

# Right Start for Data Vault on Snowflake

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# Right Methodology

Hybrid Cloud and Agile Organizations

# Innovation Service



Innovation

Strategic Plan

Roadmap

Architecture Platforms and Tools

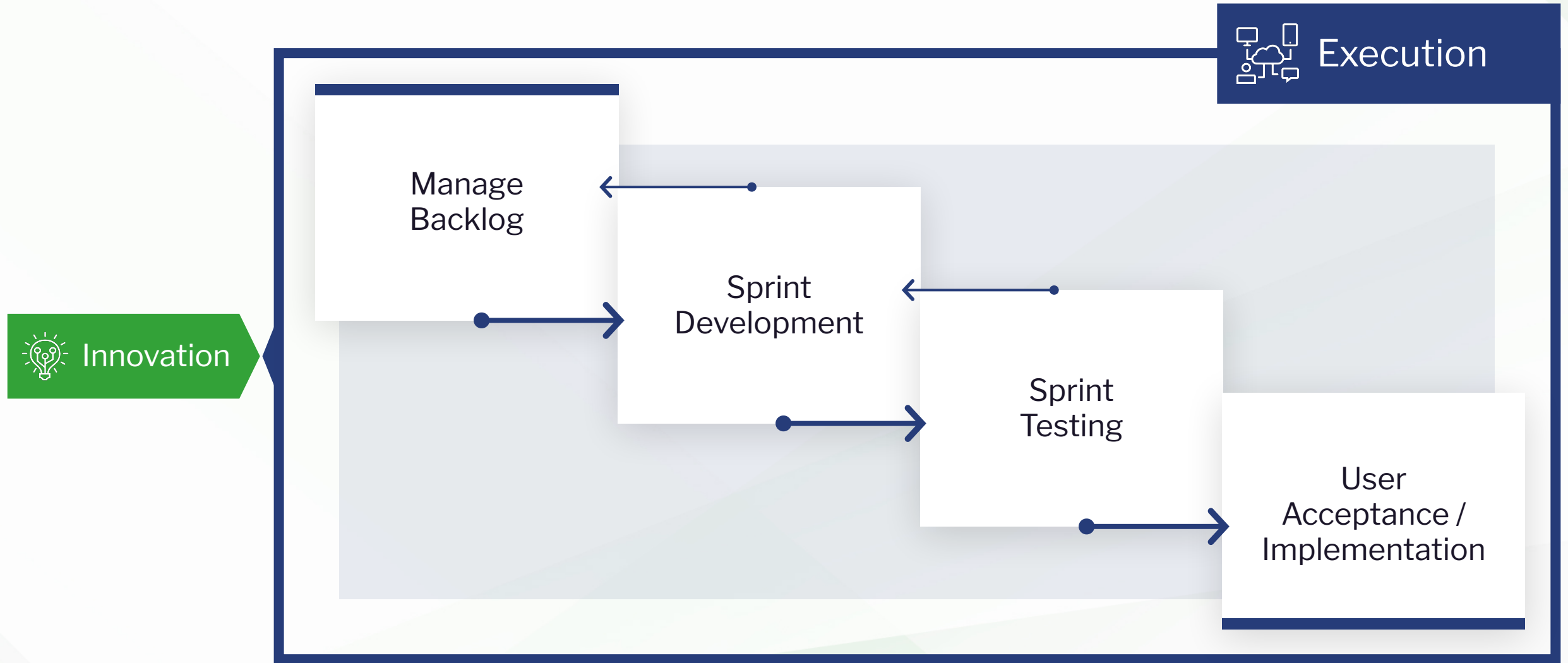
Functional and Data Use Cases

Program Organization / Management

Execution



# Execution Service



# Right Start Assumptions and Timeline



- Assume an Innovation or similar strategic planning has been completed or in process
- A user story has been identified and can be delivered in a single Execution Service sprint

