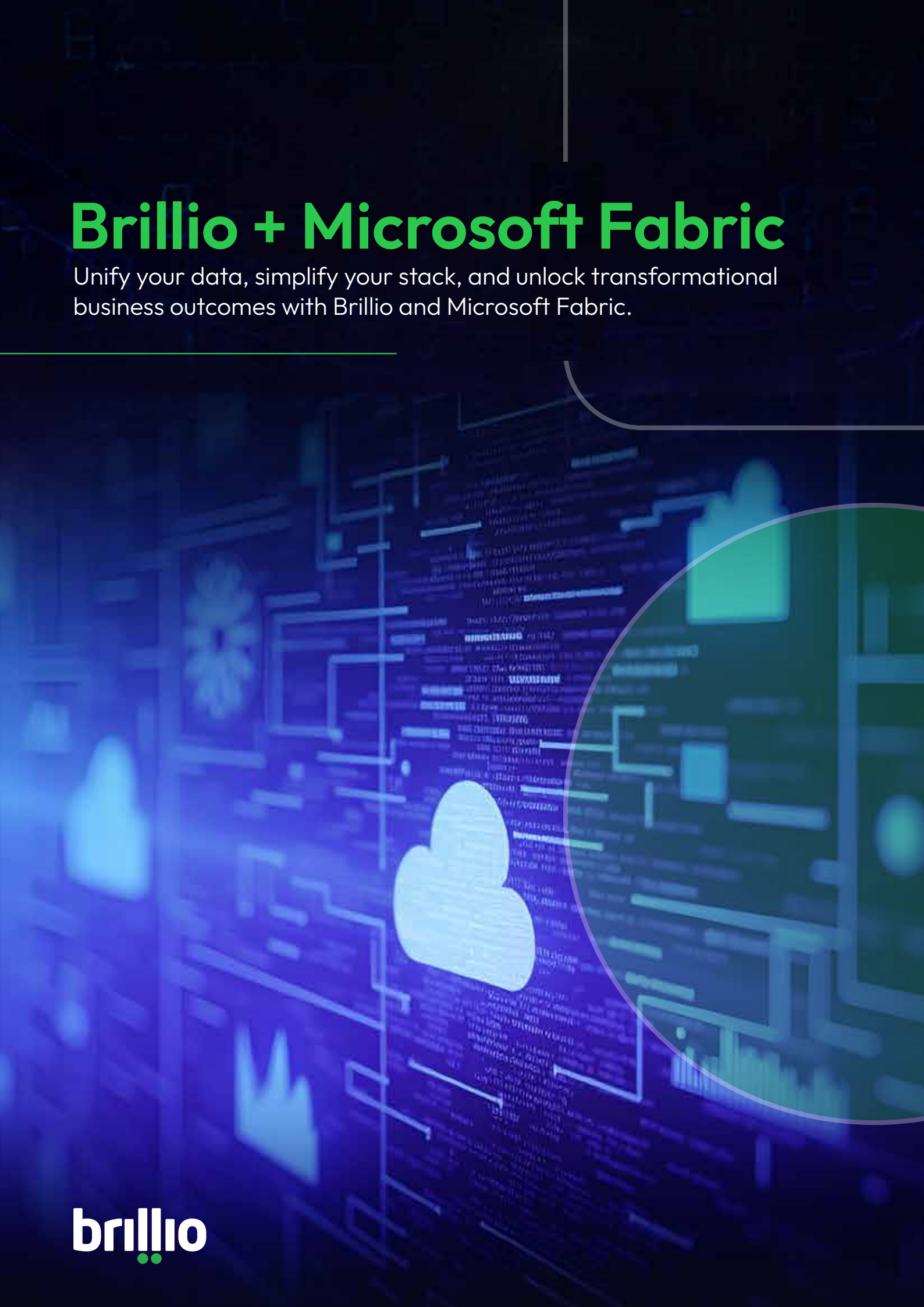
Brillio + Microsoft Fabric

Unify your data, simplify your stack, and unlock transformational business outcomes with Brillio and Microsoft Fabric.



brillio

Today's enterprises are facing unprecedented complexity in managing data across silos, legacy systems, and disconnected analytics tools. Brillio helps organizations streamline this complexity by unlocking the full power of Microsoft Fabric - a unified, AI-powered, SaaS-based analytics platform that seamlessly integrates data ingestion, engineering, governance, visualization, and advanced analytics.

