

Deloitte's Migration Factory for Databricks Lakehouse

An established approach to enterprise data & analytics cloud migration & modernization

Moving and modernizing your data and analytics capabilities from a legacy environment to a modern cloud-native platform can be challenging. Deloitte's Migration Factory provides an end-to-end solution by automating the migration design, build, and operate phases to enable powerful data insights while helping reduce risk and cost for your organization. To deliver a successful on-time data modernization journey Deloitte's Migration Factory stands up the Databricks Lakehouse technical environment and addresses data operation, data governance, cyber/cloud data security, and change management.



The case for cloud migration

Too often, enterprises are spending valuable time and money running and maintaining legacy technology. The current imperative is to bring together data and processes through a best-in-class cloud data platform that optimizes use-to-cost ratio and permits capabilities and innovation across the enterprise. Designed as a unified platform capable of supporting nearly unlimited concurrent analytic workloads, Databricks' data capabilities and cognitive tools are unleashing innovation and efficiencies to drive competitiveness and opportunity.

Still, forging a path to the Databricks Lakehouse has many challenges. In many cases, complexity in legacy data and analytics systems was introduced over time as business needs evolved, and unwinding this complexity is made harder because so much of it is unknown at the outset. Meanwhile, there is often little or no documentation for existing processes, and what does exist is often outdated. When moving data assets to a new platform, processes need to be reverse engineered, which is time intensive. And amid this, the business does not stop evolving during migration; it is a moving target from which to migrate.



Why Deloitte?

What is needed is a trusted pathway to value where risk is minimized and returns on investment are expedited. Deloitte's Migration Factory offering can help you confidently leverage Databricks as your cloud migration solution. Our approach helps you achieve fast and efficient largescale migration to realize the greatest agility, cost reduction, and expectations of your business case.

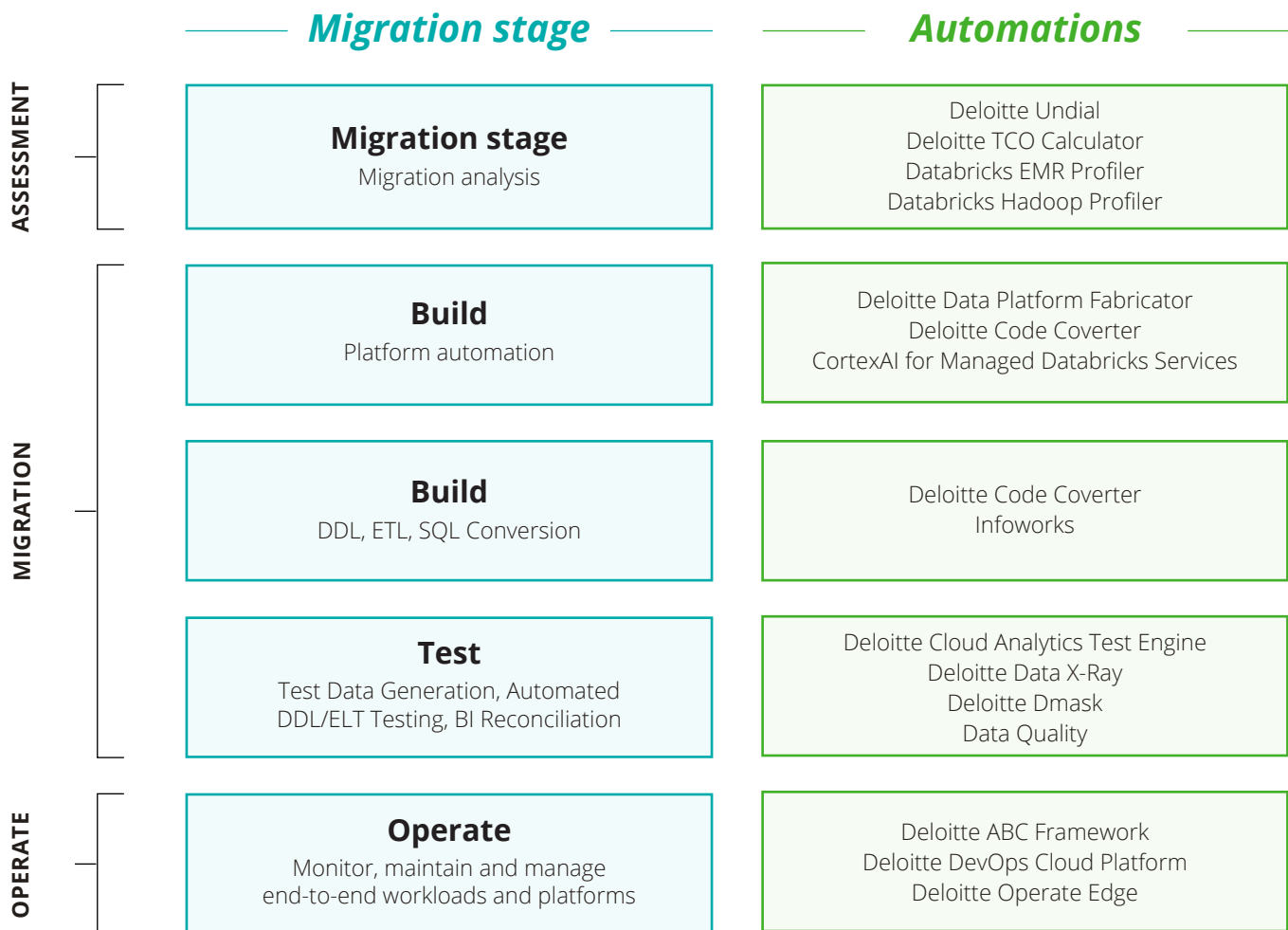
As a Databricks Global Elite Partner, Deloitte maintains a deep knowledge of the Databricks tech stack, its capabilities, and the legacy technologies being migrated from, which enables us to fully understand the considerations for translation between your current and future platforms. We understand industry needs, business processes and data, the common migration challenges that arise, and we bring a proven approach that can deliver continuous business value.

