![SIRIUS]

Data & Analytics – Snowflake Services

National coverage

Toronto_ON

Founded in **1980**

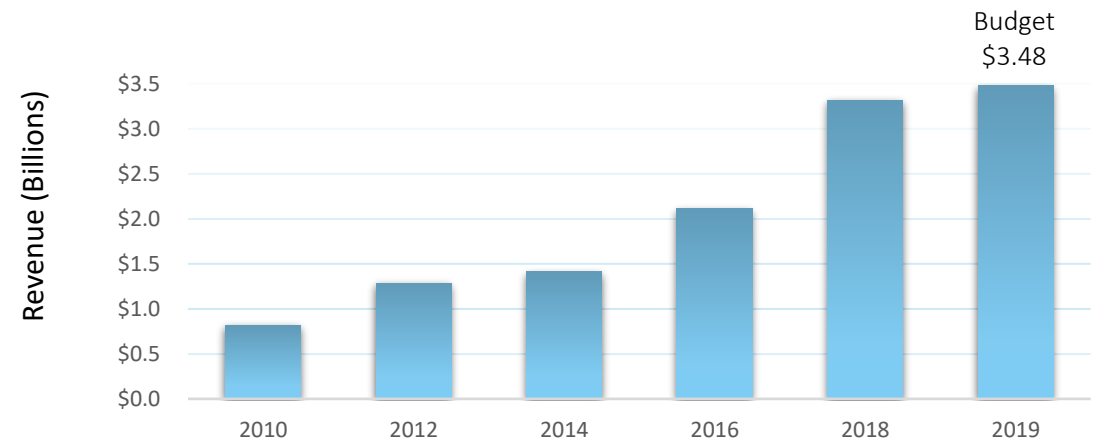**48** offices across the US