Microsoft Fabric offers a unified SaaS-based platform that brings together key analytics workloads, including data engineering, warehousing, real-time analytics, data science, and business intelligence within a single environment. Fabric enables both lakehouse and data warehouse architectures, with OneLake serving as the unified storage layer. By eliminating tool fragmentation and siloed pipelines, it provides a streamlined user experience across roles and data sources.

Brillio's Blueprint for Data Modernization Using Microsoft Fabric

A proven framework that ensures your Fabric journey is aligned to business priorities, executed with precision, and optimized for scale.

Brillio's data modernization journey with Microsoft Fabric is rooted in four stages, ensuring business value, platform alignment, and minimized risk:

Understand Business & Technology Imperatives – Align business goals with technical realities and understand the current state of data systems, analytics needs, regulatory requirements, and existing infrastructure constraints.

Define the Right Engagement Approach – Shape the optimal operating and delivery model based on readiness, value, and risk posture.

Identify Strategic Entry Points – Pinpoint where Microsoft Fabric can deliver the most immediate impact, such as platform end-of-life transitions, governed self-service BI initiatives, or regulatory compliance workloads.

Design, Transition & Manage in Fabric – Architect and implement Fabric-native solutions that integrate seamlessly with your ecosystem.

Where Fabric Shines: High-Impact Use Cases for Microsoft Fabric

From real-time pipelines to ML-ready feature stores, Brillio enables high-value use cases powered by Fabric's unified architecture.

Microsoft Fabric enables a wide range of high-impact analytics and AI use cases by consolidating engineering, storage, and visualization into a single platform.

- **Big Data Transformation:** Reduced file processing time by 40% using optimized Delta Lake pipelines.
- **Streaming Data Processing:** Built scalable, PII-compliant pipelines with real-time ingestion and audit layers.
- **Enterprise Reporting Modernization:** Achieved 70% faster Power BI readiness by centralizing reporting on

the lakehouse.

- **Enablement & Feature Stores:** Delivered models 50% faster with Fabric's built-in Spark and data science workspace.
- **MLOps Integration:** Seamlessly deployed AI pipelines using MLflow within Fabric's governed environment.

Structured Offerings to Operationalize Fabric at Scale

Modular offerings designed to meet you where you are, whether planning a greenfield launch or scaling production workloads.

Brillio delivers a phased set of offerings to help enterprises adopt Microsoft Fabric efficiently and securely, from strategy through scale.

- **Planning and Roadmap:** Assessment of the current data landscape to design a Fabric-aligned platform and define a future-ready modernization roadmap.
- **Infra Planning and Deployment:** Definition and deployment of infrastructure components for Fabric, including hub-and-spoke network topology for greenfield or brownfield use cases.
- **Greenfield Data Warehouse, Lake, and Lakehouse:** Deployment of targeted data platforms (starting as MVPs) that allow clients to operate with minimal changes to existing systems.
- **Transitioning to Fabric:** Execution of Spark and SQL workload migration plans while leveraging OneLake for unified data access and management.
- **ML Enablement at Scale:** Building of data products for the data science lifecycle, including model discovery via Purview and industrialization through MLOps.
- **Reporting and Visualization:** Enablement of BI and self-serve analytics for insight democratization, supported by an intuitive rules engine and self-service portal.

Intelligent Accelerators to Fast-Track Microsoft Fabric Success

Tools and frameworks built from real deployments to help you migrate faster, govern smarter, and operationalize AI with confidence.

Brillio enhances every stage of the Microsoft Fabric journey with a robust suite of accelerators designed to streamline delivery, ensure governance, and reduce time to value. These tools have been purpose-built from real-world implementations to address key needs such as migration, reporting, machine learning, and compliance.

From our Intelligent Migration Suite and DASH framework for seamless platform transitions, to metadata extractors, lineage validators, and the Trust Suite for enterprise-grade governance, Brillio's accelerators deliver repeatability, scalability, and speed. We also offer AI-specific tools such as ModelOps pipelines, NLP and CV suites, and annotation frameworks, all optimized to run natively within Fabric's unified environment.

From Synapse to Microsoft Fabric: A Secure, Scalable Migration Path

A structured and low-risk approach to re-platforming your analytics workloads - Spark, SQL, and Power BI – into Fabric-native services.

For organizations currently operating on Azure Synapse, Brillio offers a clear and structured pathway to Microsoft Fabric. By aligning service architecture, workload compatibility, and governance requirements, we help clients confidently re-platform from legacy components to Fabric's unified analytics stack.

