

# AWS Cloud Adoption Framework

Sanchit Jain  
24th Feb, Wednesday  
01:00 PM to 2:30 PM



# Speakers



**Sanchit Jain**

Lead Architect - AWS at Quantiphi  
AWS APN Ambassador

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# What is AWS Cloud Adoption Framework?

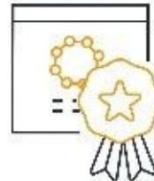


# Each journey is unique

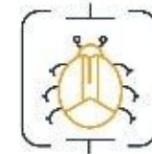
Overcoming challenges to achieve business outcomes



Different Legacies



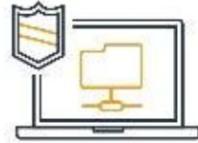
Different Goals



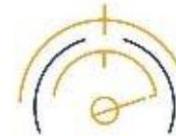
Different Risks



Different Workloads



Different Compliance and Security needs

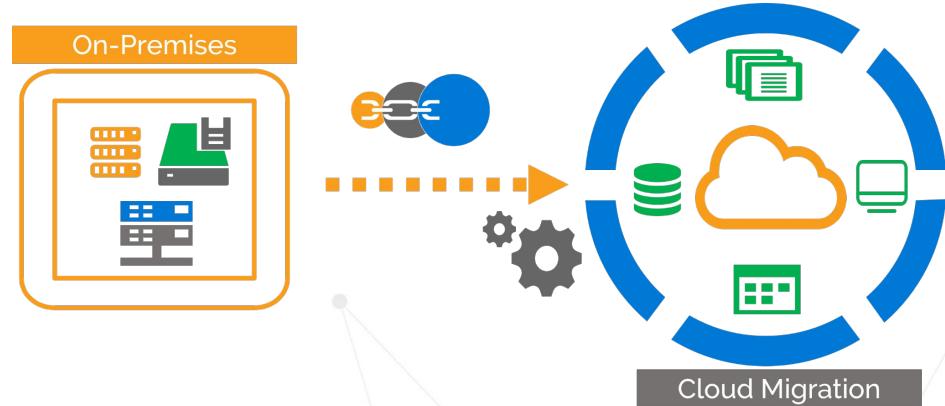


Different Performance and Resilience needs

# AWS Cloud Adoption Framework (AWS CAF)

## Building a comprehensive approach to cloud

- Align cloud strategy to business outcomes
- Deliver results through new cloud skills and experiences
- Execute your cloud initiatives
- Realize your desired business outcomes