- Sirius Corporate Headquarters
- Regional Offices
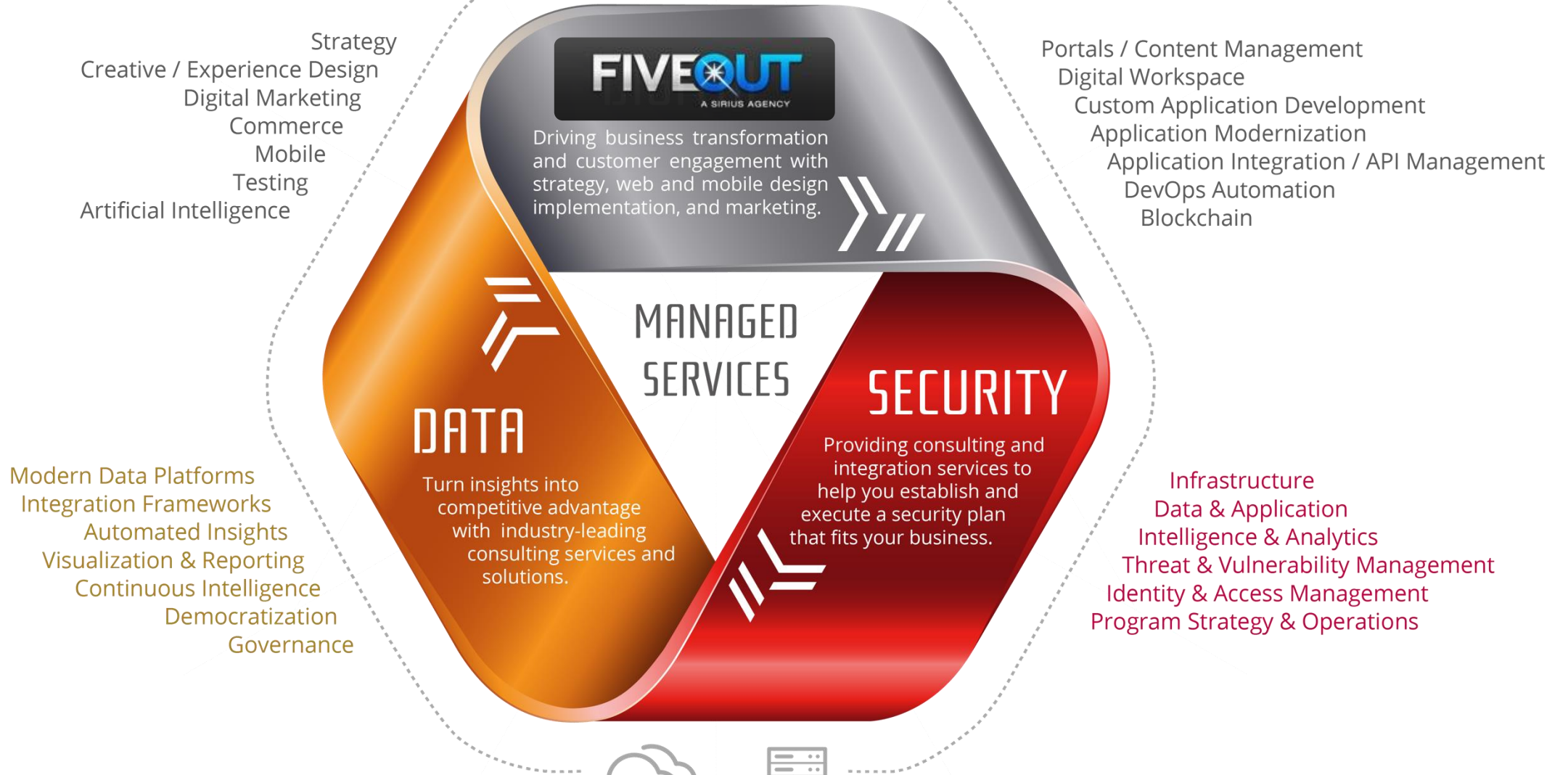- Regional Coverage
- NOC
- SOC
- Data Center
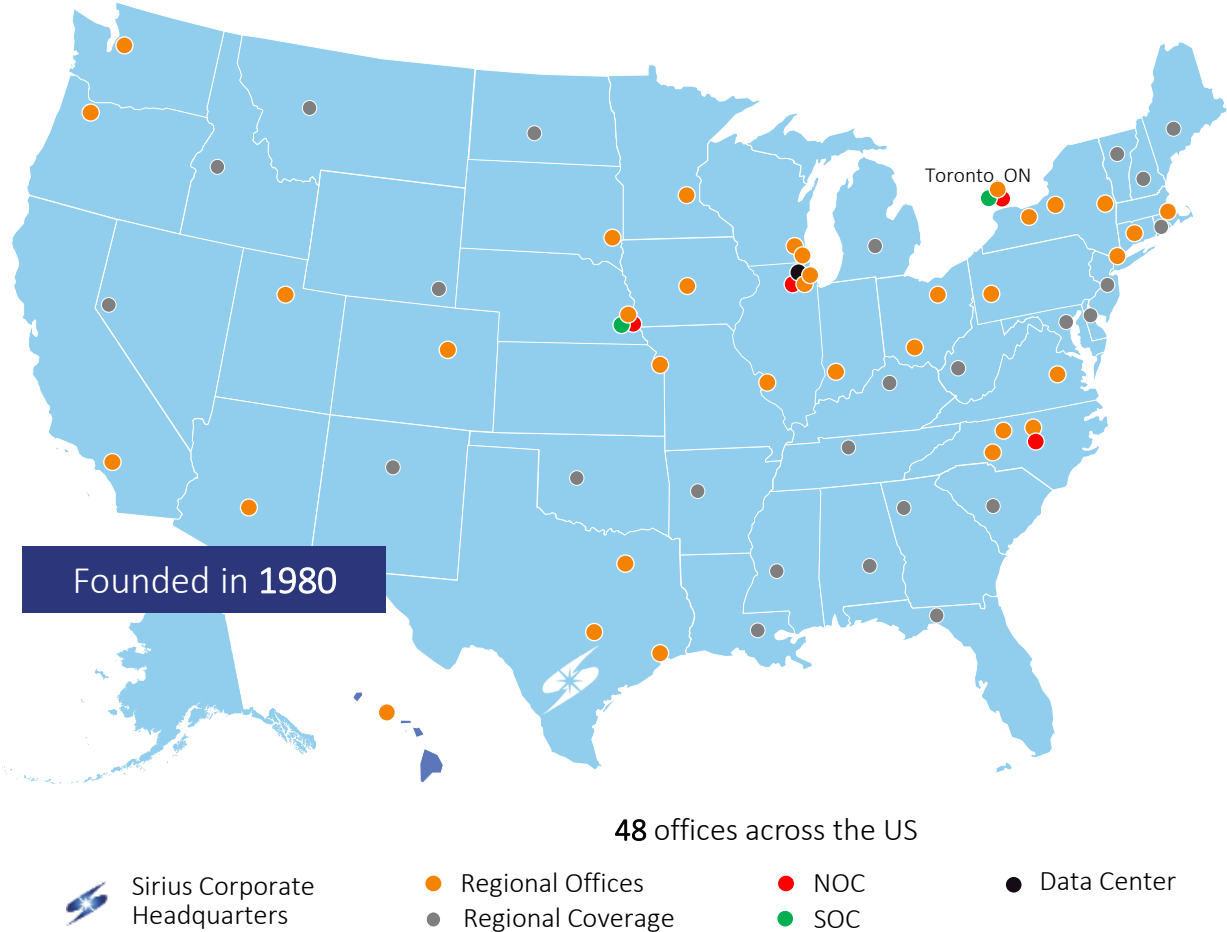
Company overview

