

# BlueGranite's Catalyst QuickStart for Modern Data Platform



# The *What & Why* of a Modern Data Platform



## MDP Vision

- A cloud-first take on data management
- Designed to deliver Analytical & Predictive power
- Across the changing landscape of data
- While ensuring governance, security, and performance

Enable organizations to:

- Discover, manage, and gain insights from their data
- Harness tech intensity with analytical and predictive power
- Shift from being reactive to proactive
- Survive and thrive in the current and future environment



Data Provisioning

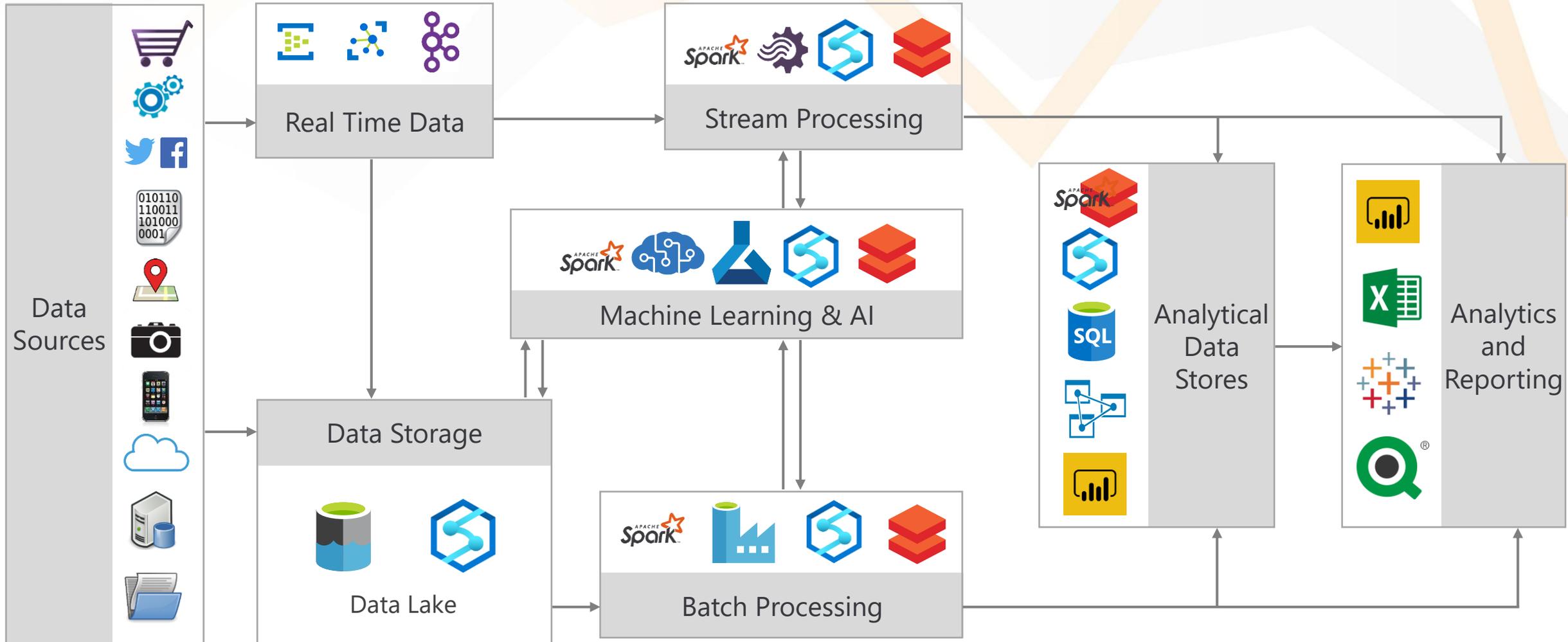


Modern BI  
Enablement



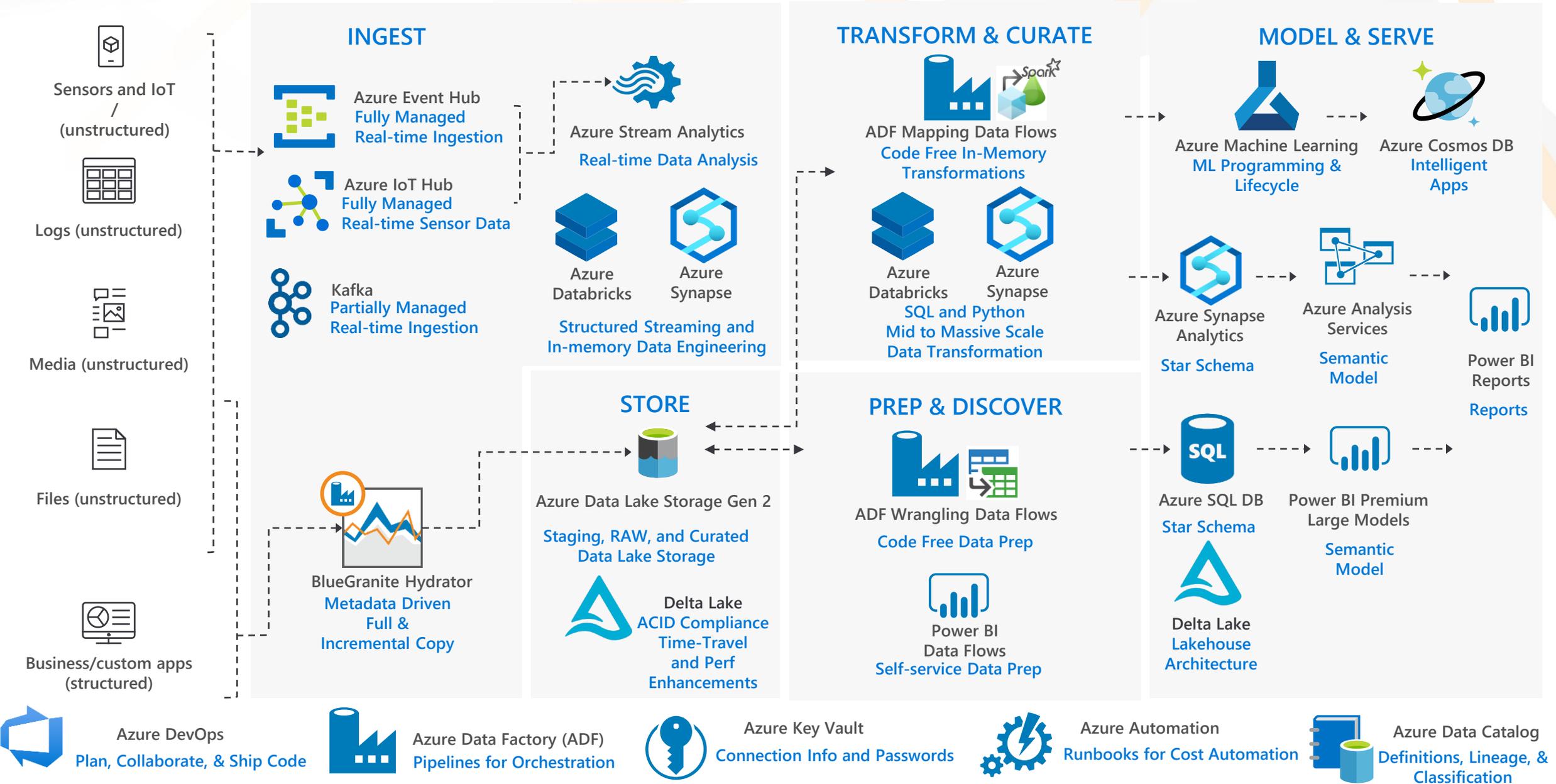
AI/ML Enablement

# Modern Data Platform Components in Azure



**Orchestration** | Governance | Data Catalog | Security | Data Quality | Master Data

# AZURE DATA SERVICES (REAL TIME & BATCH)



# BlueGranite Catalyst

Accelerate value, minimize tech-debt

## Think big, start small: Objectives

- Education and architecture guidance to validate alignment with business objectives
- QuickStart solutions for time to value, and engagement
- Incremental inclusion of datasets and curation/enrichment adds to the scope and value of data in the platform
- Aligned deployment of features/capabilities engages users and satisfies use cases while building towards target platform architecture
- Enable modern BI tools and AI through the rapid ingestion, modeling and delivery of governed data structures
- Monitor and measure the platform to ensure compliance needs and adoption targets



### #1 Discover

Uncover value, align the team, build the business case, evaluate and de-risk technology with collaborative workshop to discuss strategy, planning, and QuickStart solutions to make it tangible and real.



### #2 Create

Production-ready, cloud-first solutions on Azure, proving the value to business stakeholders through Use Case iterations that deploy platform features and data sources and types.



### #3 Realize

The long-term, strategic value from the MDP program for the business, driving the business impact of new technology with implementation, support, and training.