# AWS CAF Overview

Helping define your approach to meet goals



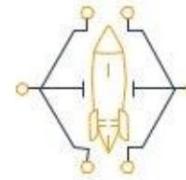
## Envision

Align Technology  
To Business



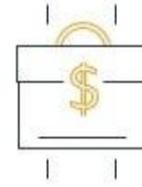
## Alignment

Identify Stakeholders  
And their concerns



## Launch

Use AWS CAF to  
Develop workstreams

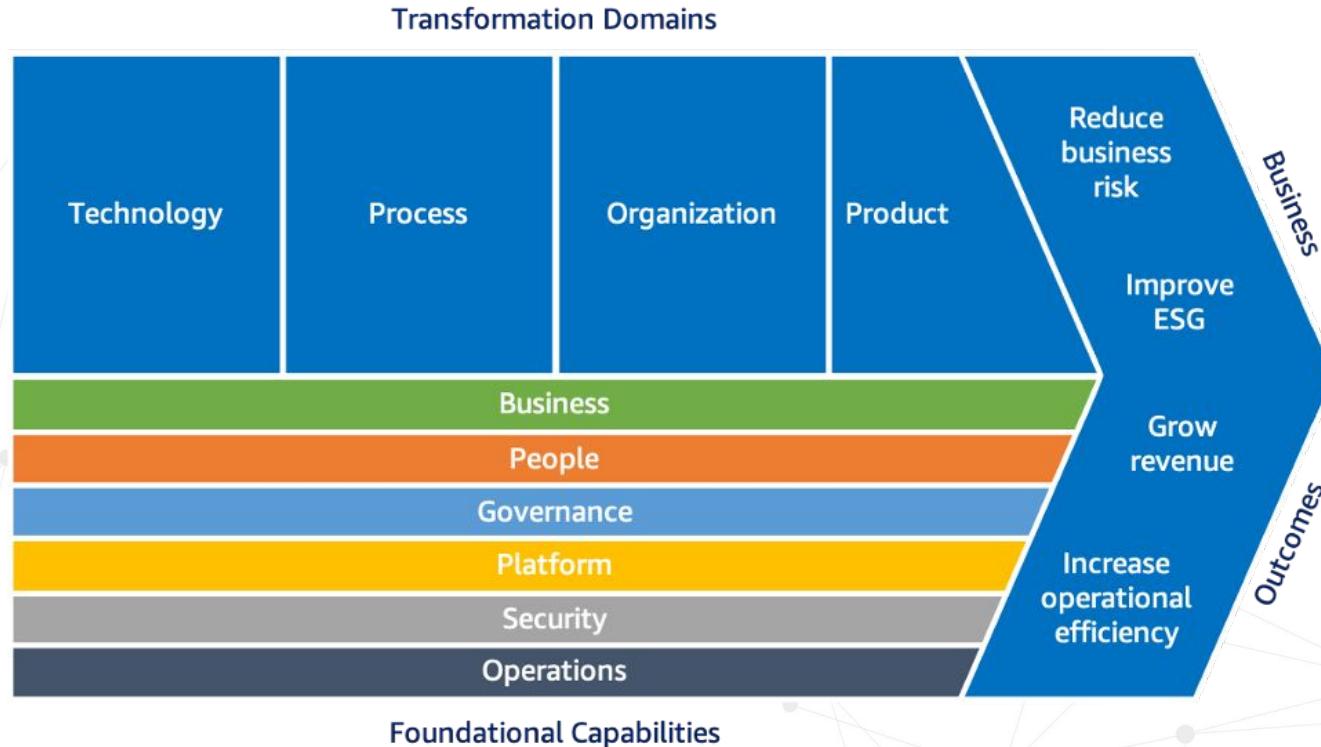


## Realize Value

Measure incremental  
business value

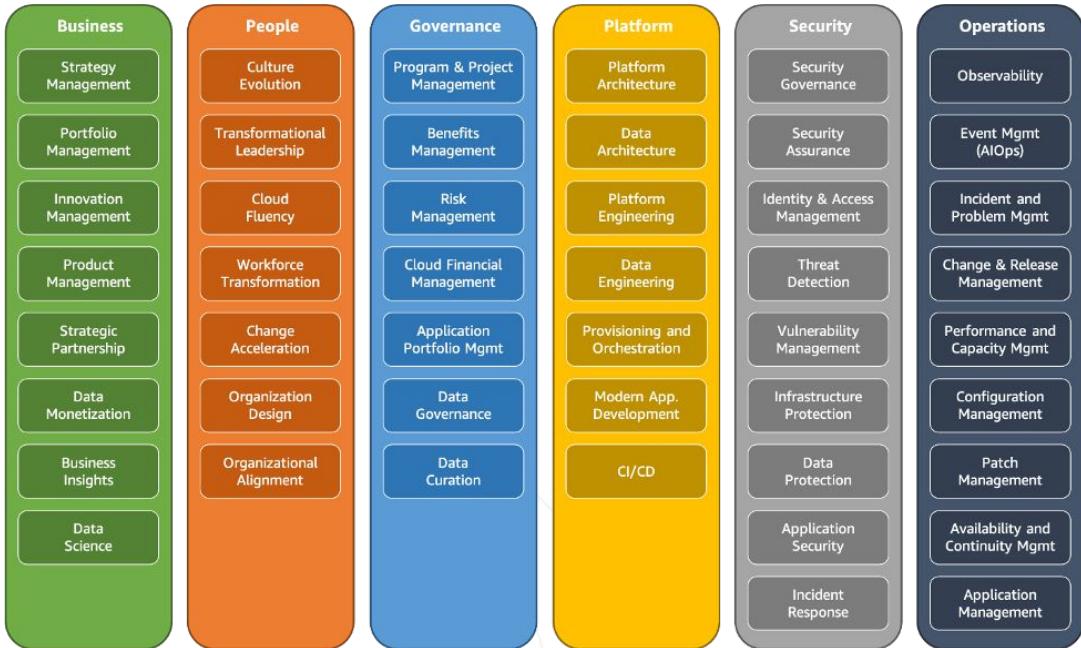
# Execute AWS CAF perspectives

Accelerating business outcomes with cloud powered digital transformation



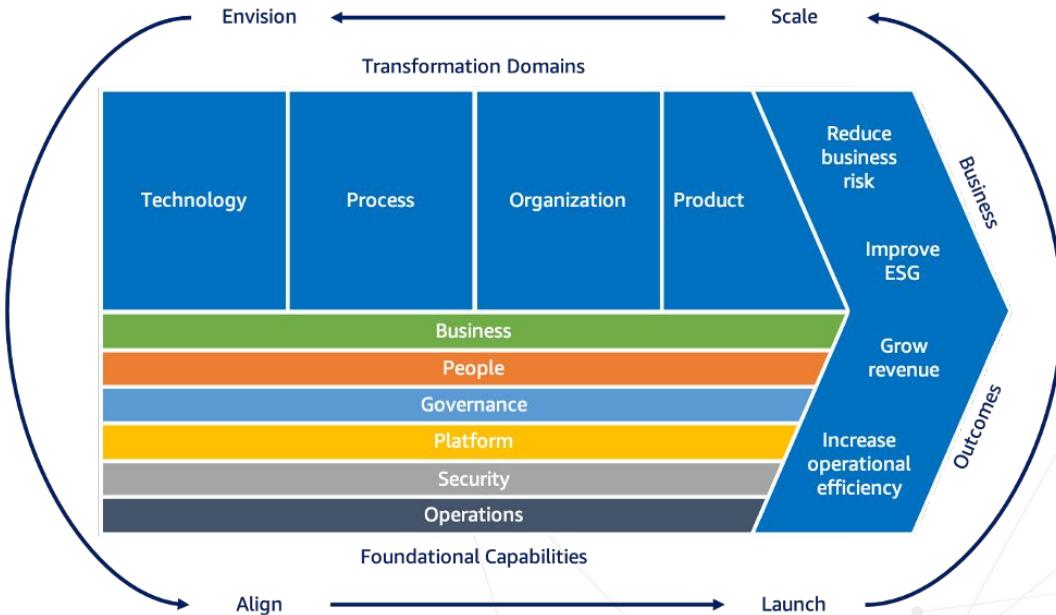
# Foundational capabilities

- AWS CAF groups its capabilities in six perspectives: Business, People, Governance, Platform, Security, and Operations.
- Each perspective comprises a set of capabilities that functionally related stakeholders own or manage in your cloud transformation journey.