› Solutions spanning lines of business and data center
› Recognized industry leadership
› Deep experience and skills
  › **5,500+ sales & technical certifications**
  › **2,600+ highly skilled employees**
  › **1,500+ technical resources**
  › **9.2 out of 10 client satisfaction**

Sustained financial strength

Budget
$3.48

Based on Sirius financials Gross Revenue. 2018 pre-audited results.

Sirius at a Glance

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Sirius Capabilities

Strategy
Creative / Experience Design
Digital Marketing
Commerce
Mobile
Testing
Artificial Intelligence

FIVEOUT A SIRIUS AGENCY

Driving business transformation and customer engagement with strategy, web and mobile design implementation, and marketing.

Portals / Content Management
Digital Workspace
Custom Application Development
Application Modernization
Application Integration / API Management
DevOps Automation
Blockchain

MANAGED SERVICES

DATA
Turn insights into competitive advantage with industry-leading consulting services and solutions.

SECURITY
Providing consulting and integration services to help you establish and execute a security plan that fits your business.

Modern Data Platforms
Integration Frameworks
Automated Insights
Visualization & Reporting
Continuous Intelligence
Democratization
Governance

Infrastructure
Data & Application
Intelligence & Analytics
Threat & Vulnerability Management
Identity & Access Management
Program Strategy & Operations

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Sirius helps you **govern, modernize, manage,** and **optimize** your data and analytics ecosystem for better **business insights.**

For our Clients

- Do you have confidence in the quality of the data you use for decision-making?

- Do your users receive a seamless, relevant and personalized data experience?

- Is your data stored securely, retained properly, and managed through well defined procedures?

- Are your analytics applications, data platforms and data pipelines built with agility and business results focused?

Sirius Data Strategy

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Cloud Solutions

- Azure
- Other data lake/data hubs
- Complimentary AI / ML, Viz solutions

Migration Services

- Strategy and design roadmap
- Data integration
- Automation /orchestration
- Managed services (MAS)

Data Engineering

- Use case development
- Data architecture and modeling
- Semantic layer creation

