Modern EPoS Analytics

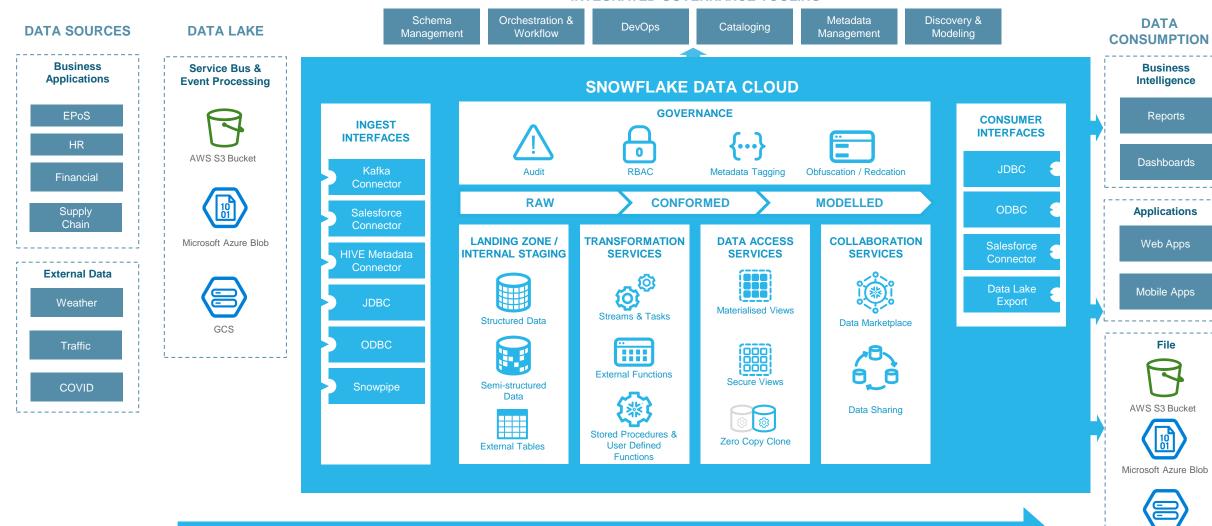**SNOWCASE**

REFERENCE ARCHITECTURE

Snowflake, Mphasis Datalytyx

INTEGRATED GOVERNANCE TOOLING

| Schema Management | Orchestration & Workflow | DevOps | Cataloging | Metadata Management | Discovery & Modeling |

DATA SOURCES

Business Applications
- EPoS
- HR
- Financial
- Supply Chain

External Data
- Weather
- Traffic
- COVID

DATA LAKE

Service Bus & Event Processing
- AWS S3 Bucket
- Microsoft Azure Blob
- GCS

SNOWFLAKE DATA CLOUD

INGEST INTERFACES
- Kafka Connector
- Salesforce Connector
- HIVE Metadata Connector
- JDBC
- ODBC
- Snowpipe

GOVERNANCE
- Audit
- RBAC
- Metadata Tagging
- Obfuscation / Redcation

RAW → CONFORMED → MODELLED

LANDING ZONE / INTERNAL STAGING
- Structured Data
- Semi-structured Data
- External Tables

TRANSFORMATION SERVICES
- Streams & Tasks
- External Functions
- Stored Procedures & User Defined Functions

DATA ACCESS SERVICES
- Materialised Views
- Secure Views
- Zero Copy Clone

COLLABORATION SERVICES
- Data Marketplace
- Data Sharing

CONSUMER INTERFACES
- JDBC
- ODBC
- Salesforce Connector
- Data Lake Export

DATA CONSUMPTION

Business Intelligence
- Reports
- Dashboards

Applications
- Web Apps
- Mobile Apps

File
- AWS S3 Bucket
- Microsoft Azure Blob
- GCS

DATADOG

Datadog Monitoring

ADVANCED ANALYTICS SERVICES