# Your cloud transformation journey

- Transforming incrementally will allow you to demonstrate value quickly while minimizing the need to make far-reaching predictions.
- Adopting an iterative approach will help you maintain momentum and evolve your roadmap as you learn from experience.
- The AWS CAF recommends four iterative and incremental cloud transformation phases shown in the following figure.



# Business perspective

- The business perspective focuses on ensuring that your cloud investments accelerate your digital transformation ambitions and business outcomes.
- It comprises eight capabilities shown in the following figure. Common stakeholders include the CEO, CFO, COO, CIO, and CTO.

## Strategy Management

*leverage cloud to accelerate your business outcomes*

## Portfolio Management

*prioritize delivery of high-value cloud products and initiatives*

## Innovation Management

*leverage cloud to develop new, and improve existing, processes, products, and experiences*

## Product Management

*manage data and cloud-enabled offerings as products*

## Strategic Partnership

*build or grow your business through a strategic partnership with your cloud provider*

## Data Monetization

*leverage data to obtain measurable business benefit*

## Business Insights

*gain real-time insights and answer questions about your business*

## Data Science

*leverage advanced analytics, and machine learning to solve complex business problems*

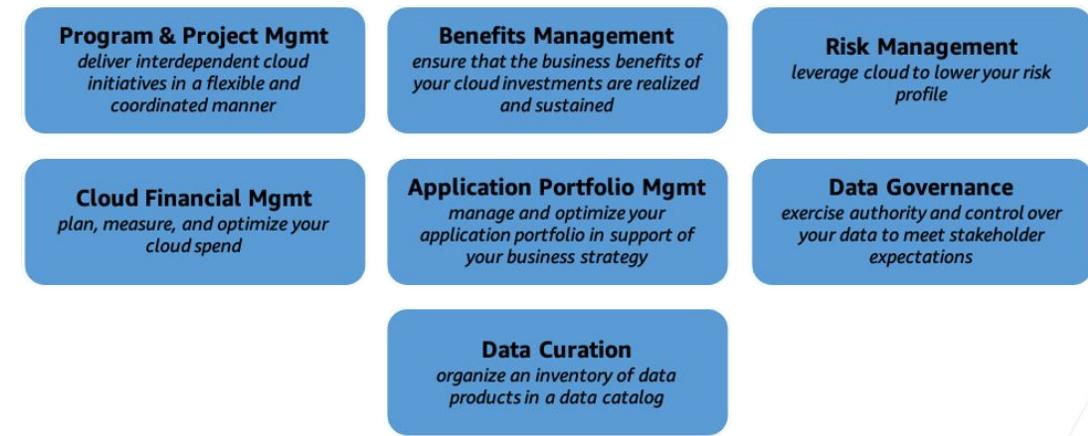
# People perspective

- The people perspective serves as a bridge between technology and business, accelerating the cloud journey to help organizations more rapidly evolve to a culture of continuous growth, learning, and where change becomes business-as-normal, with focus on culture, organizational structure, leadership, and workforce.
- Common stakeholders include CIO, COO, CTO, cloud director, and cross-functional and enterprise-wide leaders



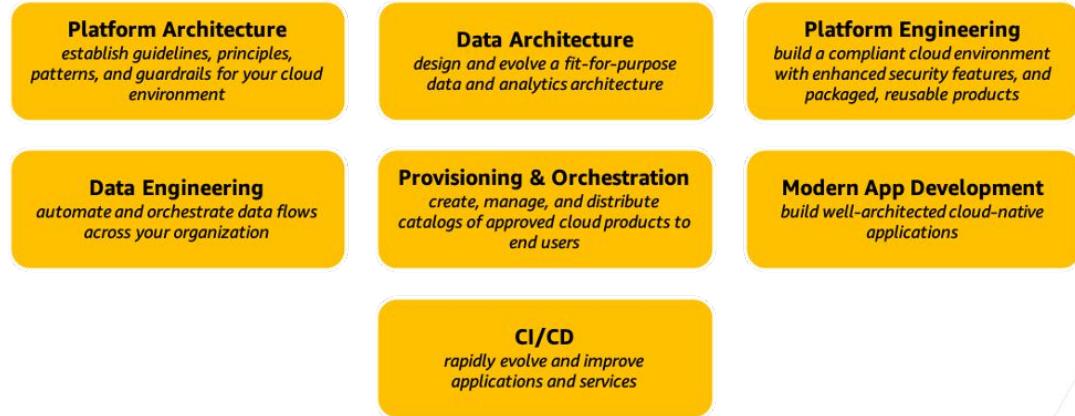
# Governance perspective

- The governance perspective focuses on orchestrating your cloud initiatives while maximizing organizational benefits and minimizing transformation-related risks.
- It comprises seven capabilities shown in the following figure. Common stakeholders include chief transformation officer, CIO, CTO, CFO, CDO, and CRO.



