unravel™

databricks

DATA SHEET

UNRAVEL FOR DATABRICKS

Make the Most of Your Databricks Platform

Unravel Data simplifies the way data teams monitor, observe, manage, troubleshoot, and optimize the performance and spend utilization of large-scale modern data applications on Databricks. Unravel also accelerates your migration to Databricks by providing a cloud data migration assessment with actionable insights.

Data is now at the heart of all modern businesses. Most businesses are struggling to extract the full value of data as planned. The absence of modern data management capabilities and under-skilled or understaffed teams are a couple of the key reasons why many organizations are still struggling to derive more value from their data. To overcome these challenges, enterprises are adopting cloud-based data and analytics platforms like the Databricks Lakehouse Platform — a simple, open, and collaborative platform for all their data.

Whether you're trying to move your on-premises data to Databricks or you want to make the most of your Databricks platform, Unravel can help. Unravel can assist you with migrating your data to Databricks and, once you are on Databricks, enable you to increase workload performance at a lower cost.

Unravel for Databricks addresses the following key use cases:

- Plan and Migrate to Databricks
- Manage and Optimize Databricks

Plan and Migrate to Databricks

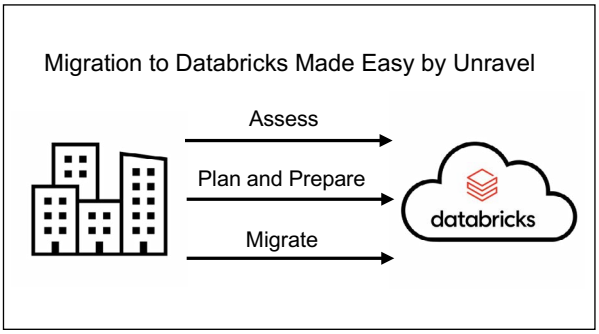
Migration of on-premises data to Databricks can be challenging, and it's possible to go over budget and miss deadlines. This can have a direct impact on the business application underneath. With an in-depth assessment of your data workloads being migrated, Unravel's cloud data migration assessment can minimize data migration barriers and empower you to have a smoother, faster migration.

There are numerous ways to migrate your data to the cloud. However, each solution has its own set of benefits and drawbacks. It's a good idea to go with a solution that is established, proven, and comprehensive. Unravel provides you full visibility and understanding of your entire data environment, highlighting the best data applications to migrate, minimizing migration bottlenecks, maximizing cost savings, and simplifying the process.

Unravel cloud data migration assessment has two options to help you determine how ready you are for your migration to Databricks: Basic Assessment and Deep Assessment.

Cox Automotive has used Unravel Data to save time, save money, and keep their data pipelines flowing. "Unravel is a really useful tool if you're interested in observability and optimization in your Spark jobs. We're trying to do a lot of things around optimization for our platforms at the moment. So we're using Unravel to optimize our virtual machine choice on Databricks, optimize our jobs, making them quicker and making them cost less."

- James Fielder, senior data engineer, Cox Automotive



Assess (Basic Assessment)

- Don't guesstimate. Fully understand migration and operational cost of data applications, data users, data projects, and business units that you plan to move to Databricks, before you migrate.
- Slice and dice workloads by app type, users, etc. to understand how those resources can map to a target destination.
- Forecast cloud spend and budget based on capacity or actual consumption.
- Keep track of the compatibility of ecosystem components' versions.

Duration: 45 days

Plan (Deep Assessment)

- Carve out a migration plan to Databricks with confidence by understanding application and data level dependencies to ensure nothing is overlooked during migration. You can easily determine what stays and what goes to Databricks.
- Baseline app performance today for comparison against cloud future state SLAs to define apps have been migrated successfully.
- Get a detailed implementation plan (man hours needed for each migration phase, sprints based on dependencies) to ensure migrations meet deadlines with no surprises.

Duration: 90 days

Deploy

- Test, fix, and verify data workloads before shifting to avoid taking inefficiencies into Databricks
- Leverage Unravel's AI-driven proactive recommendations to ensure apps are tuned for efficiency before migrating to Databricks.
- Migrate confidently. Get real-time visibility into what's working and what's not working in a cloud service. Use Unravel to fix errors, inefficiencies, slowness, and resource abuse in Databricks.

Manage and Optimize Databricks

Unravel provides full stack visibility into Databricks workloads to ensure operational stability. It enables you to simplify data operations, improve resource performance, and optimize the spending and utilization of Databricks.

Cost 360 for Databricks

- Improve governance over cost and gain visibility into your existing cost and utilization trends.
- Leverage the chargeback feature to allocate costs to internal users to improve accountability, cut waste, and empower data teams to spend efficiently.
- Set a customized budget that notifies you if you exceed (or if you are expected to exceed) the limits that you have set.

Full stack observability for Databricks

- Monitor, observe, and detect anomalies proactively, and enable informed corrective actions across Databricks instances and workplaces.
- Pinpoint issues at the source with instant root cause diagnostics and resolution of application failures and slowdowns in Spark applications and data pipelines.
- Operationalize data pipelines with AI-powered automation. Define complex auto-actions for tuning and troubleshooting performance.

Support for Databricks Delta Lake

- Configure the application to fetch the metadata of the Databricks Delta tables and monitor them from the Data tab of the Unravel UI.
- View Delta tables-related data insights on the tables page, like Delta table format, size of tables, number of partitions created over time, table metadata, etc.

Next steps

Start your cloud data migration journey today. Talk to our migration experts.

See what Unravel can do for you. Start your free trial today.