



DATABRICKS DATA ENGINEERING

G-CLOUD 15

SERVICE OVERVIEW

Telefónica Tech provides full setup, configuration, and management of **Databricks Lakehouse platforms** to deliver secure, enterprise-scale **data platforms and reporting solutions**. The service enables advanced **data analytics, business intelligence, and AI**, using **Databricks SQL, Delta Lake, Apache Spark, and Databricks Machine Learning**, integrated with cloud-native data storage and analytics services.

The service supports modern **lakehouse and analytics architectures**, enabling organisations to ingest, process, govern, and analyse structured and unstructured data at scale. Proven cloud and Databricks best practices are applied to ensure platforms are secure, scalable, and production-ready.

KEY FEATURES

- Unified **Databricks Lakehouse** for data engineering, analytics, and data science
- Ingest and consolidate data from **multiple on-premises and cloud sources**
- Scalable processing using **Apache Spark and Delta Lake**
- SQL-based analytics with **Databricks SQL** across structured and semi-structured data
- Integrated **machine learning and AI** using Databricks ML
- Rapid platform deployment using **CI/CD and DevOps best practices**
- Supports **enterprise-scale analytics** for large and complex datasets
- **Secure by design**, with fine-grained access control, encryption, and governance

SERVICE BENEFITS

- Prepares data and platforms for **advanced analytics and AI use cases**
- Simplifies analytics by combining **data engineering, BI, and data science**
- Makes governed data available to **downstream systems and services**
- Supports complex reporting through **interactive SQL analytics**
- Provides a scalable **data science and machine learning environment**
- Enables performance tracking against **business and customer KPIs**
- Built with **security and governance** as standard

Thank you

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