# Platform perspective

- The platform perspective focuses on accelerating the delivery of your cloud workloads via an enterprise-grade, scalable, hybrid cloud environment.
- It comprises seven capabilities shown in the following figure. Common stakeholders include CTO, technology leaders, architects, and engineers.



# Security perspective

- The security perspective helps you achieve the confidentiality, integrity, and availability of your data and cloud workloads.
- It comprises nine capabilities shown in the following figure. Common stakeholders include CISO, CCO, internal audit leaders, and security architects and engineers.



# Operations perspective

- The operations perspective focuses on ensuring that cloud services are delivered at a level that is agreed upon with your business stakeholders.
- Automating and optimizing operations will allow you to effectively scale while improving the reliability of your workloads.
- Common stakeholders include infrastructure and operations leaders, site reliability engineers, and information technology service managers.

**Observability**  
*gain actionable insights from your infrastructure and application data*

**Event Mgmt (AIOps)**  
*detect events, assess their potential impact, and determine the appropriate control action*

**Incident & Problem Mgmt**  
*quickly restore service operations and minimize adverse business impact*

**Change & Release Mgmt**  
*introduce and modify workloads while minimizing the risk to production environments*

**Performance & Capacity**  
*monitor workload performance and ensure that capacity meets current and future demands*

**Configuration Mgmt**  
*maintain a record of your cloud workloads, their relationships, and configuration changes over time*

**Patch Management**  
*systematically distribute and apply software updates*

**Availability & Continuity**  
*ensure availability of business-critical information, applications, and services*

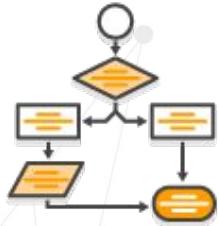
**Application Management**  
*investigate and remediate application issues in a single pane of glass*

