

Optimize your Databricks Deployment with Amdocs

Common Data Challenges of Large Enterprises

Many large enterprises looking to innovate and lead, are frustrated by the limitations of their own data that prevents them from finding more business-driven insights and intelligence. This can be for many reasons: data may be siloed across multiple business units, managed in legacy architectures or not be accessible across the enterprise. Developing new data products and getting them into production for the intended audience may be slow and expensive. And that's just for typical reporting and analytics, to say nothing of more complex Machine Learning and AI initiatives.

The Databricks Data & Intelligence Platform Could Help

Many enterprises facing these challenges have deployed, or are considering deploying, the Databricks data & intelligence platform. Databricks offers broad capabilities to help enterprises get their data in order, deploy it for Machine Learning, and create the foundations for Generative AI.

With Databricks, enterprises can unify their data, enhance data security, improve data searches, make data accessible to the organization, find intelligence in their own data and more.

However, implementing and optimizing Databricks is far from trivial and frequently requires assistance from Databricks experts.

Get the Most from your Databricks Investment with Amdocs

This is where Amdocs can help. Amdocs' consultants and mentors have a long pedigree in successful deployments of Databricks projects, from standard "Lakehouse" architectures to robust Machine Learning Operations (MLOps). With many years of deep understanding in best practices on Databricks, we can ensure you derive the most value from your Databricks deployment in the fastest timeframe. Amdocs offers:

- **Amdocs' "Platform Approach"** – This approach leverages field-hardened Amdocs IP to accelerate time to value and ensure security and compliance on Databricks. The platform approach uses out-of-the-box reference architectures, Infrastructure as Code (IaC) blueprints, standardized implementations that ensure security, governance, and compliance, and more.
- **Scalable Data Governance** – For enterprises that are looking to scale and also provide their organization with self-service access to data, we can deploy a proven-at-scale data mesh architecture. This allows enterprises to scale data governance, supporting a maintainable and sustainable approach to self-service Business Intelligence and analytics.
- **Cost Optimization** – Our strategies for cost cutting have reduced infrastructure costs in existing Databricks environments – for one customer cutting monthly spend by over 90%!
- **MLOps, Generative AI, GenOps** – Amdocs offers reusable processes and patterns that will help you scale your Machine Learning (ML) and GenAI initiatives.

When to contact Amdocs?

- **Greenfield Databricks Deployment** – Are you considering or kicking off a Databricks deployment? Get started on the right foot with Amdocs' consulting and mentoring services.
- **High Databricks Costs** – Are your monthly infrastructure charges higher than expected? Our FinOps experts can help reduce charges significantly.
- **Governance Challenges** – If you wish to roll out self-services data services to more teams, we can quickly validate whether a data mesh is the right approach for you.
- **Cannot Scale Data Science and ML projects** – Facing difficulties scaling your ML operations? Check out Amdocs' MLOps Foundations solution.

For more information, contact us at cloud@amdocs.com

Data Mesh Platform for a leading APAC telco

A major telecoms company in APAC was suffering from:

- Outdated legacy systems architecture.
- Siloed data assets across business units.
- Disorganized business needs.
- High cost of maintenance.
- Long development times for data products.

Amdocs implemented a data mesh platform on Azure leveraging Microsoft Purview, Azure Databricks, Azure Data Factory and Databricks SQL.

Outcomes

- End to end data visibility.
- Increased data quality.
- Enhanced data lineage.
- Reinforced security.

KPI's

- Increased automation by 60-70%.
- Reduced Time to Market by 50%.
- Cost savings of 55%.

Amdocs for Databricks is part of Amdocs' GenAI Readiness offerings, which include:

- MLOps foundations.
- ML Operations.
- MLOps advisory.
- GenOps.