

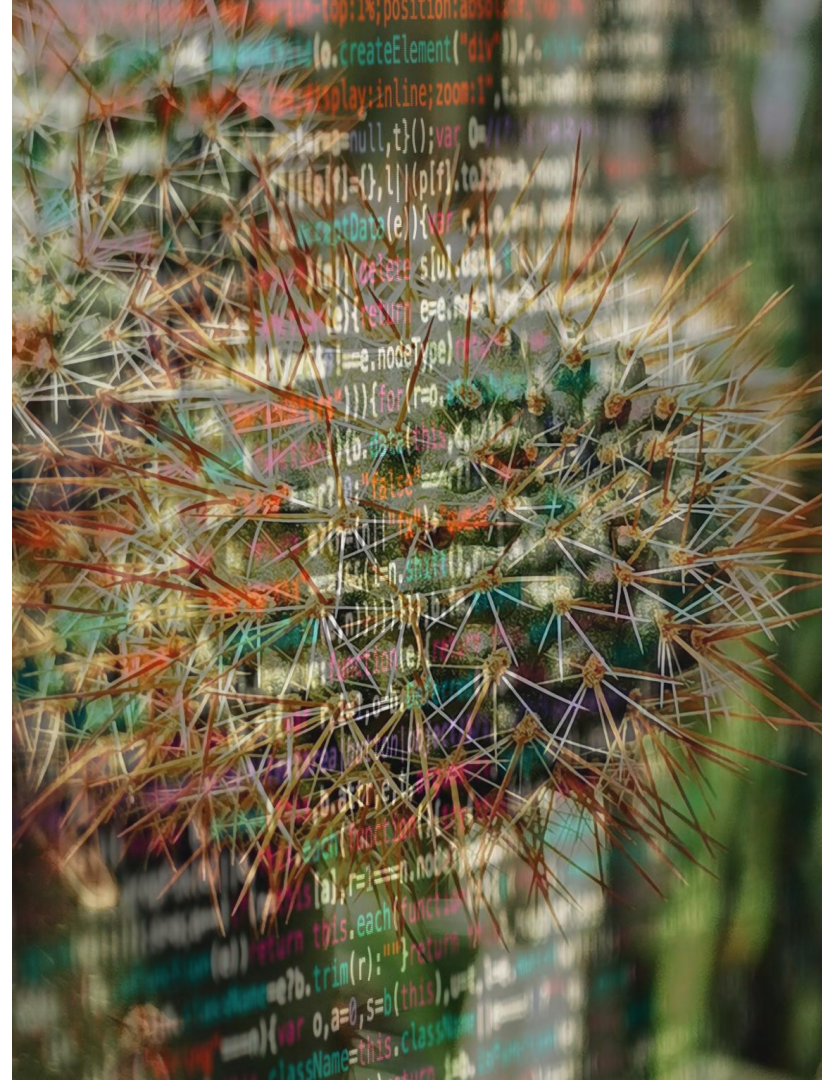
GlobalLogic®

GlobalLogic Data Platform

Data | Challenges... *Sounds Familiar?*

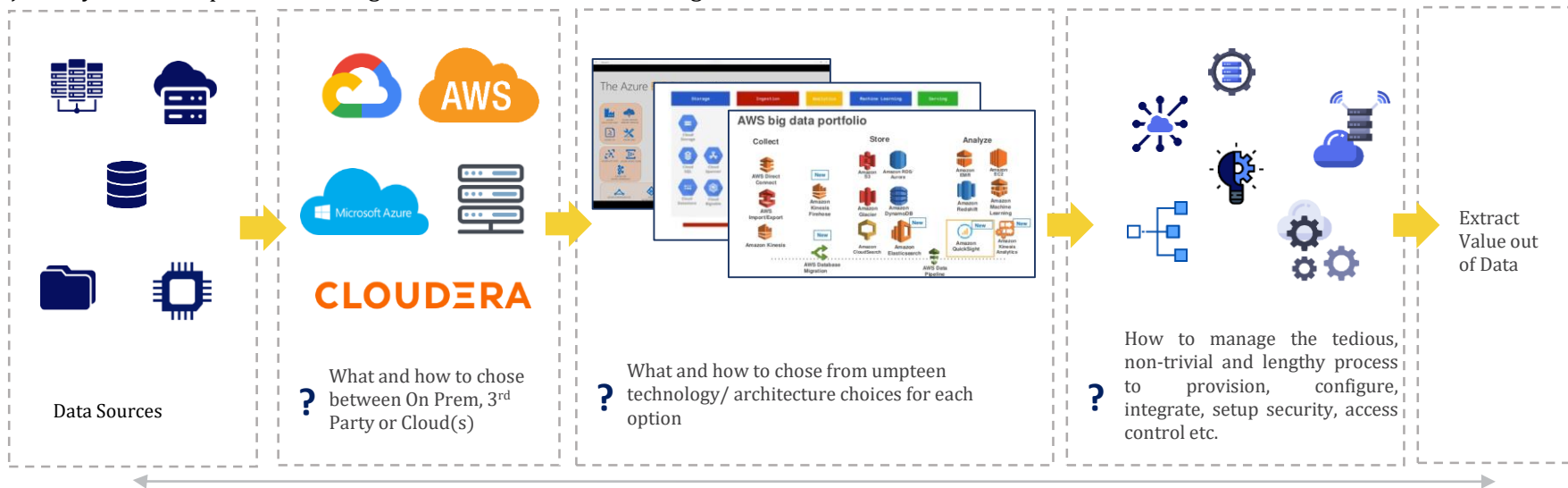
Extracting value from data across the Enterprise is a modern-day imperative, however Big Data Architecture, Technology Stack and Hosting capabilities are a non-trivial ramp-up/ investment for many Enterprises.

- Silos of data creating roadblocks in generating insights and value
- Different teams/ groups/ projects working on various different setup/ infra following different technologies/ pipelines / processes to implement data projects
- Lack of visibility of available data/ adaptors/ pipelines resulting in duplicate efforts, duplicate data, inconsistencies and multiple sources of data
- Lack of consistent role based access controls across various technology components and data stores
- Data teams not able to match up to the speed of agile and fast turnaround time needs from business
- Data scientists need to wait to start exploring, experimenting and start creating AI/ML models
- Lack of expertise and experience in creating an integrated end to end comprehensive data platform
- Struggling with a next gen data platform strategy



Data Platform | The Need for prebuilt technologies for Acceleration

To transcend the data silos and generate actionable insights from your data, the need of a data platform is imperative and obvious. However the journey to reach a point where organizations can start extracting value out of the data, is not so obvious



Bypass the complexities,

Accelerate your journey from data silos to generating actionable insights using GlobalLogic Data Platform for Azure

Focus on your domain and extracting value out of your data.

Let us take care of creating a fully functional (ingest, transform, lake, access & analyze) data platform.

