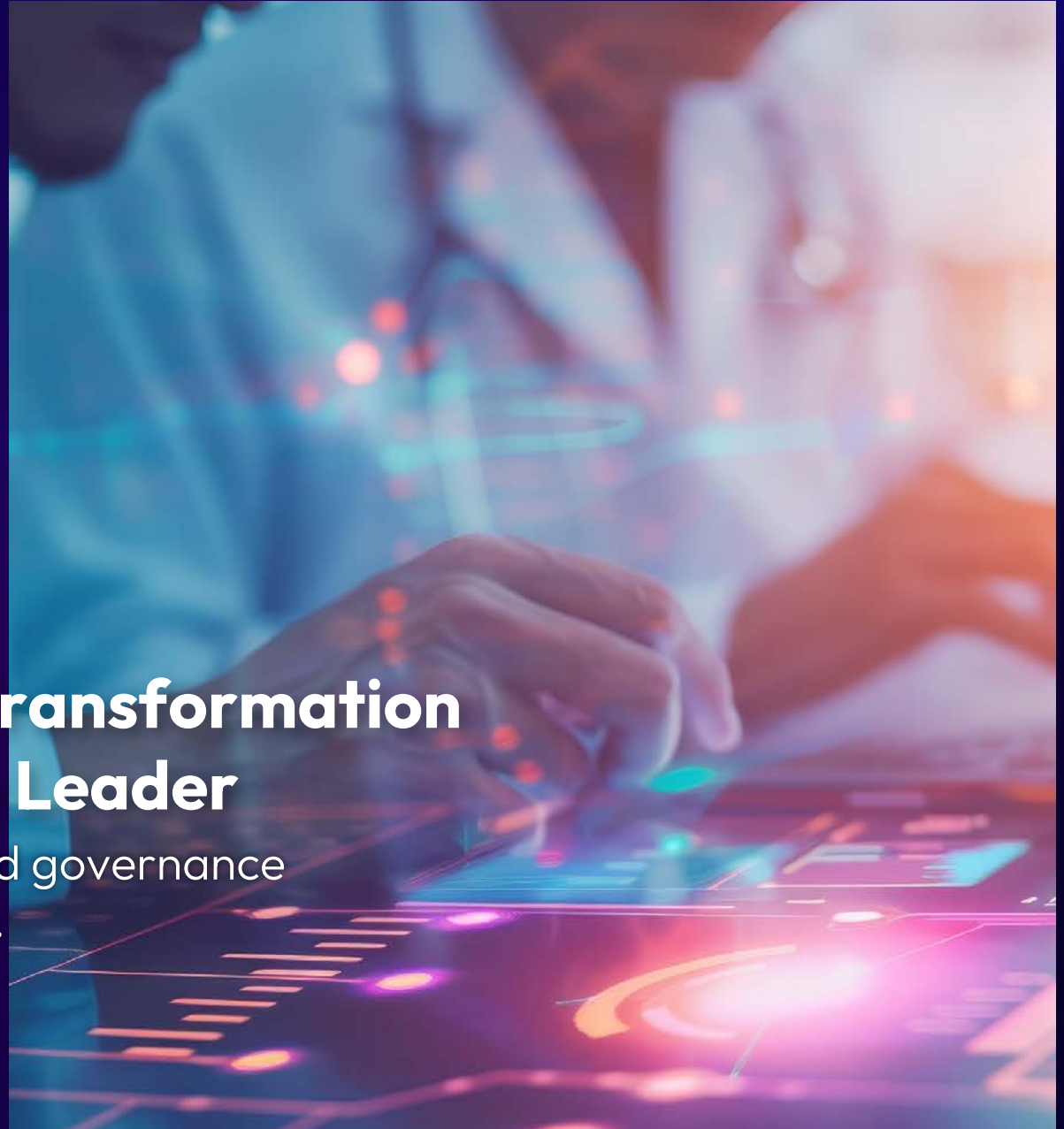




Driving Cloud-First BI Transformation for a Global Healthcare Leader

Accelerating analytics adoption and governance
through a unified BI portal on AWS.



A leading global healthcare company, operating in over 80 countries, set out to advance its cloud-first analytics strategy as part of a broader digital transformation initiative. Recognized for its mission to defeat chronic diseases and promote sustainable healthcare, the organization sought to modernize its business intelligence landscape to foster greater agility, transparency, and collaboration across global operations.



