

Data and Analytics

TCS - Cummins Confidential

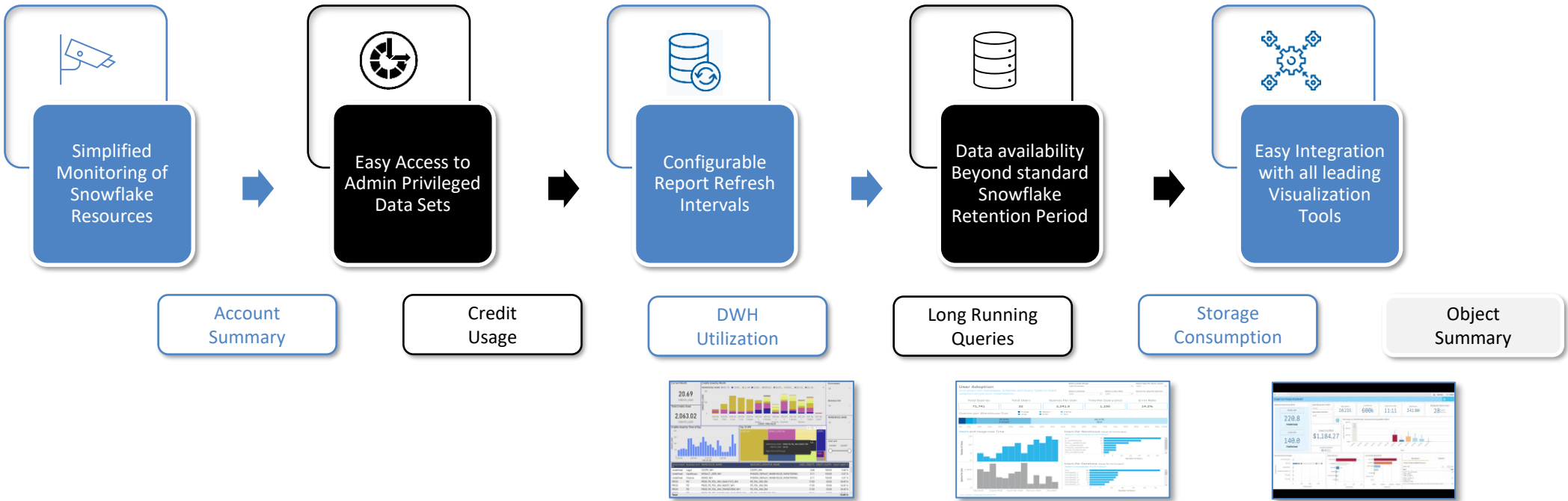
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TCS SnowMonitor

Simplifying Snowflake Monitoring and Optimization

Key Features

- Identifies usage hotspots
- Assessment module provides overall usage summary
- Easy, native deployment on Snowflake
- Chargeback report to help monitor usage by LOB's