# AWS Programs for Customer Support





# AWS MIGRATION ACCELERATION PROGRAM



MIGRATION  
METHODLOGY



AWS AND PARTNER TOOLS



AWS PARTNERS

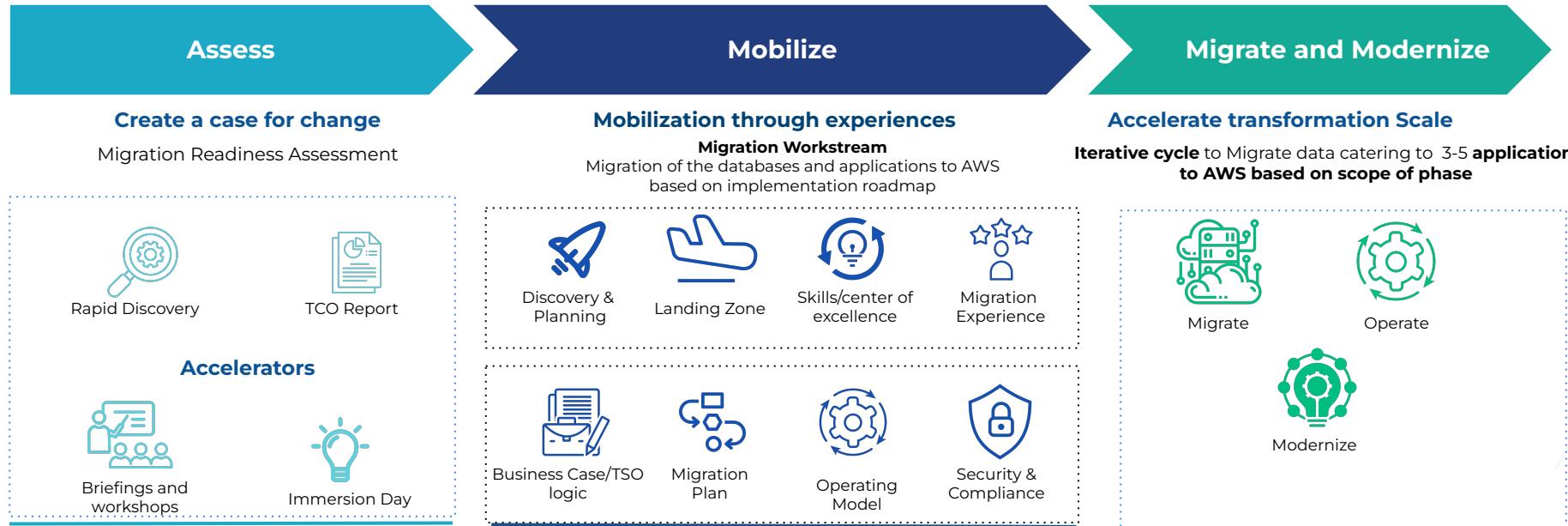


AWS TRAINING



AWS PROFESSIONAL  
SERVICES

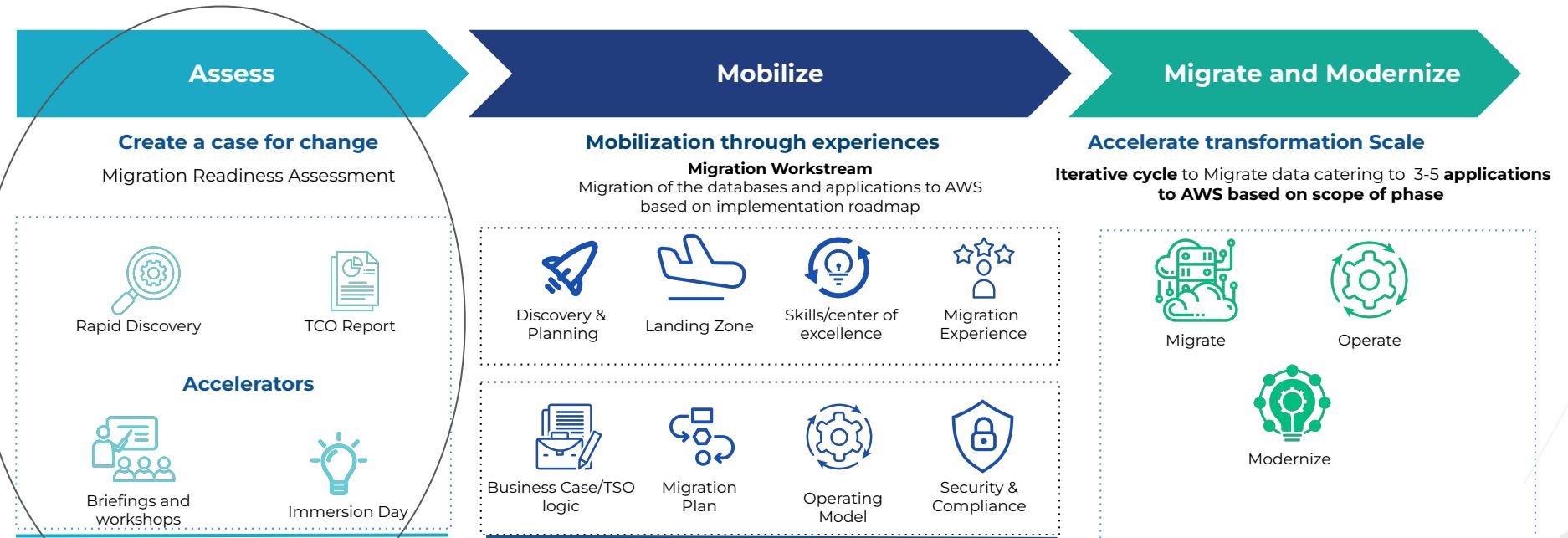
# Migration customer journey



## Assessment Phase Ecosystem Understanding and Reusable Framework Definition

- |  |   |   |
|--|---|---|
| <ul style="list-style-type: none"><li>• Understand current ecosystem</li><li>• Define priority order</li><li>• Reusable Framework Definition</li></ul> | <ul style="list-style-type: none"><li>• Discover expected performance</li><li>• Discover business outcome</li><li>• Finalize Platform Architecture and Design (data model, lineage, security etc)</li></ul> | <ul style="list-style-type: none"><li>• Assess and analyse detailed current state</li><li>• Finalize migration plan and roadmap</li></ul> |
|--|---|---|

# Migration customer journey



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- Understand current ecosystem
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- Reusable Framework Definition

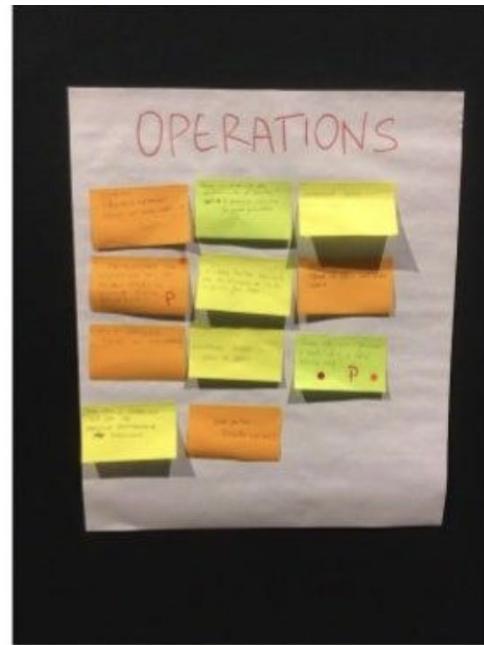
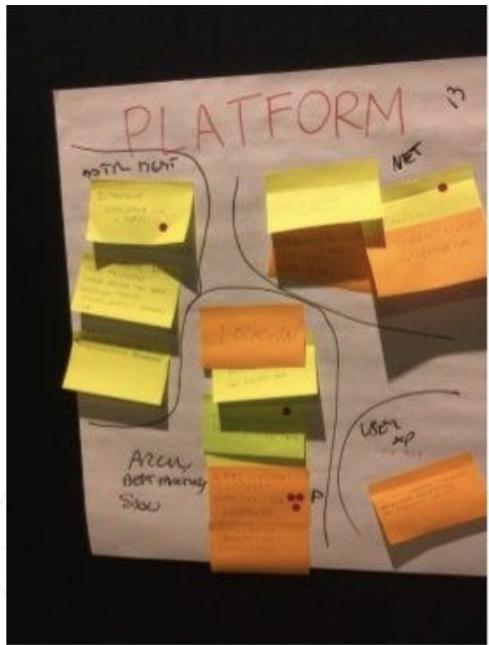
- Discover expected performance
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- Finalize Platform Architecture and Design (data model, lineage, security etc)

- Assess and analyse detailed current state
- Finalize migration plan and roadmap