# Modern Data Platform Pillars

What



MDP Vision

How



Governance & Security

How



Topology & Infrastructure

How



Data Ingestion

Why



Data Provisioning

Why



Modern BI Enablement

Why



AI/ML Enablement

How



QuickStarts & Deployment

# Modern Data Platform Considerations



# BlueGranite Catalyst

Building the Foundation for Analytical & Predictive Power



#1 Discover



#2 Create



#3 Realize

Workshop  
days

QuickStart  
weeks

Accelerate Adoption  
months

Managed Services  
ongoing



Analysis &  
Design



Azure Landing  
Zone



Swimming in  
the Lake



Roadmap &  
Next Steps

- Collaboration and Security
- Scenarios and Use Cases
- User Needs and Activities

People



- Patterns for data loading and management
- Patterns for modeling and deployment

Process



- Modern Data Architecture
- AI/ML & BI Enablement
- Data Variety and Velocity

Technology



On-going  
Support



Enhance solution with new data sources



Establish new patterns



Support adoption and administration

# BlueGranite Catalyst QuickStart

Building the Foundation for Analytical & Predictive Power



## #1 Discover

Workshop  
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QuickStart  
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Roadmap &  
Next Steps



## #2 Create

Accelerate Adoption  
months

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- Modern Data Architecture
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Managed Services  
ongoing

On-going  
Support



Enhance solution with new data sources



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# BlueGranite Catalyst Utilities

Rapid Deployment of Business Value



## Data Lake Hydrator

Metadata driven ingestion framework used to bring data into the Data Lake.

Reduce the time to “Swim in the Data Lake” and generate insights.



## Infra as Code

Azure ARM templates to provision Modern Data Platform components using Azure Data Services.

Standardize and automate cloud infrastructure across environments.

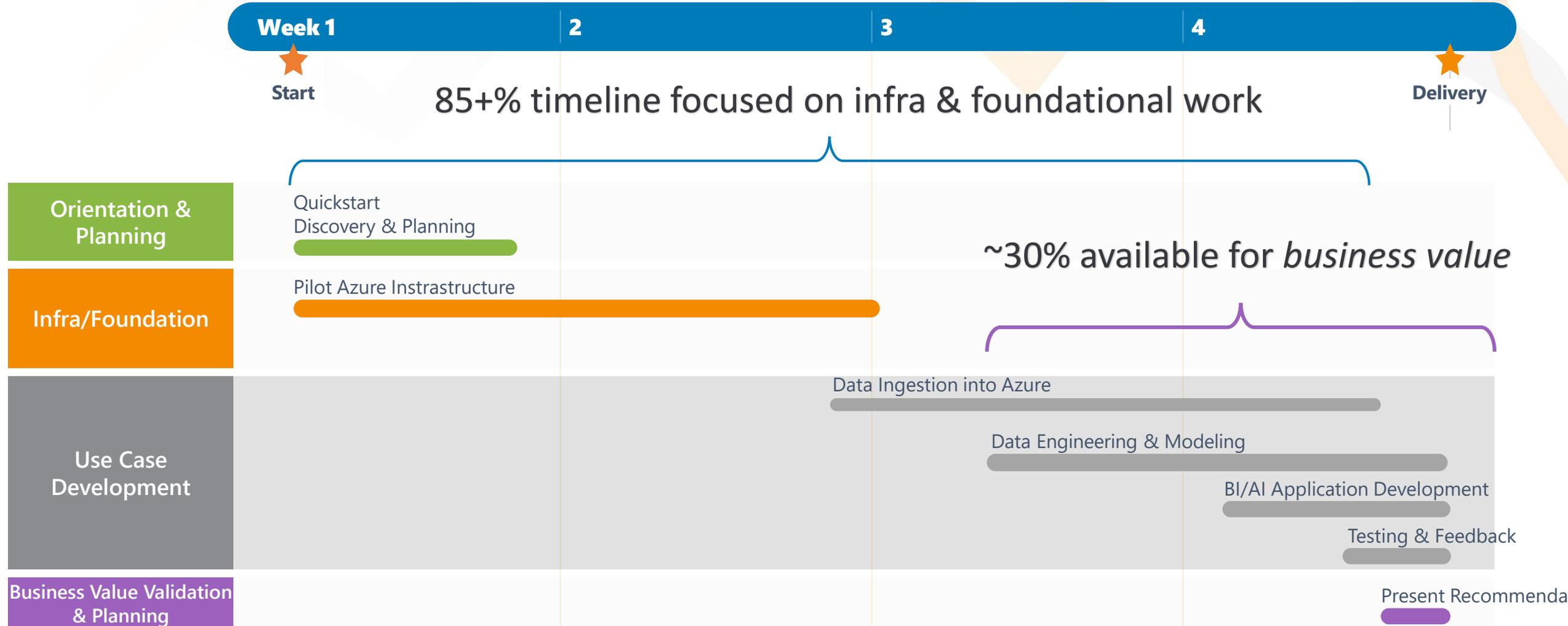


## CI/CD with Azure DevOps

Continuous Integration and Continuous Development templates to use with Azure DevOps.

Bring agile tooling to development efforts to better support innovation.

# First 4 Weeks w/out BlueGranite Catalyst



# Catalyst QuickStart Timeline