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TCS Datom

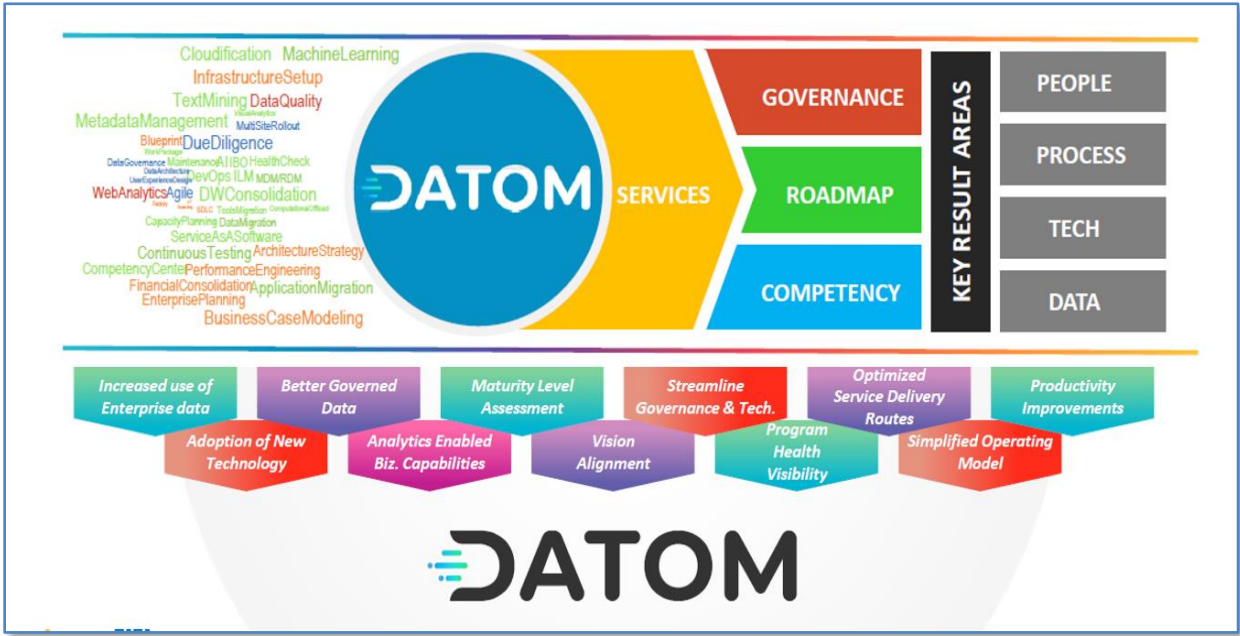
A strategic model to re-imagine Data and Analytics portfolios - Holistically or Incrementally

Key Focus

- People
- Process
- Technology
- Data

Key Features

- Facilitates the adoption of leading practices and technology
- Facilitates selection of the right operating model
- Creation of a roadmap for modernization



TCS Data Maturity Assessment

Azure AutoOps

A One-Stop Data Platform Solution
Across SDLC

Key Features

Design, Development, and Deployment

- Completely automated DevOps Starter kit

Maintenance and Operations









- Anomaly detection through active monitoring, alert, report with self-resolution leveraging AIML Model, customize usage-based cost recommendation and optimization

Cloud Migration

- Migration from any available public cloud to azure cloud or replication of azure data platform from one division to another division
- Within the organization, and scaling at enterprise level

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To Configure, Build, Test, Deploy, Monitor and Manage Azure Data Services which gives a unified view of Data, Infrastructure, Network and Operation for all data services across the environment to all data stake holders.

 DevOps Initializer Auto configures: <ul style="list-style-type: none">• DevOps Project• Development methodology• Repos• Branches• Project and Object Level permissions• DevOps Starter Kit	 Configuration Reader <ul style="list-style-type: none">• Selenium framework to read existing configs & prepare app plan.• Create scripts & modules from auto-populated templates against previous configurations.	 Platform Provisioner <ul style="list-style-type: none">• Excel based templates & Python based scripts to conceive app plan.• End to end automated platform with security configs, platform validator	 Security Auto security configurations which include: <ul style="list-style-type: none">• Data encryption• Data masking• Object Level Security• Auditing• RBAC	 Auto Deployment <ul style="list-style-type: none">• Leverage dedicated CI/CD pipelines for infra deployment with change management tools• Dashboards to aggregate & display pipeline status	 Framework Validator <ul style="list-style-type: none">• Test & validate provisioned data services• Auto capturing test evidences• In-built integration with ITSM tools & Synergistic dashboards	 AIOps Responsible for: <ul style="list-style-type: none">• Anomaly detection and resolving• Monitoring and alerts• Performance visualization of dynamic services• Knowledge management	 FinOps <ul style="list-style-type: none">• Single view for platform cost.• Customized cost optimization recommendation• Inline option to optimize cost based on recommendations.
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Key Outcomes



Zero to Minimal Operations efforts



From Days to Hours Speed and consistency



End to End automated Data development life cycle



Environment Agnostic Highly reusable and customizable

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Power BI Enablement

Simplifying Power BI Governance and Monitoring

Key Features

- Identifies usage hotspots
- Assessment module provides overall usage summary
- Easy, native deployment on Snowflake
- Chargeback report to help monitor usage by LOB's



Power BI Governance and Monitoring Accelerator

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