# Challenges, theme, actions, priorities



# Challenges, theme, actions, priorities



# Transforming to a cloud environment

Seven structured activities

## Identify and classify challenges

A1: Identify challenges

A2: Assign by Perspective

A3: Identify themes

## Determine actions and build consensus

A4: Classify challenges

A5: Create actions

A6: Assign priorities

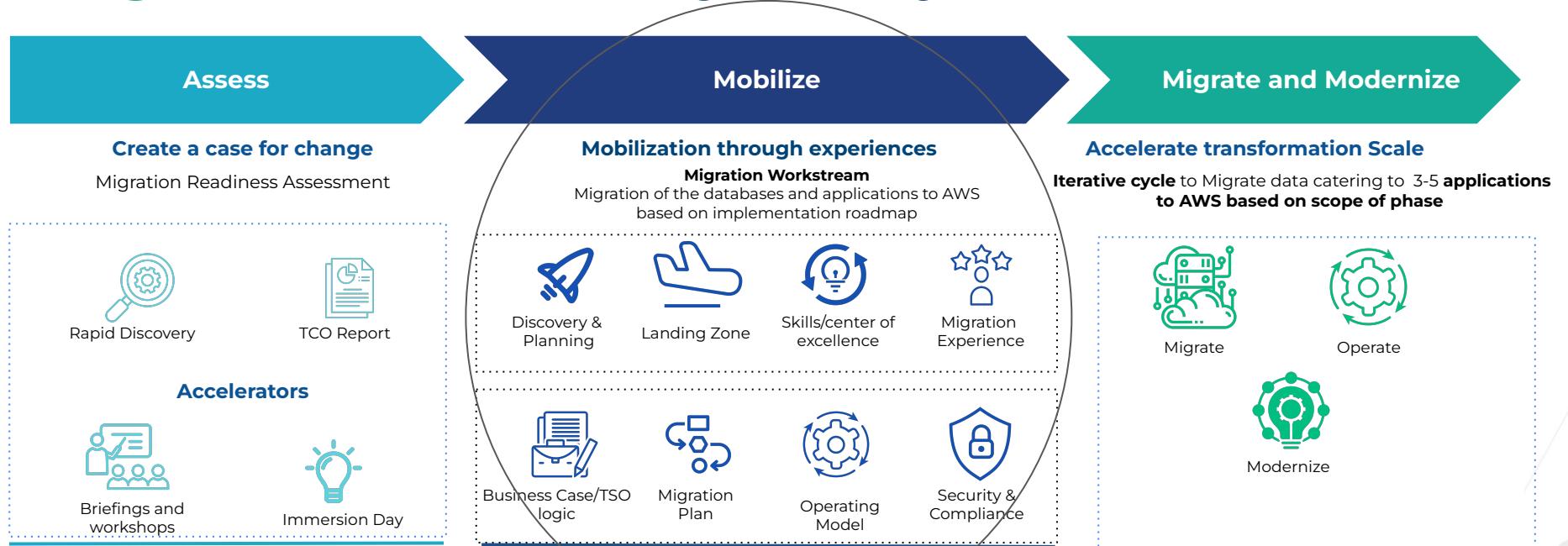
A7: Determine next steps

## Begin your cloud journey

Finalize next steps

Exit workshop with Action Plan

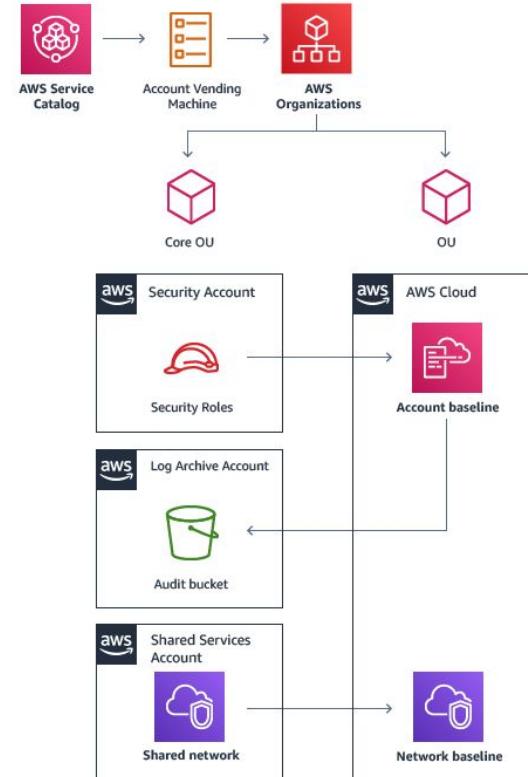
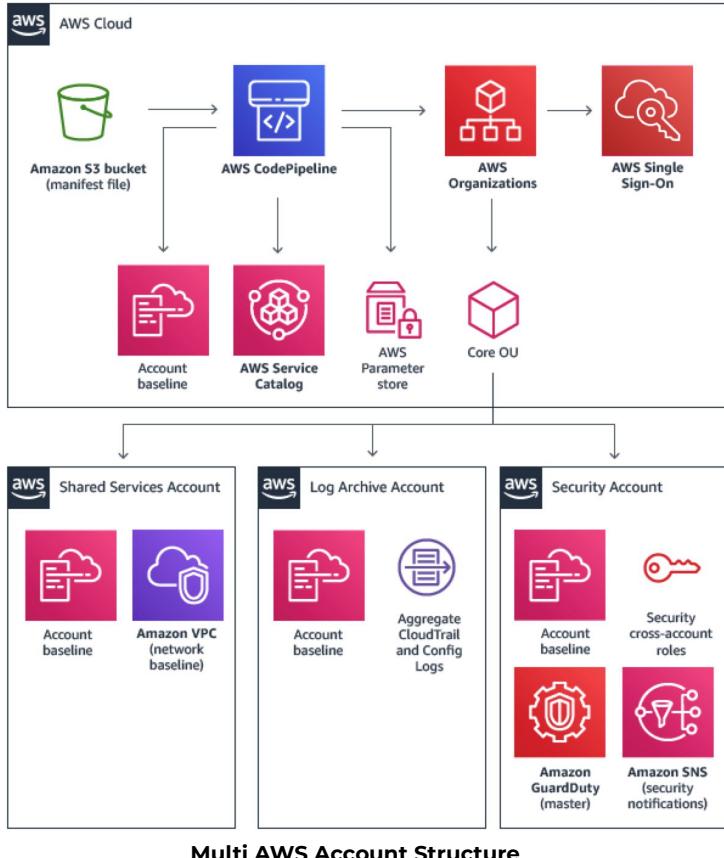
# Migration customer journey