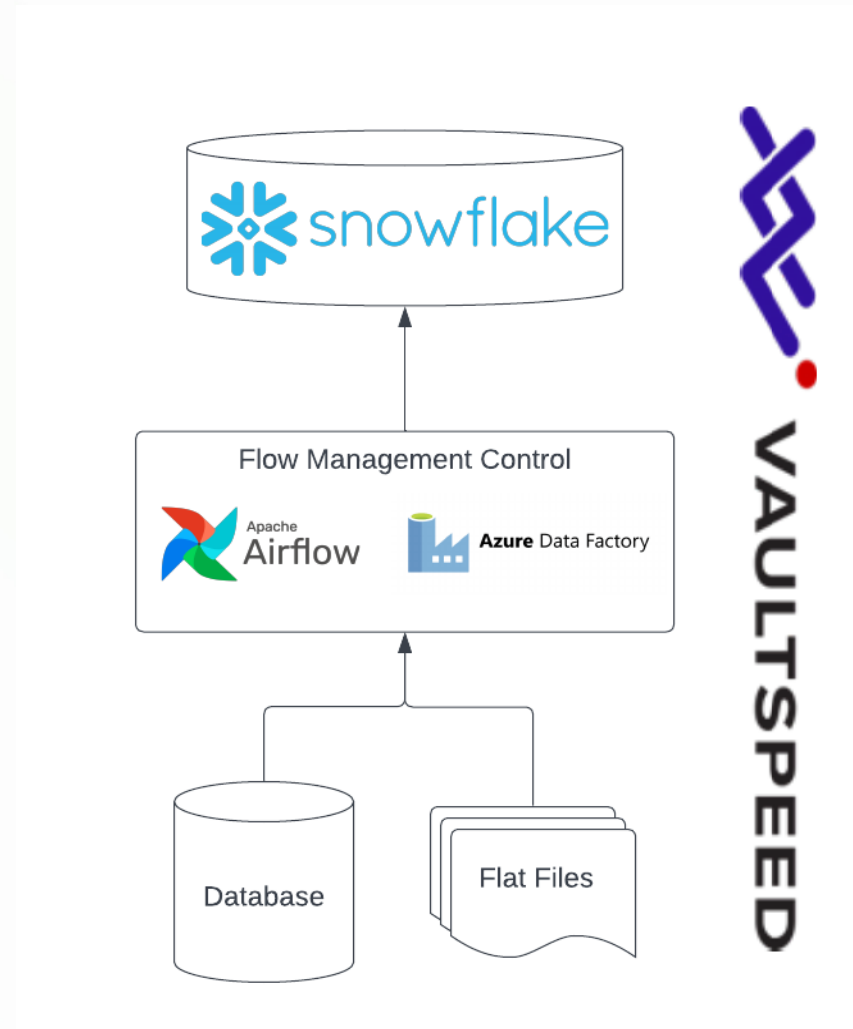
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Project Scope & Approval / Kickoff	█					
Review potential use cases, stakeholder interviews and POC use case selection	█	█				
Architecture and Technology Platform Design		█	█			
Architecture Foundation Configuration and Build			█	█		
Modeling, Code Generation, Deployment				█	█	█
Deliverable Wrap up and Presentation						█