Security and Governance

- IAM
- Data privacy
- Data governance
- DataOps
- Operational intelligence

Technology Best fit

- ETL/ELT vendors
- Replication / Streaming
- Data Virtualization
- Analytics

Snowflake Services Areas of Expertise

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Snowflake Services

POC	POV	Pilot	Full Implementation / Migration
Proof of Concept	Proof of Value	First Project	Business Driven Strategy
Test the technology	*Prove business value*	*Foundational reference*	*Business Value from technolgy*
on Demand	*Plus Snowflake usage*	*Snowflake usage & other licensing*	*Snowflake usage & other licensing*
Build familiarity with the technology	Demonstrate value to business stakeholders	Solve an existing business/technical challenges	Create a data-driven customer journey
Hands-on experience	Discover any deal-breakers	Drive innovation	Solve multiple business problems
Technical buy-in	Executive buy-in	Build foundational experience	Better, faster business decisions
Idendify ecosystem solutions to support client	*Determine ecosystem to support data transformation and BI	*Determine and Deliver ecosystem to support data transformation and BI	Scale analytics and business
			*Ecosystem

Data Engineering   **Cloud Solutions**
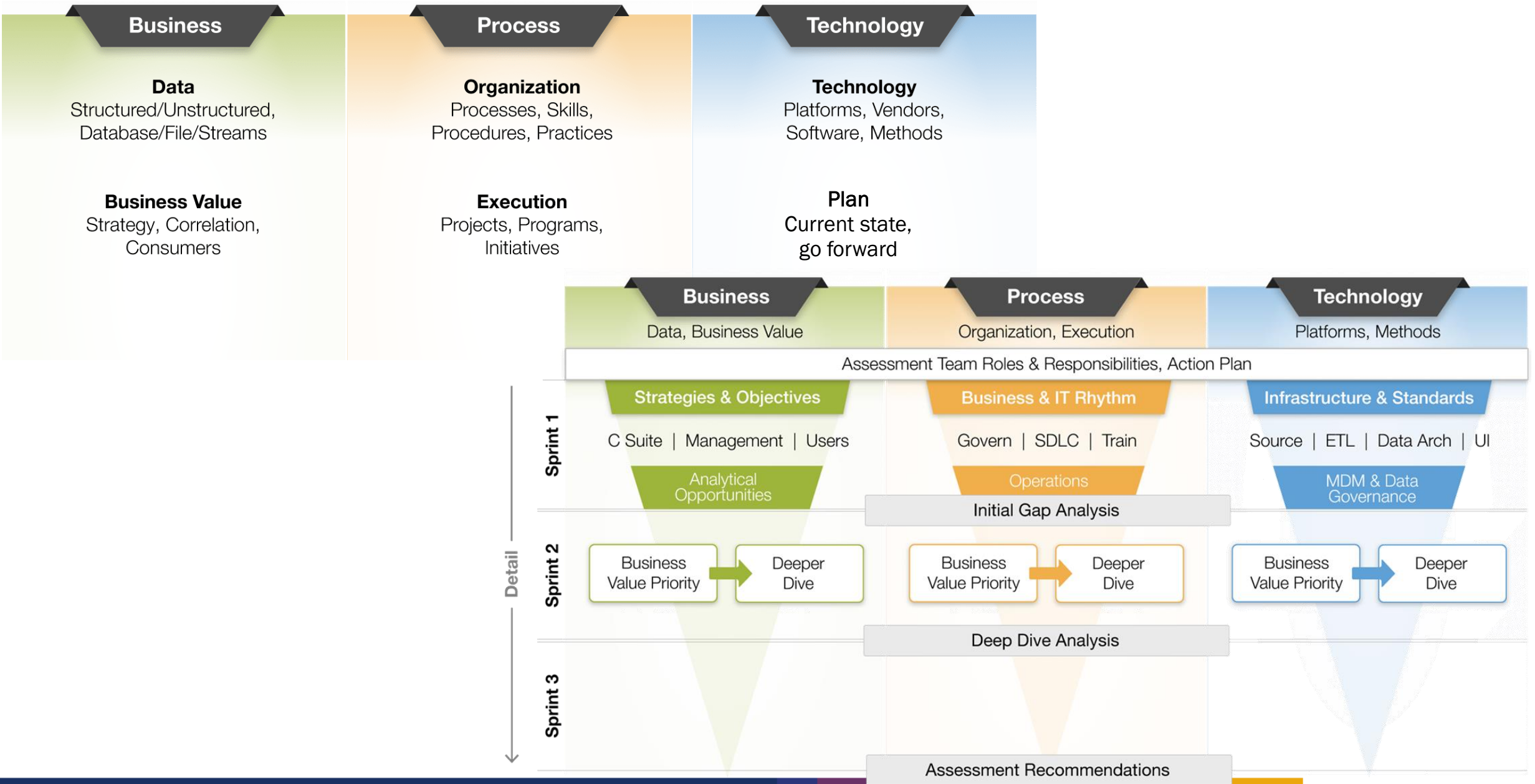
Data Driven Strategy   **Migration Services**   **Security / Digital**

