data services networking and security foundations
- Governance and cost control

The workshops will result in the development of a tailored Solution Design document for your new Azure Data Platform, including the features, controls and security measures required to uplift your organisational maturity and capability while designing for extensibility, performance and scalability.

Phase 2: Implementation

The best-practice design will be executed in both the non-production and production environments, incorporating Azure services and controls which adhere to key data platform functionality and security risk mitigation recommendations.

- Deploy and configure the core Azure services to get your data platform up and running quickly.
- Create agreed data lake zoning and taxonomies to provide a clear pathway for data enrichment as it moves through the platform.
- Implement a range of security controls to ensure your corporate data is fully protected.
- Establish a foundation for efficient ongoing development through the use of DevOps principles and services.
- Validate permissions and access controls to confirm the right data will be visible to the right people.

This foundational offering allows your organisation to fast track to a modern data platform, establishing the scaffolding for data ingestion, transformation, storage, machine learning and analytics.
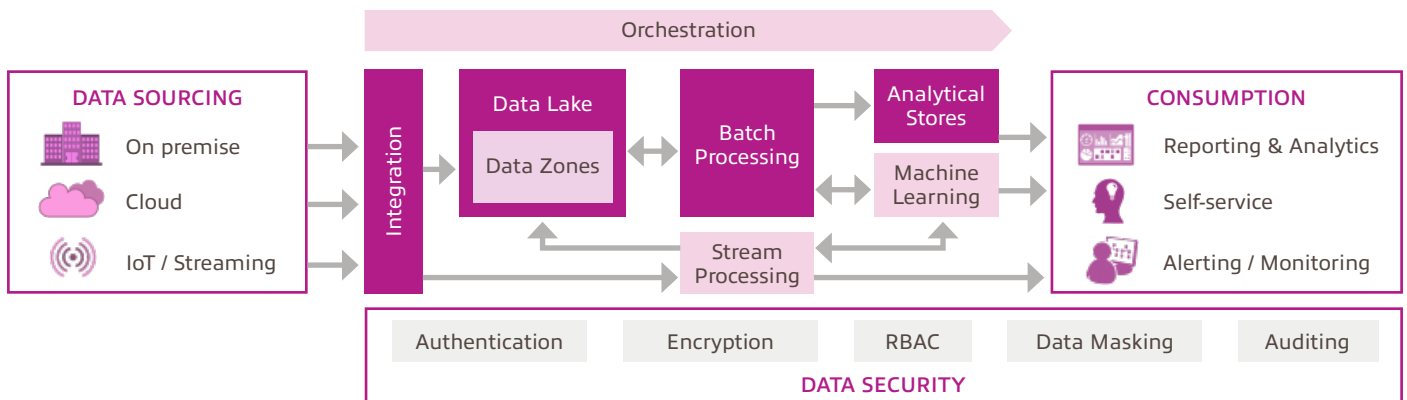

Diagram: Azure Data Services Reference Architecture

Why Insight

At Insight, we are proud of our strong consulting team of Azure data and analytics specialists, with a proven track record of successfully delivering foundational data services for organisations on their strategic journey to public cloud. We have helped organisations across a number of industries leverage emerging Advanced Analytics, AI and Machine Learning technologies, and importantly have provided the safe pair of hands to meet their infrastructure and data needs to support innovation.

We have a broad mix of expertise in digital transformation, ranging from technology advisory, design and implementation services. With a true end-to-end service, we have won numerous industry awards for helping organisations achieve agility, productivity and competitive performance through technology .

For more information, contact us today.

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