

Adatis

Unified Analytics with Azure Databricks

www.adatis.co.uk



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Gold Cloud Platform
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Adatis



Adatis, a leading Microsoft specialist Data Analytics and Business Intelligence consultancy, work in flexible, agile and collaborative ways to help organisations unlock the power and value of their data to enable them to improve business performance, better serve and engage customers, empower employees, find efficiencies and remain compliant.



WHAT WE OFFER

BUSINESS CONSULTING

- Data Strategy & Advisory
- Data Governance
- Master Data Management
- Power BI Review
- Power BI Governance & Rollout
- Power BI Training
- Data Envisioning
- AI Proof of Concept

DELIVERY

- Enterprise Intelligence Solutions
- Data Architecture
- Data Platform
- Modern Data Warehouse
- Data Science Platform
- Data Migration
- Application Integration
- Advanced Analytics
- Azure Synapse
- Azure Databricks
- Artificial Intelligence & IoT
- PowerBI Migration

MANAGED SERVICES

- Experts in Data Analytics and AI
- Reactive Support
- Infrastructure & Application Monitoring
- Proactive monitoring and optimization
- Continues improvement
- Evolves with you to maximise value
- Business Continuity



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Unified Analytics with Azure Databricks

Adatis have developed a series of modern cloud-based frameworks and accelerators with Databricks at the foundation. These metadata driven frameworks satisfy a wide variety of data centric solutions that span Data Analytics, Data Science and Data Migration. The frameworks integrate, allowing cross-sell / upsell opportunity as each framework is based on a common underlying set of platform services with Databricks at the heart.



The **Adatis framework** brings many benefits to your team and your projects:

- **Proven:** We've built and refined the framework over years of working with companies on their transformation initiatives.
- **Multi-purpose:** Whether it's for point-to-point applications or two-way integration, our framework can help you migrate and integrate your data and systems with ease. It brings expertise and scale to any project, from onetime migrations to ongoing integration work.
- **Timesaving:** By offering a single reference architecture for application integration and data migration, it means you don't have to create your own architecture for either type of project.
- **Cost-effective:** Rather than building out dedicated internal capability that's too expensive, resource-heavy and specialised to keep at scale long-term, our support adds instant extra resource to your team, exactly when you need it. That way, you always have the right level of capability for the project, without worrying about under- or over-provisioning.
- **Fast:** The framework acts as an accelerator, using automation and tried-and-tested units of code to complete data ingestion and processing with less manual effort – so it's faster and more cost-effective.
- **Unified:** Adatis utilise the same framework for application integration & data migration as they do for building data platforms & warehouses. Utilising a single, unified framework reduces total cost of ownership, reduces the breadth of technologies and the related skills required and improves ease of maintenance.
- **Supportable:** The stability and reusability provided by the framework with its years of refinement, deliver a solution that is inherently supportable, whether operated internally or by our own specialist Managed Services team.

adatis Real Time Analytics

Sensors and IoT
(Unstructured)

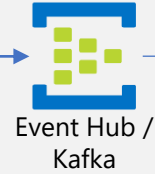
Logs
(unstructured)

Media
(unstructured)

Files
(unstructured)

Business/custom apps
(structured)