# Right Start for Data Vault 2.0 on Snowflake

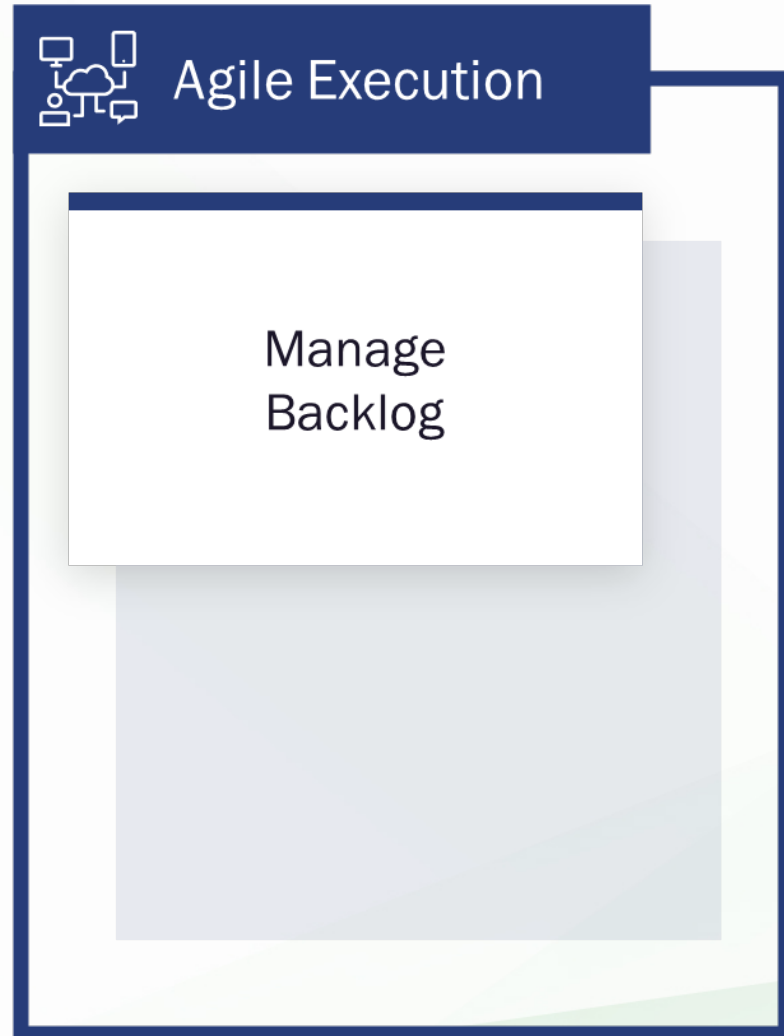
One Iteration of Right Methodology Execution Service

# Pre-Planning – Right Start Architecture



- Provision Snowflake
  - Estimate database size
  - Select AWS / Azure / Google
  - Request Snowflake account
  - Define security architecture (roles, users, authentication)
- Provision VaultSpeed
  - Select FMC (Airflow or Azure Data Factory)
  - Define connections to sources
  - Request either VM or server to run Agent
  - Set up agent
- Provision Flow Management Control
  - On Prem or Cloud (for Airflow)
    - If On Prem, provision server and access
    - If Cloud, is it Airflow as a service (AWS) or container running in VM in Cloud
  - Azure Data Factory

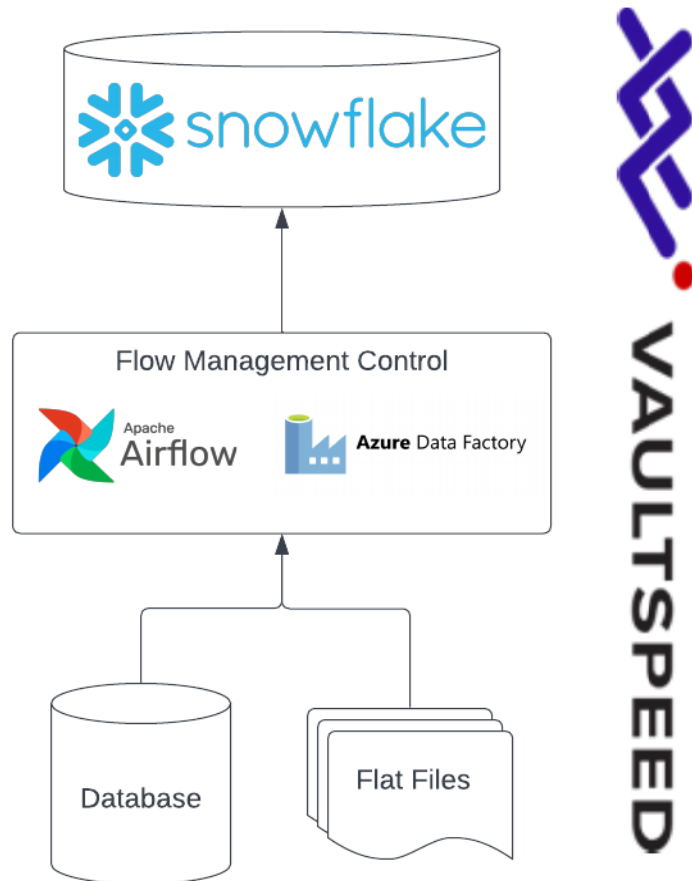
# Pre-Planning – Review Selected User Story