Overcoming Complexity in a Fragmented BI Ecosystem

As data volumes grew across regions and functions, the company faced increasing complexity in managing reporting and analytics. BI content was dispersed across tools such as Power BI, Qlik, Tableau, and SharePoint, creating silos that hindered governance and delayed access to critical KPIs. This fragmentation limited visibility, made decision-making reactive rather than proactive, and burdened teams with redundant manual processes. To address these challenges, the organization identified the need for a unified BI platform capable of integrating multiple tools into a single governed interface – one that would enhance data accessibility, streamline reporting, and enable real-time, data-driven decisions.

With a strong cloud expertise and proven track record in delivering enterprise-grade BI modernization on AWS, Brillio emerged as the ideal partner to spearhead the endeavor. Brillio's approach focused on integrating Metric Insights with the company's existing BI ecosystem to establish a centralized analytics portal that combined scalability, security, and high availability. Drawing on deep experience in AWS architecture, governance, and cost optimization, and leveraging its background in building secure, compliant cloud solutions for global enterprises, Brillio was uniquely positioned to accelerate the client's transition toward a cloud-first analytics framework that could scale with business growth.

Multiple tools and disconnected reporting workflows slowed decision-making and insights.

Architecting a Unified, Scalable BI Portal

Metric Insights on AWS was designed and deployed as the foundation of a scalable, secure BI portal. The solution architecture supported both a single-node and cluster deployment model. The single-node approach, hosted on Amazon EC2, provided simplicity and cost efficiency for smaller environments or proofs of concept, while the cluster mode, built on Kubernetes (EKS), offered advanced container orchestration with auto-scaling, high availability, and fault tolerance to support global operations.

At the data layer, Brillio implemented Amazon RDS with MySQL or PostgreSQL, ensuring reliable, compliant, and cost-efficient storage. By integrating BI content from Power BI, Qlik, Tableau, and Share-Point into one cohesive platform, the solution centralized governance and accelerated access to business insights while maintaining the security and performance required for enterprise-wide analytics.

A secure, modular design powered by AWS services and flexible deployment models.

A Collaborative Deployment Journey

The engagement began with a series of workshops and assessments that brought together business and IT stakeholders to define reporting challenges, establish KPI frameworks, and evaluate existing BI tools. These sessions also assessed infrastructure readiness for AWS deployment and identified the most suitable architecture, selecting the single-node EC2 setup with Docker as the optimal starting point.

The co-innovation phase involved close collaboration with client teams to design a solution blueprint that seamlessly integrated Metric Insights with existing BI platforms. The portal's governance models, user interface, and access controls were customized to ensure an intuitive experience aligned with the company's operational and compliance standards.

Implementation followed a structured environment setup across Development, QA, and Production. In the development phase, Brillio built and tested the core Metric Insights portal on AWS EC2 using Docker containers and Amazon RDS (MySQL/PostgreSQL). During QA, integrations, security, and performance were validated under controlled conditions. The production rollout then deployed the fully optimized solution, fine-tuned for reliability, scalability, and compliance. This phased, collaborative process ensured a seamless transition from prototype to global production while fostering user confidence and operational readiness.

Workshops,
co-innovation, and
an agile delivery
model ensured
global adoption.

Delivering Tangible and Strategic Impact

The implementation delivered measurable business benefits across multiple dimensions. The client achieved shorter deployment times thanks to rapid setup and automated provisioning using AWS EC2 and Docker, which simplified the go-live process. The single-node architecture minimized infrastructure and operational costs while meeting current analytical demands, driving significant cost reductions without compromising performance.

Through a centralized BI portal, teams across global operations gained faster access to KPIs and dashboards, improving the organization's time-to-value and enabling proactive decision-making at every level. Increased user

adoption and reduced reporting overhead contributed to a stronger ROI, with measurable productivity gains across business units.

Sustainability objectives were also advanced: the cloud-based deployment on AWS optimized resource utilization and reduced on-premises hardware dependency, lowering the overall environmental footprint. Beyond the quantifiable outcomes, the solution fostered enhanced governance, improved data transparency, and stronger collaboration between business and IT, creating a culture of insight-driven innovation that continues to evolve.

Faster time-to-insight,
reduced costs, and
sustainable data
operations across the
enterprise.



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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