Introducing GlobalLogic Data Platform

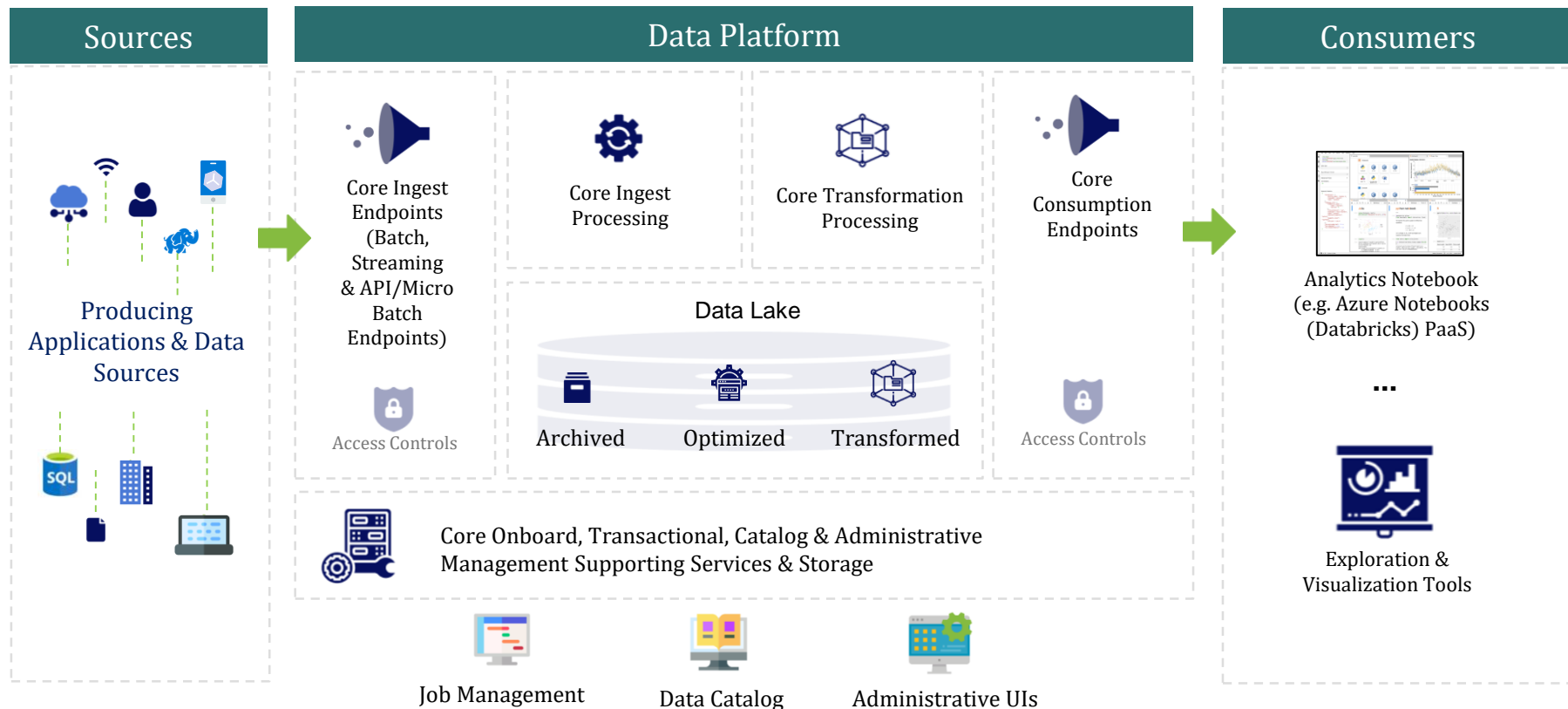
Leverage GlobalLogic Data Platform to accelerate manifestation of a fully functional (ingest, transform, process, store, access & analyze) Data Platform within a target/ greenfield Azure cloud account with consistency and a significantly reduced turn around time of days instead of months.

GlobalLogic Data Platform leverages cloud native PAAS technologies and allows Enterprises to quickly set up a solution which can gather data from across their enterprise, transform/enrich it and make it available to their Analysts/ Data Scientists/ Partners in order to extract value and insights.

GlobalLogic Data Platform can be used to rapidly implement and setup a working Data Platform which can be enhanced/modified as required.



GlobalLogic Data Platform | Functional View



GlobalLogic Data Platform | Key Feature List

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 | Value Proposition

- Centralized and unified data platform
- Faster time to market and faster value realization
- Single source of truth for various stakeholders and teams
- Standard Architecture leveraging Industry best practices using cloud native PAAS technologies
- Consistency, standardization and reuse for executing all data projects/ engagements resulting in effort and cost saving and quick turnaround times.
- Centralized role based access control across all data, components and user interfaces including CLI and APIs
- Effective and efficient discovery of data sources and data in the data platform.



Thank You