Telefónica Tech

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Databricks: 5 day Proof of Concept (PoC)

Unified Analytics in One Platform

Databricks is the next-generation data and AI lakehouse-based platform that brings together all critical data capabilities in a single, collaborative environment.

Databricks is a unified, open analytics platform-as-a-service (PaaS) solution that enables data integration, large-scale data processing, advanced analytics, and AI development. This allows organisations to manage the entire data lifecycle, from ingestion to insights, without switching tools or environments. Designed to support both technical and non-technical users, Databricks provides open standards, low-code and pro-code capabilities and enables collaboration through key features such as Delta Sharing, the Databricks Marketplace, and collaborative notebooks - delivering a streamlined, scalable, and integrated experience for modern data teams.

The Benefits of Databricks

Databricks offers several compelling business and technical benefits for organisations looking to consolidate analytical workloads:

- Simplified Architecture
- Lower Total Cost of Ownership
- Faster Time to Insights
- Stronger Data Governance and Security
- Enablement of Cross Functional Collaboration
- Built-In AI & Machine Learning Capabilities
- Scalability and Flexibility
- Future-Proofing with Lakehouse Architecture

Our Approach

The Databricks Intelligence Data Platform is a single, cloud-native environment that brings together all the capabilities organisations need to work with data—from ingestion to insight to AI—on top of an open and scalable lakehouse architecture. Databricks maximises productivity, reduces complexity, and accelerates innovation, however, you may still have questions around:

- I have an existing Data Platform – should I explore Databricks?
- How do I establish governance and cost management on the new platform?
- What use-case would be most applicable for my organisation?
- Not enough people know Spark. Is Databricks still the best solution to my organisation?

In this 5 Day PoC, our Solution Architects will enable you to quickly understand the features and capabilities of Databricks, as well as relevant use-cases that can be delivered by the new solution.

Rapid 5-Day PoC

We can deliver a 5-day PoC for either a data engineering or data science use case, depending on your organisation's requirements.

Day 01

Overview of Databricks and organisation strategy: Exploring the architecture options available, defining the PoC objectives and potential use-cases, the non-functionals and a review of current data strategy and governance.

Day 02

Infra-structure deployment. For a data engineering use-case we will review data modelling & mapping, data analysis/ profiling, data storytelling and wireframing. For a data science use-case we will assess AI and ML model options.

Day 03

Complete data extraction, ingestion/cleansing patterns and transformation.

Day 04

Deliver semantic layer or ML model. Apply basic security model.

Day 05

Build reports/dashboards, EDA (Data Insights/Value) or ML model, and review use-case output.

Leading the Way in *Digital Transformation* for our Customers

Telefónica Tech unlocks the power of integrated technology, bringing together a unique combination of the best people, with the best tech and the best platforms, supported by a dynamic partner ecosystem to make a real difference to every business, every day.