Snowflake is a piece of the ecosystem in a data driven strategy

Key Domains & Iterative Process

Document Existing Solution

- Databases and data objects to migrate
- Processes & tools that populate & pull data from existing solution
- Security roles, users and permissions
- Snowflake accounts that exist/need to be created
- Frequency of security provision process
- As-is architecture diagram

Determine Migration Approach

- Processes to be migrated as is, need re-engineering, need to be fixed
- Draft of migration deliverables
- To-be architecture diagram

Capture Development & Deployment Process

- Tools that will be introduced w/migration
- Tools that will be depreciated after migration
- Development environments needed for migration
- Deployment processes used for Migration

Prioritize Datasets for Migration

- List of data sets to migrate first (prioritize)
- Method for identifying process dependencies for data sets
- Documentation of process dependencies for data set

Snowflake Migration Solution Approach

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Identify the Migration Team

- List of migration team members, roles and Contact info
- Focused area of responsibility for migration project

Define the Migration Deadlines and Budget

- List of business expectations for the migration deadline
- Documented budget allocated for the migration project
- Completed estimation template for Snowflake virtual warehouses

Determine the Migration Outcomes

- List of high-level desired outcomes and assumptions at the completion of the migration
- Documented plan for communicating the migration project wins to stakeholders

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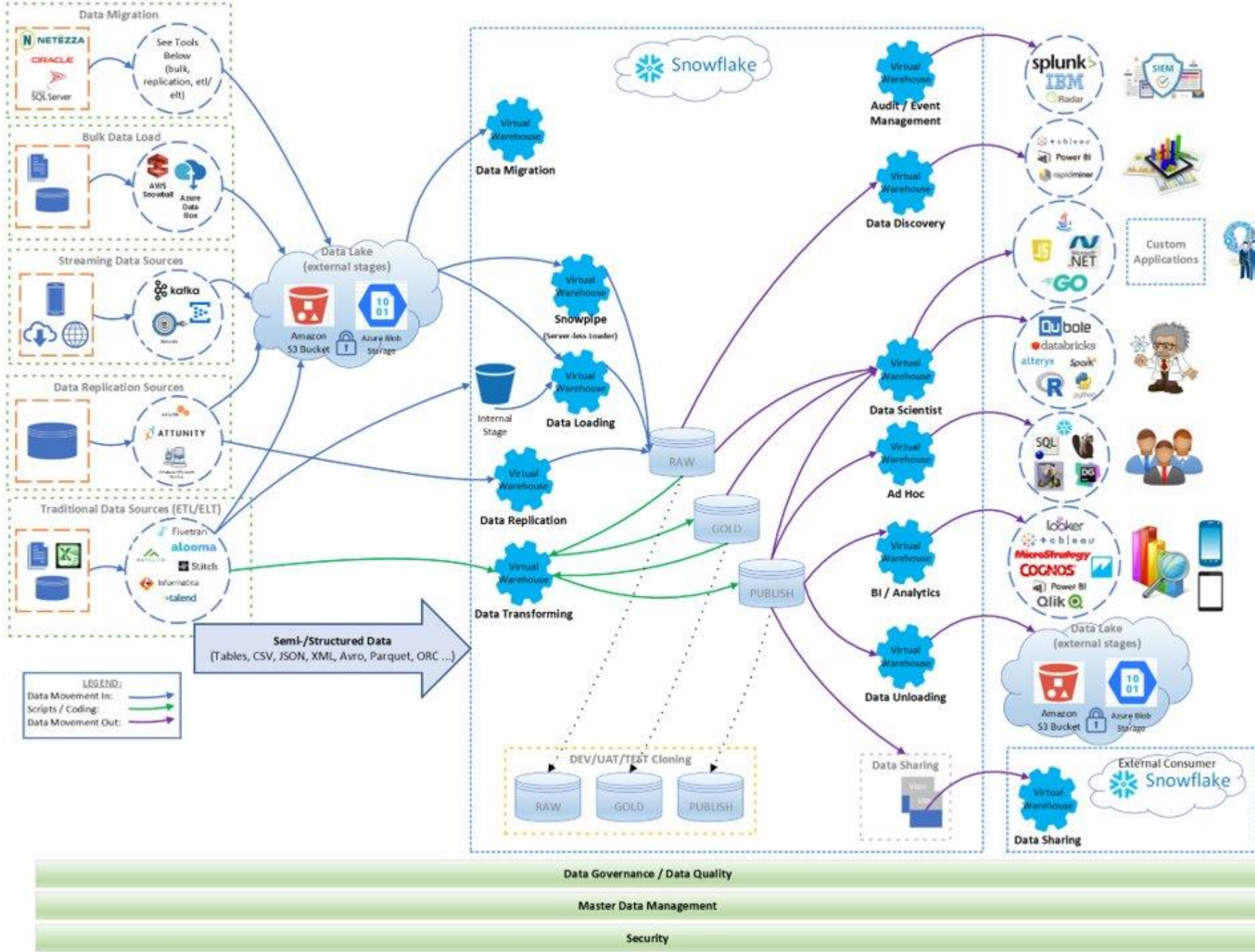
Core Platform Capabilities

