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MICROSOFT FABRIC
PROOF OF CONCEPT

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JANUARY 2024

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Why Microsoft Fabric?

Microsoft Fabric stands as a unified analytics powerhouse tailored for enterprises, seamlessly encompassing the entire spectrum from data movement and data science to Real-Time Analytics and business intelligence. This innovative SaaS solution provides a holistic suite of services, consolidating data lake management, data engineering, and data integration within a single, cohesive platform.

The importance of this innovation lies in it’s ability to simplify and enhance the entire analytics process for organisations’.

Key features of Microsoft Fabric

- Ability to store data in Delta Lake format
- Directly query your data from Power BI
- Create and govern domains with Data mesh architecture
- Access Copilot for Data Science and Data Engineering
- OneLake shortcuts to access data across domains, clouds and accounts

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Microsoft Fabric

01

Unify your data estate

OneLake, integral to Microsoft Fabric tenants like OneDrive, transforms data management. It's the singular repository for organisational analytics, ensuring unified collaboration and streamlined efficiency. OneLake guarantees standardised data management.

02

Enable AI Initiatives

Elevate efficiency and time savings in your analytics tasks with Copilot, alongside the performance and scalability of OneLake to store and manage your data for new Machine Learning and AI proects.

03

Secure and manage data

Microsoft Fabric is inclusive of enterprise-class security and governance features; information protection, data loss prevention, lineage mapping and data source endorsement allows your users to have high trust in the data being surfaced.

04

Improve Data culture

Transforming your analytics platform could also transform how your business engages with data. New opportunities to collaborate in workspaces, connect to business platforms like Teams and provide new data science or AI capability will enhance the level of data usage across your business.

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The Solution

Azure Data Fctory is a core analytics component providing over 200 native connectors, directly to your most valuable data source systems. Ready to ingest, prepare and transform your data with in-built orchestration capabilities.

The full Azure Synapse suite of services is available in Microsoft Fabric. Data engineering, data science and real-time analytics is all provisioned through the platform.

Microsoft Power BI is an enterprise data visualisation tool that accesses and surfaces all data into easily digestible reports and dashboards.

What if I already have Azure Synapse Analytics?

Have you recently invested in your data estate and analytics platform? Are you already using Azure Synapse or other cloud platform offerings? The release of new technology solutions can often be disruptive, so evaluating current capability and the feature release roadmap of Microsoft Fabric will help prepare you for the future.

01

Existing solution is still valuable

You can still continue to deploy, operate and expand your current Azure Synapse platform. Understanding your current capability and ambitions for future business needs provides a great foundation to explore Microsoft Fabric.

02

Evaluate for the future

Whilst the current Azure Analytics platform is fully supported by Microsoft, new innovation efforts will be directed towards Fabric. Evaluate capability now to plan and prepare for future data migration.

03

Prepare a pathway to Fabric

Once you have evaluated the solution capability, you will further understand features and functionality that support your business, how Fabric may integrate or in time replace your current analytics platform.

04

Identify opportunities for Fabric

You may have an immediate need to scale or provision analytics capability in your organisation. Finding out if Microsoft Fabric can meet those needs provides clarity on technology solutions available.

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Microsoft Fabric POC

DEFINE

Workshops strategically focus on a priority use case to dive into using Microsoft Fabric as part of your data strategy; encompassing vision, success criteria and governance.

PLAN

Our consultants expertly address technical pre-requisites, constraints and dependencies, focusing on platform principles, custom platform design, security & access requirements, data Sources an processing. Elevate your project with precision, ensuring success through a tailored approach that maximises efficiency and drives innovation.

DEPLOY

This POC deploys and configures Microsoft Fabric; inclusive of loading one data source (CSV/Flat file) into OneLake. Our consultants will then complete data transformation, data modelling and Power BI report creation.
All components are designed allow your organisation to successfully test and evaluate Microsoft Fabric.