- Select A Single User Story
- Identify Sources to Consider
  - Type and location of dataset
  - Purpose and use of dataset

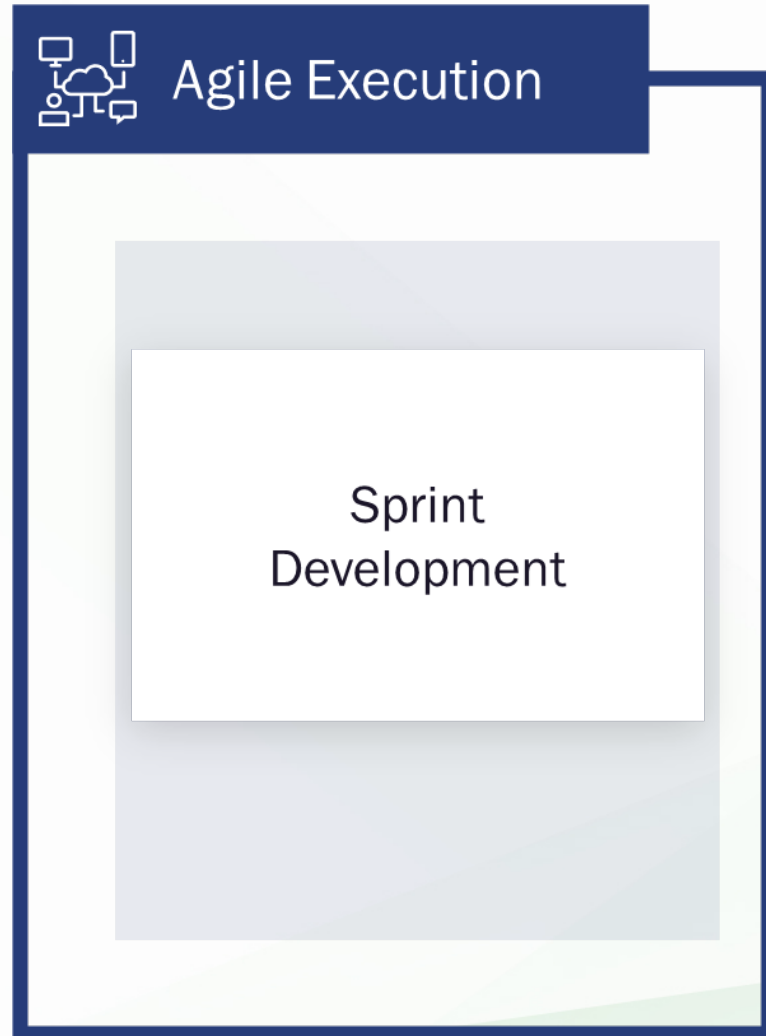


# Right Start Sprint – Establish Platform



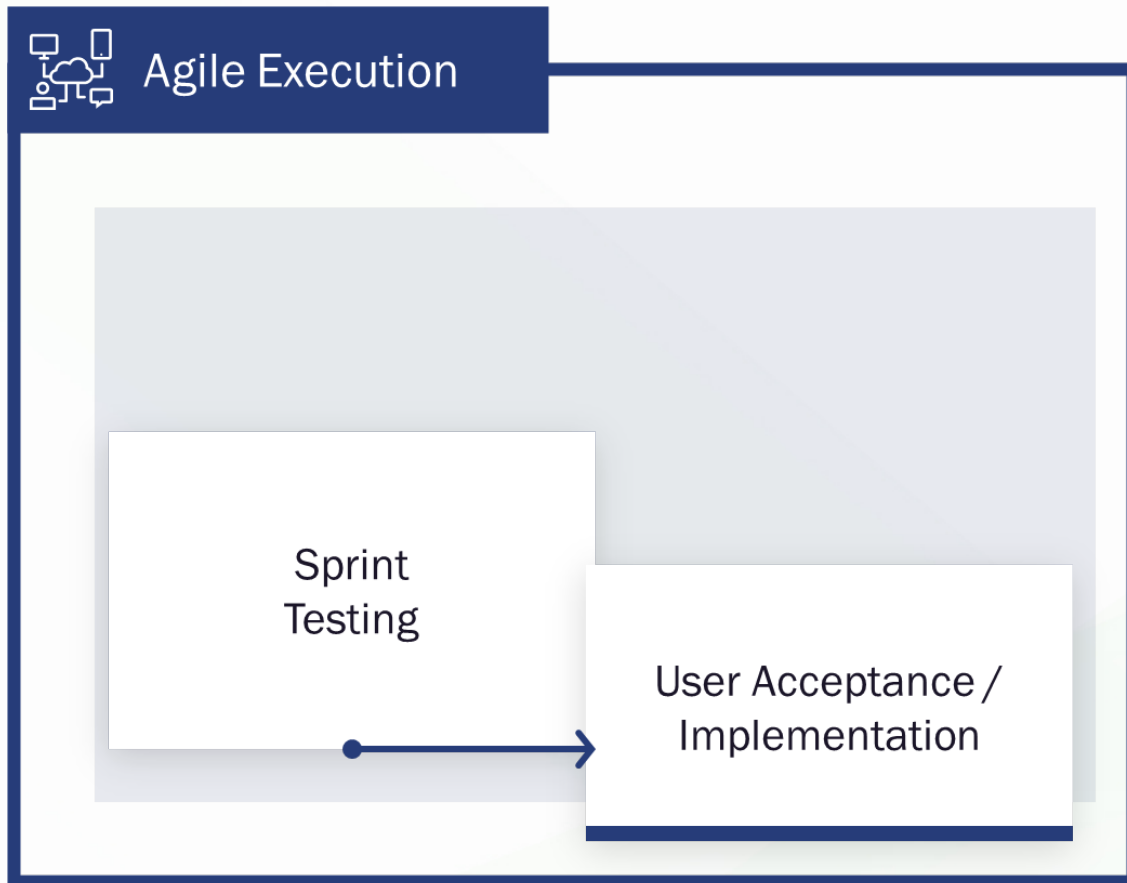
- Provision Snowflake Database
  - Confirm subscription
  - Define internal/external staging
  - Create databases for data vault
  - Set up roles and users
- Provision VaultSpeed
  - Install VaultSpeed agent
  - Establish connections to Snowflake
  - Establish connections to Sources
- Provision FMC (Airflow or ADF)
  - Install necessary software if Airflow
  - Configure users and roles if SAAS (Airflow or ADF)

# Right Start Sprint – Develop User Story



- In VaultSpeed
  - Harvest meta-data
  - Map business model
  - Generate DDL and ETL code
  - Deploy pipeline
  - Create / Manage scheduled jobs
  - Unit test code

# Right Start Sprint – Test User Story



- Prep and migrate model and code to test environment
- Execute integration test
- Prep for User Data Acceptance test
- Prep for production implementation plan

Give us 6 weeks to show you the advantages of Data Vault 2.0 with



Your answers to the following questions will get us started:

- What data accessibility issues does your organization currently experience?
- What pain points do your data analysts experience when creating reports or analytics visualizations?
- How fast can you deliver new or modified data to your end users?
- Are you ready to build your Cloud Data Warehouse on Snowflake?
- Are you open to using the Data Vault architecture for your Cloud Data Warehouse?

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