Ingest



Event Hub /
Kafka



Azure Data
Factory v2
Copy Data

Explore



Azure
Data Explorer

Prep · Train · Score



Azure
ML Services



Azure
Databricks

Model and serve



Azure Synapse
Analytics



Power BI

Store



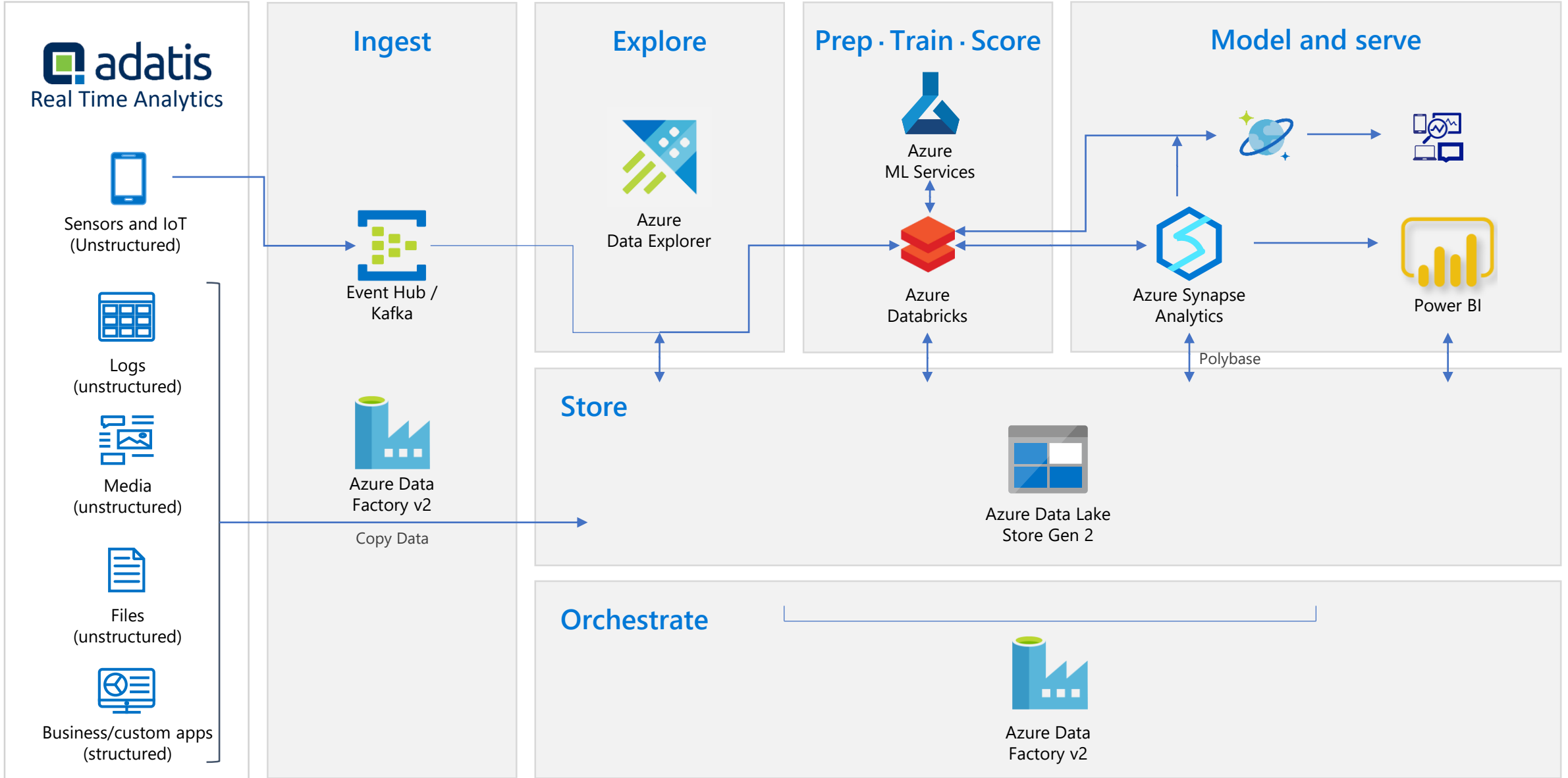
Azure Data Lake
Store Gen 2

Orchestrate



Azure Data
Factory v2

Polybase



Customer success:

National Archives use Azure Databricks & Microsoft Cognitive Services to identify and select digital assets to be stored



Customer Challenge

Legislation states that after 20 years government departments need to determine if an asset should be stored or not. With vast volumes of ‘born digital records,’ the National Archives could no longer manually identify assets to be stored.

They wanted to advise other government departments on how technology could assist them in identifying and selecting relevant assets more quickly and ensure assets were not overlooked.

Adatis Approach

The National Archives decided to work with Adatis in order to conduct the research and build a proof of concept into machine learning techniques, to classify digital assets that should be selected for preservation.

Adatis used Microsoft Cognitive services to search the documents for key phrases and entities and used Databricks as the processing engine that can evaluate large, complex data sets and train the machine learning models.

Customer Outcome

The research paper and proof of concept developed using Azure machine learning technologies will enable the government department to faster identify and select digital assets and documents that need to be stored.

It will also ensure that critical assets are not missed that need to be stored in line with legislation and reduce the time, overhead costs and manual effort required to identify these assets

Find out more about the Adatis Azure Databricks Solution

- Call for more information: [+44 \(0\)1252 267 777](tel:+441252267777)
- Ask a question via email: enquiries@adatis.co.uk
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