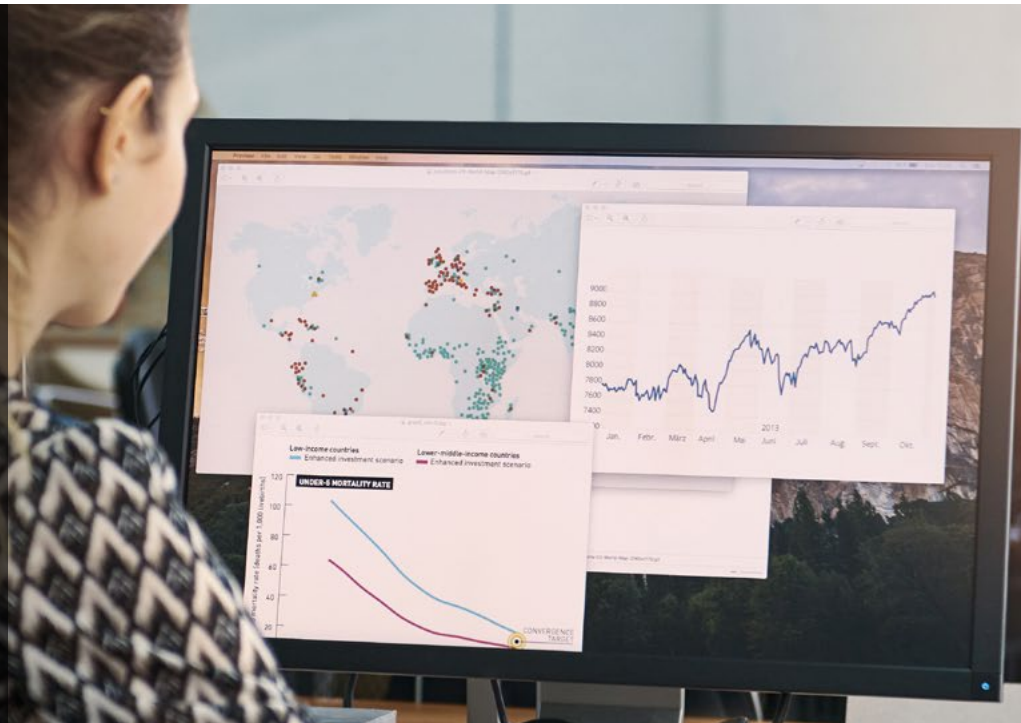


GlobalLogic Data Platform Accelerator

An end-to-end data platform that enables you to turn data into knowledgeable and actionable insights by gathering, transforming, and enriching data from across your enterprise



Implement a fully functional data platform within days, not months

Although extracting value from data across an enterprise is imperative, many businesses struggle with the challenges of big data architecture, technology stacks, and hosting capabilities that are required for ramp-up.

GlobalLogic's Data Platform Accelerator enables businesses to implement a fully functional, end-to-end data platform within a target or greenfield cloud account within days instead of months. Leveraging cloud native PaaS technologies, the Data Platform Accelerator helps businesses gather enterprise-wide data, transform and enrich it, and deliver it to analysts for extracting value and insights.

Core Platform Capabilities

- Data source, project, job, and user management
- Supports various data integration patterns (structured batch-push, structured batch-pull)
- Standard data integration zones (raw, staging, refined)
- Well-scoped hot and cold (archive) zones, enabling custom DLM/ILM solutions
- Sophisticated, out-of-the-box data analytics and AI/ML capabilities powered by Databricks platform
- Customizable data warehouse solution powered by Hive Metastore and Databricks platform
- Ingress/egress endpoints (API,J/ODBC), enabling ingestion and data usage by external analytics solutions
- Flexible role-based access control across the platform

Portal Capabilities

- Platform Portal**
 - Authorization and authentication
 - Services integration hub
- Data Platform Configuration**
- User Management
 - Registration
 - User role assignment
- Data Source Management
 - Manual and automated schema registration
 - Ingress endpoint management
 - Fully automated resource provisioning
 - Ownership and access control management
- Project Management
 - Specifying source data source(s)
 - Egress endpoint(s) management
 - Fully automated resource provisioning
 - Ownership and access control management
- Job Monitoring and Management**
 - High-level job tracking and monitoring
 - Self-service analysis and troubleshooting

Technology Stack

- Data Processing, Orchestration and Operation**
 - Azure AD
 - Azure Data Lake Gen2 and Blob Storage
 - Azure Data Factory
 - Azure Databricks
- Portal and Processing Operation**
 - Microservices (Azure Kubernetes Service, Helm)
 - Networking (Azure Virtual Network, Azure Network Security Groups)
 - SQL (Azure SQL Server, Azure SQL Database)
 - Security (Azure KeyVault)
- Cross-cutting**
 - Can be integrated with Azure Classic alerting, logging, and monitoring
- Infrastructure**
 - Terraform
 - Helm

GlobalLogic Data Platform Accelerator

Add value through standardization, consistency, and reuse

The Data Platform Accelerator enables businesses to quickly deploy a centralized, next-gen platform to store and process data — even with limited technical knowledge. The accelerator adds significant value by:

- Eliminating silos that create roadblocks in generating insights
- Enabling consistency around infrastructures, technologies, pipelines, and processes
- Providing transparency around available data/adaptors/pipelines to eliminate inconsistencies and duplications
- Enabling role-based access control across data, data processing, platform configurations and APIs
- Jump-starting the data science team’s ability to create AI/ML models