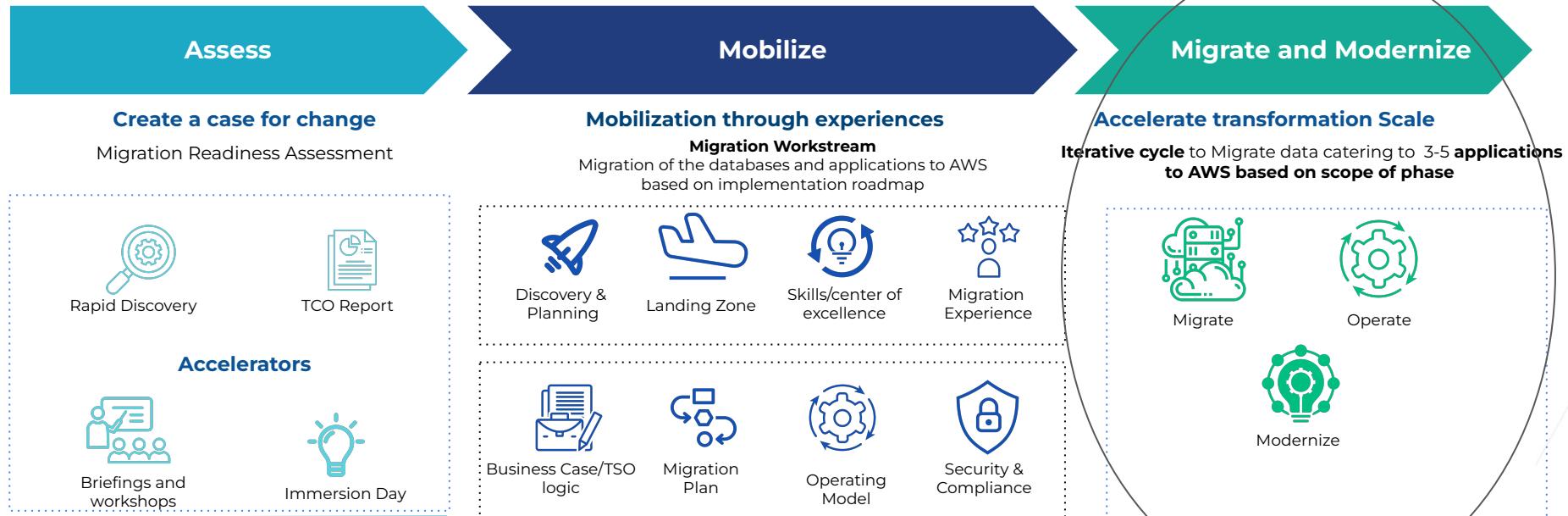
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# AWS Foundational Framework