Microsoft Fabric unifies analytics services, previously distributed across ADF, Synapse, and Power BI, into a single platform. This integrated architecture enables centralized data access and orchestration through services like Data Factory, Synapse Data Engineering, and Power BI, all underpinned by OneLake. Our migration analysis begins by identifying workload alignment:

In **Fabric Engineering,** we assess Spark pool migration, pipeline recreation, notebook imports, and OneLake storage mapping.
In **Fabric Warehousing,** we analyze serverless SQL usage patterns, transform CETAS statements into SQL views, and prepare Power BI workloads for re-platforming.

From there, we execute structured migration workstreams that guide the transition from Synapse to Fabric, step by step:

- **Identify artefacts** to be migrated, including pipelines, schedules, notebooks, metadata tables, Spark pools, KQL, and transformations.
- **Create Fabric workspaces,** configure OneLake as the unified data layer, and set up lakehouse experiences within the Data Engineering environment.
- **Identify and connect data sources,** upload files, and configure pipelines to ingest and route data, including real-time streams via Event Stream.
- **Import notebooks** by uploading them into Fabric or migrating from local or Synapse environments in bulk.
- **Recreate pipelines** using Fabric's Data Factory interface and define required transformation logic.
- **Configure orchestration** to schedule and automate pipeline execution across varied data flows.
- **Monitor activity** holistically through the Monitoring Hub, with visibility across all workspaces and applied filters.

Proven Results from Brillio's Microsoft Fabric Engagements

Real-world success stories across industries, showcasing the impact of Fabric-powered modernization delivered by Brillio.

Unlocking 5x Analytics Performance for a Leading Financial Institution

Brillio partnered with a leading bank to develop a cloud-native data platform using Microsoft Fabric and

Databricks. The solution unified fragmented data sources across business groups into a single source of truth, enabling scalable, multi-layered reporting. Brillio led architecture design, environment setup, and data flow optimization to ensure seamless transformation and operational efficiency.

Business Impact:

- 5x expected improvement in performance.
- Elimination of on-premises infrastructure costs.
- Enhanced reliability through Azure-based architecture.

Modernizing Fintech Data Architecture for Secure Scalability

A leading fintech organization partnered with Brillio to replace its disconnected data systems with a unified, cloud-native architecture using Microsoft Fabric. Brillio conducted a detailed assessment to identify ingestion and transformation bottlenecks, then deployed a secure, scalable platform leveraging automation, intelligent agents, Azure DevOps, Pipelines, and Microsoft Pureview integration. The result was faster decision-making, improved data reliability, and streamlined costs across the enterprise.

Business Impact:

- Improved data access and reporting consistency.
- Enhanced data security and reliability.
- Greater scalability and architectural flexibility.

Powering Real-Time Insights for a Global Life Sciences Leader

Brillio helped a life sciences client build a real-time data pipeline using Microsoft Fabric and Databricks to process device telemetry data. The solution enabled automated error handling, metadata-driven processing, and AI-assisted insights. This allowed clinical stakeholders to act on accurate data faster, supporting critical, real-time decision-making.

Business Impact:

- Improved data integrity and compliance.
- AI-enhanced troubleshooting.
- Reduced manual effort and increased throughput.

Fast-Tracking Synapse-to-Fabric Migration for a Video Game Publishing Giant

A global video game publisher partnered with Brillio to migrate their analytics workloads from Azure Synapse to Microsoft Fabric with minimal disruption. Brillio conducted a detailed assessment, transferred pipelines and Power BI reports, and used agentic monitoring to optimize performance, achieving a scalable and cost-efficient reporting landscape.

Business Impact:

- 90% improvement in Direct Query performance.
- 24% faster data refresh cycles.
- 50% better performance in import mode.

ABOUT BRILLIO

Brillio is a digital technology services company that drives AI-first engineering and design-led experiences for global enterprises. Born digital in 2014, its consulting-led services span Customer Experience, Data & AI, Product Engineering, and Digital Infrastructure. With an industry-leading NPS of 71, Brillio accelerates time to market through its proprietary BrillioOne.ai platform, powered by AI-ready talent with deep domain expertise.

Brillio is the official Digital Transformation Partner and the official Data and AI Services Provider of Atlassian Williams Racing. Brillio partners with leading technology providers including Microsoft, AWS, Google Cloud, Salesforce, Adobe, Databricks, and Snowflake and operates with 6,000+ “Brillians” across 15 global delivery centers. Consistently recognized as a Great Place to Work® since 2021, Brillio blends innovation, talent, and purpose to deliver measurable outcomes for clients and fulfilling careers for employees.

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