- ✓ Migration Checklist
- ✓ Scoping Questionnaire
- ✓ Migration Task list
- ✓ Snowflake Automation Engine for deployment (Roles, security, best practice configuration)
- ✓ Migration Acceleration solutions
- ✓ Testing Harness – Sirius Automation tool

Retail Flower Chain – Snowflake on Azure

The Challenge

With 13+ retail brands as part of an M&A strategy, the client had numerous disparate systems and tools for managing data lifecycles. They needed an enterprise class data platform and analytics solution to understand trends and make better business decisions. The goal was to enable the business to measure success with key reports and have a 360-degree view of the business and customer across different brands.

Our Solution

Architected an Enterprise Data Warehouse strategy and solution using Snowflake on Azure for the data platform, Informatica IDQ for data quality, data integration and customer mastering, HVR for replication, Matillion for ETL capabilities and Erwin for data modeling and governance.

Business Outcomes

Accelerated the deployment of leading edge DW solution with flexible architecture, scale and speed to be able to integrate new acquired brands. Modern EDW provides a 360-degree view of the customer across all brands, better supply chain management, product management and financial management.

Sirius delivered a variety of products and solutions including the following:

- Snowflake
- Informatic IDQ
- HVR
- Erwin
- Matillion
- Azure

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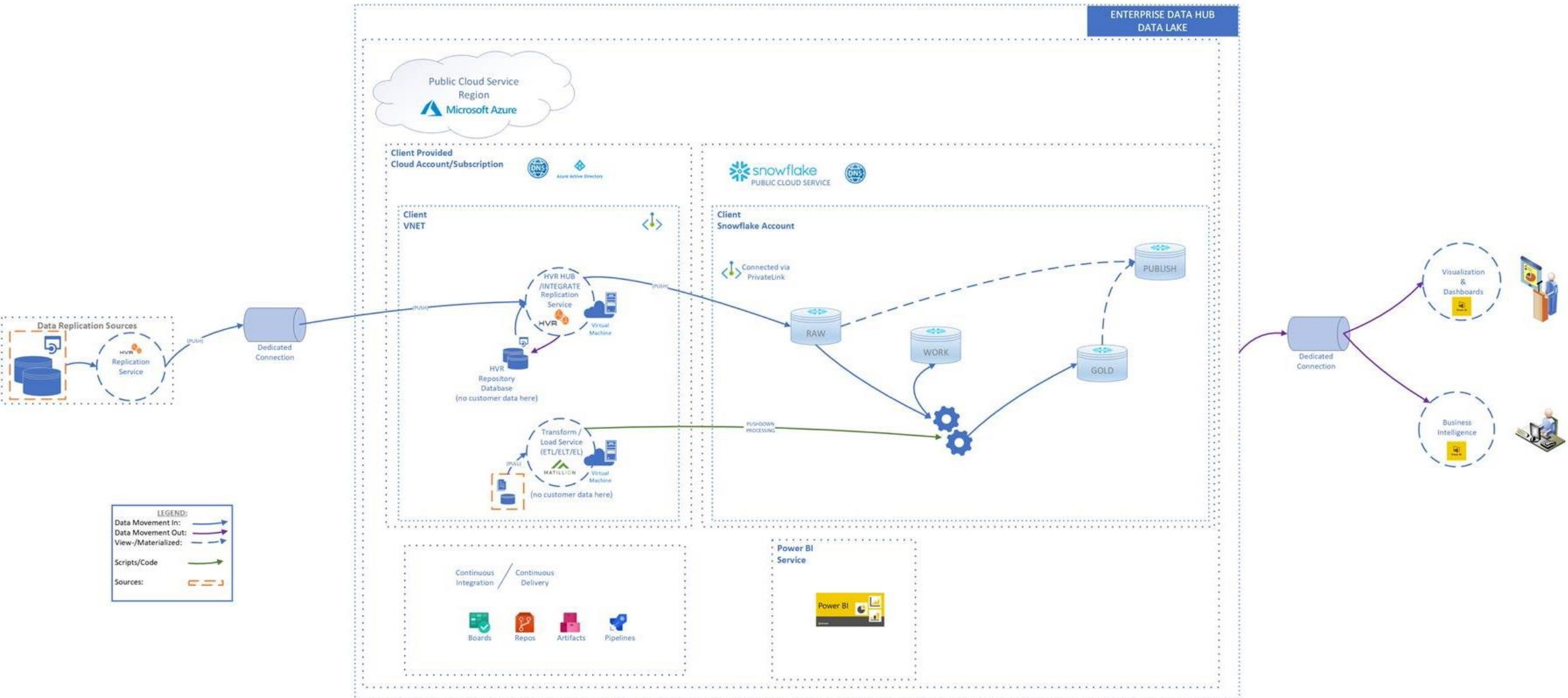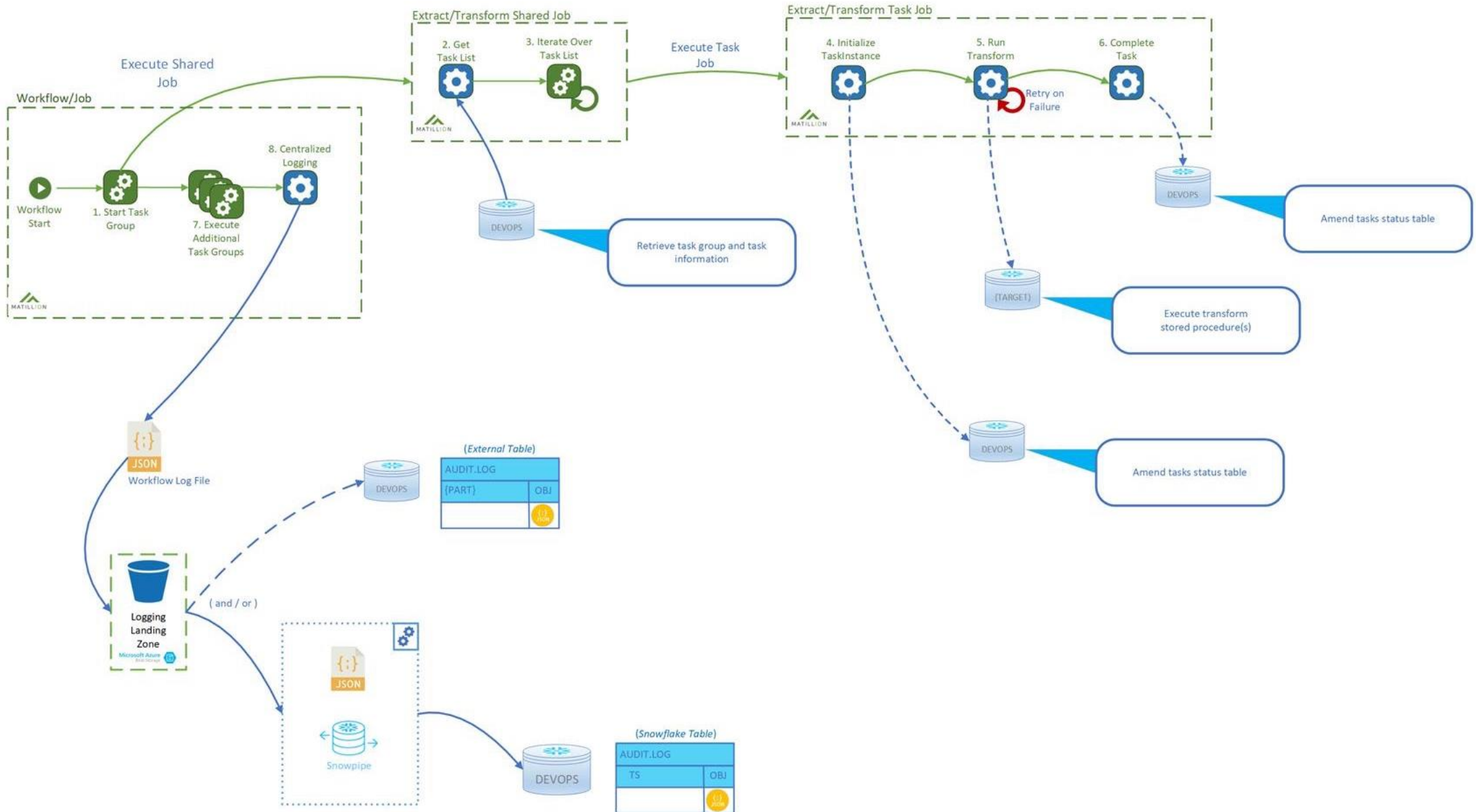# Thank YOU