# Migration customer journey



## Assessment Phase Ecosystem Understanding and Reusable Framework Definition

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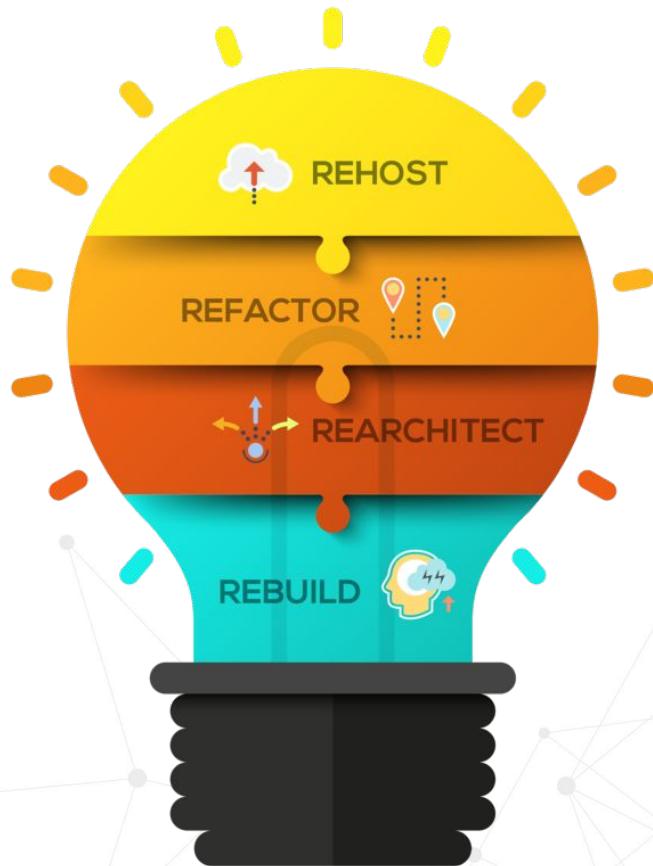
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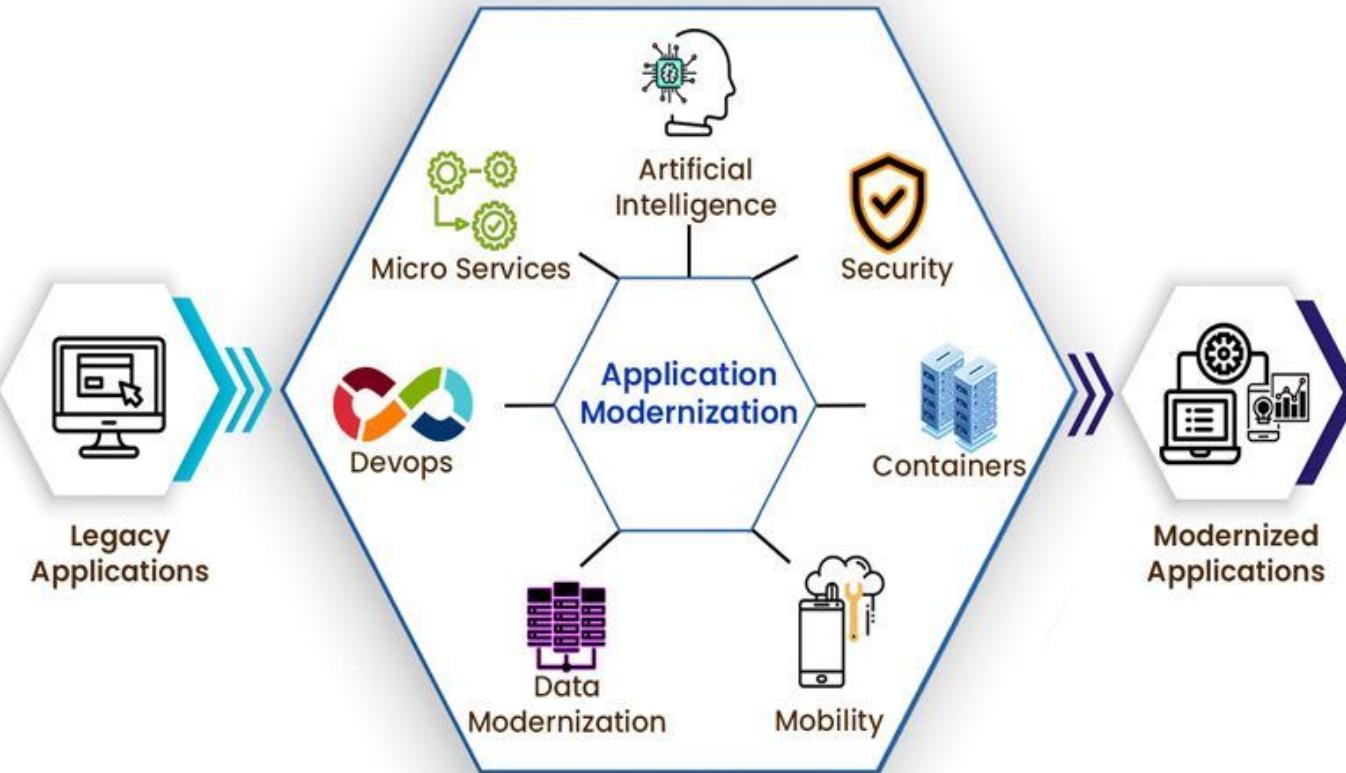
# Migrate and Modernize

For existing apps, the following options will be considered for suitability:

- Rehost: Commonly known as “lift and shift”, this option lets you migrate your existing applications to Azure quickly without the risks or costs of making code changes.
- Refactor: Is a cloud migration strategy that calls for only minimum new code and configuration changes necessary to leverage Azure PaaS and take advantage of the cloud.
- Rearchitect: Sometimes called redesign or re-platform, this modernization approach extends an application's code base to optimize the application architecture for cloud scale.
- Rebuild or Replace: This approach suggests starting from scratch using cloud native technologies (i.e., PaaS)



# Migrate and Modernize



# Summary



# Summary

- Transforming your business with the cloud
- Leveraging the cloud to increase business value and reduce risk
- Executing each stage of AWS CAF: Envision, alignment, launch, and realize value
- Defining business outcomes for each stage
- Next steps





A network graph consisting of numerous small, semi-transparent gray circular nodes scattered across the frame. These nodes are interconnected by a web of thin, light gray lines, creating a sense of a complex, decentralized system or community.

**THANK YOU**