Our Approach

Across three phases, our automation-led approach can help mitigate risk and accelerate delivery:

PHASE 1 Migration strategy and planning

We begin by assessing current state capabilities to establish the business case and detail the migration roadmap. Using Deloitte's Greenhouse® Breakthrough Labs, we help you define your vision and priorities and prepare to use automation to dramatically decrease the time needed to complete core migration activities. We conduct a bottom-up analysis to capture hard data points, and with far greater visibility into the existing architecture than is traditionally possible, we are better able to mitigate risk in the migration (see graphic).





PHASE 2

Rehost, enhance, and optimize

With a clear plan and understanding of your data, we take an automation-first approach for implementing your migration roadmap. Here we set up the baseline environment, migrate legacy workloads, conduct integration testing, and sunset the legacy system. We also execute parallel runs between the legacy and new platforms, certifying the data with reconciliation testing. By using automation, we can achieve significant efficiencies in work effort and acceleration in timelines for code migration analysis, legacy code conversion and data/report validation.

PHASE 3

Data and analytics ops

Thriving on the new platform, you are positioned to seize new efficiencies as you scale platform usage only when needed to support modernized processes and applications. We deliver support after go-live to address any issues and provide end-to-end data life cycle monitoring, processing, and operational support. Through this process, we can help you reinvest cost savings for innovation and continuous improvement.

What this means for your organization



Transformation for scale:

Modernize processes and applications to dynamically scale platform usage as needed and do so in a way that optimizes your use-to- cost ratio.



Overcome complexity:

Transform with confidence as we bring the knowledge and tools to make sense of the data, familiarity with technology platforms, and the technical proficiency with Databricks and the cloud service provider's native services to deliver targeted results.



Maximum efficiency, minimized risk:

Achieve expedited and efficient migration to realize the greatest agility, cost reduction, and expectations of your business case.



Return on Investment:

By replacing expensive legacy data and analytics systems, your cloud migration can pay for itself.

Ready for your journey to cloud modernization?

The time is now to modernize your data. Deloitte's Migration Factory for the Databricks Lakehouse can enable your organization's efficient and reliable migration journey.

If you are ready to get started, please reach out to discuss your objectives and how Deloitte and Databricks can help you achieve them with confidence.

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