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Reference

Analytics Self-Service Platform
Architecture
Replicate Transform Load

ENTERPRISE DATA HUB
DATA LAKE

Public Cloud Service Region
Microsoft Azure

Client Provided
Cloud Account/Subscription

Azure Active Directory

snowflake
PUBLIC CLOUD SERVICE

Client
VNET

Client
Snowflake Account

Connected via
PrivateLink

Data Replication Sources

HVR Replication Service

Dedicated Connection

HVR HUB /INTEGRATE Replication Service

Virtual Machine

HVR Repository Database
(no customer data here)

RAW

WORK

GOLD

PUBLISH

PUSHDOWN PROCESSING

Transform / Load Service (ETL/ELT/EL)

MATILLION

Virtual Machine

(no customer data here)

Dedicated Connection

Visualization & Dashboards

Business Intelligence

LEGEND:
Data Movement In:
Data Movement Out:
View-/Materialized:
Scripts/Code
Sources:

Continuous Integration / Continuous Delivery

Boards   Repos   Artifacts   Pipelines

Power BI
Service

Power BI

Matillion Orchestration

- Manual conversions and consolidations from one data platform to another are time consuming, complex, and costly.
- The Sirius Code Conversion Engine is an accelerator to minimize time, effort, complexity, and cost in manual migration activities
- Accelerates and automates consistent and repeatable migration outcomes
- Converts source db definition language code into an intermediate language (IL) code
- IL code is compiled into an agnostic byte-code format which generates the target platforms DDL scripts and stored procedures
- Lowers the bar for adoption to data platform technologies
- Accelerates construction so you can innovate and utilized analytics faster

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