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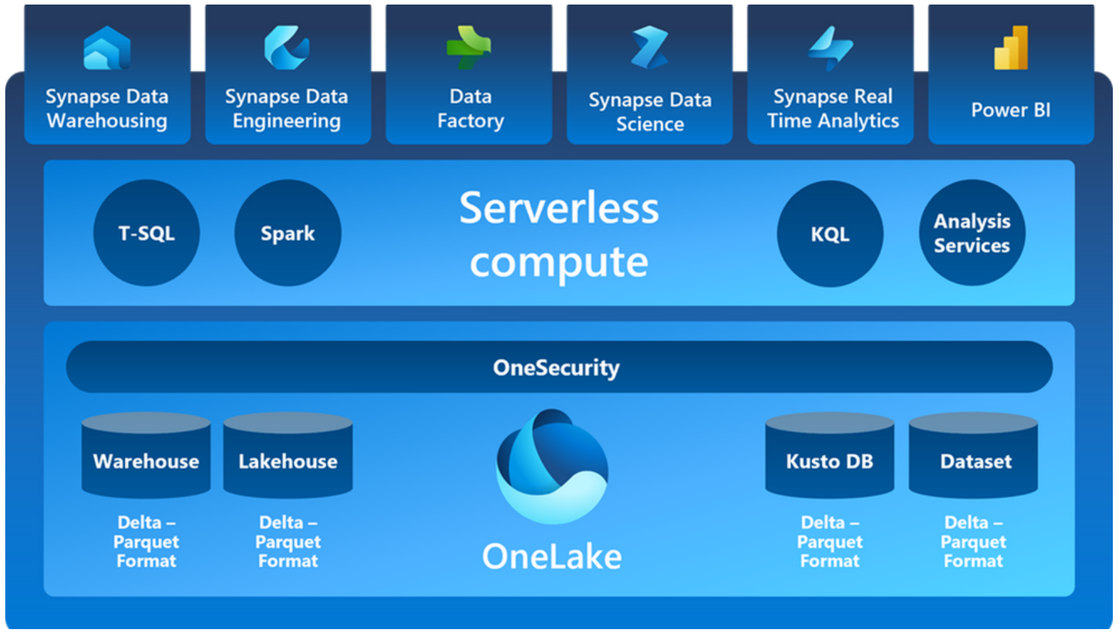
Service Overview

Embark on a comprehensive Microsoft Fabric engagement: envision and define requirements, conduct foundational technical planning, deploy and transform with OneLake integration and Power BI reporting. Conclude with training, handover, and ongoing guidance for seamless implementation.



01 Envision

Define your vision, map business requirements, and prioritise use cases for a Microsoft Fabric Proof of Concept. Lay the groundwork for a successful implementation.

02 Foundation

Conduct technical planning, design, and data discovery. Define technical requirements, adhere to best practices, and ensure security for your PoC use case.

03 Deploy & Transform

Deploy a non-production Microsoft Fabric solution, configure it, ingest a CSV/Flat file into OneLake. Prepare for transformation, modeling, and a Power BI report.

04 Training & Handover

Complete knowledge transfer and solution handover post-POC delivery. Receive guidance and next steps for a seamless transition and effective utilization of the solution.

How does it work?

Kick Off

WEEK 1

- Envision Phase
- Foundation Phase
- Setup & Configure Microsoft Fabric

WEEK 2

- Commence POC build
- Build Activities (Data Engineering, Data Model

WEEK 3

- Build Activities
- Report Design & Build
- Finalise & Sign Off POC
- Solution handover

Evaluation & Next Steps

Working alongside experienced Coeo consultants, this Microsoft Fabric Proof of Concept is designed to kickstart your use of innovative analytics technology; helping you decide if the SaaS solution is fit for purpose, will enhance your current analytics capability and will meet desired business outcomes.

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Key deliverables

Deliverable 1

Define a clear strategy for the use of Microsoft Fabric. Proof of concept requirements are outlined including, current situation, and capabilities, along with a future vision to take through to design and implementation.

Deliverable 2

Immerse in a day of workshops for detailed design and documentation. Explore high-level solution design, data engineering, security requirements, data analysis, and modeling. Receive a Backlog Task Board and Project Plan for a structured pathway to success.

Deliverable 2

Microsoft Fabric is deployed for a non-production environment. In the build phase, load data sources into One Lake, apply transformations, create a data model, and design a Power BI report with up to 2 tabs. The process concludes with a thorough handover, including sign-off, knowledge transfer.

The Team

Coeo bring their very best experienced consultants to join you on this journey of building and modernising your analytics estate.

Dan Knott

Enterprise Architect

Sam Boot

Principal Analytics Consultant

Dan Jackson

Analytics & AI Consultant

Matt Hill

Head of Pre-Sales & Technical Strategy

About us

Coeo are a Microsoft Data & AI solutions partner with over 15+ years experience in Data platform, Analytics and AI technolgies. Providing new and innovative solutions to help drive business insight with data.

Our dedicated Analytics practice enables clients to deploy, integrate, model and optimise Microsoft Azure Analytics solutions alongside experienced consultants.

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A partner you can trust

Microsoft Solutions Partner

Data & AI

Azure

Specialist

Analytics

Infra and Database Migration

Partner Pledge

Microsoft

TECHTALENT CHARTER SIGNATORY

Best Workplaces™ Medium Organisations

Great Place To Work. UK 2023

Best Workplaces™ for Wellbeing Medium Organisations

Great Place To Work. UK 2023

ISO 27001

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Speak to us today

The Microsoft Fabric Proof of concept consultancy engagmeent provided by Coeo is a key component to kickstarting your use of new analytics technology, planning how your business could use and adopt Microsoft Fabric for data innovation.

Contact Coeo today to speak to one of our experienced team to find out more.

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