

DATAMATICS

Datamatics Data Services

Data for Innovation

As enterprises face the onslaught of high-speed, high-volume data; they need to quickly validate and integrate the data for insights and consumption. In order to make sense out of this data conundrum, enterprises need to leverage smarter solutions for real-time processing and enable utilization simpler, scale, and make it self-service.

Datamatics Data practice offers hybrid solutions with an 'Intelligence-First' principle at the core and advocates true 'Data Democracy'. The services and accelerators are highly scalable and facilitate easy storage, linkage, traceability, and retrieval of data across the data lifecycle. We help enterprises leverage 'Data for Innovation' to drive real-time business decision making, operational, enhance customer interactions, drive process efficiencies, drive sustained business growth and keep innovating at scale.

KEY DATA SERVICE OFFERINGS

DATA GOVERNANCE

- Data Governance Strategy Development
- Data Quality Management
- Data Privacy and Compliance
- Data Security Management
- Metadata Management
- Master Data Management
- Data Utilization and Monetization
- Data Stewardship

DATA MIGRATION

- Application, Database, or Workloads Migration
- On-premise to Cloud Migration or Data Centre Migration
- Cloud-to-Cloud Migration
- Private Cloud to Public Cloud Migration or Hybrid Cloud Migration

DATA COLLECTION AND INGESTION

- Data Storage and Management
- Data Integration and ETL
- Data Modeling and Architecture
- Data Analysis and Insights
- Cloud Data Management and Modernization
- Data Virtualization, Synchronization and Replication

BI & ADVANCED DATA ANALYTICS

- Report Development, Modernization, and Migration
- Descriptive, Diagnostic, Predictive, Prescriptive, Cognitive Analytics
- Big Data Analytics
- AI enabled Analytics

DATA ACCELERATORS & DIFFERENTIATORS



Automated Meta Data Extraction Frameworks:
Extract metadata of the reports (including, connection parameters, tables & views used, & Queries) and universes from SAP BO platform.



Data Archival:
Utility to connect to storage (File system/databases) to enforce data retention policies as per business requirement.



Data Validation Accelerator:
Customizable utility to connect to different data sources and performs basic validations.




















Reusable Ingestion Components:
Framework with Java/Python based Ingestion patterns to ingest data from files/databases & takes care of incremental, full & delta loads.

DATA TOOLS

- >> **Migration framework:** Automated metadata extraction from SAP BO for SAP BO to Power BI report migration
- >> **Data validation:** Validate data against predefined rules
- >> **Data Replication:** Operational DB to Data warehouse to Data Lake
- >> **Masking:** Anonymize sensitive data.
- >> **Generation:** Create synthetic or realistic test data.
- >> **Integration Testing:** Test data compatibility across systems.
- >> **Automation:** Automate testing for consistency.
- >> **Quality Monitoring:** Continuously monitor data quality, generating alerts for issues.

TOOLS AND TECHNOLOGIES

Data Management	Visualization	ML Tools
 	 	 
 	 	
 	 	 
		

SUCCESS STORIES



A leading bank successfully migrated 400,000 accounts, encompassing 100 TB of data, using an efficient data integration solution that integrates data from multiple sources.



A leading rating agency achieved 100% visibility on data lineage for key data entities and documented processes using Collibra, reducing efforts by 50%.



A leading cloud-based human capital technology and services company achieved 100% fault-tolerance for all IICS task flows, 95% parameterization for in/out parameters in IICS mappings, and 100% targets for data ingestion and OLAP layer entities with Data Lake implementation.



A leading passive telecom infrastructure provider improved data processing speed by 50 times and reduced errors caused by manual intervention by 80% with Enterprise Data Warehousing.