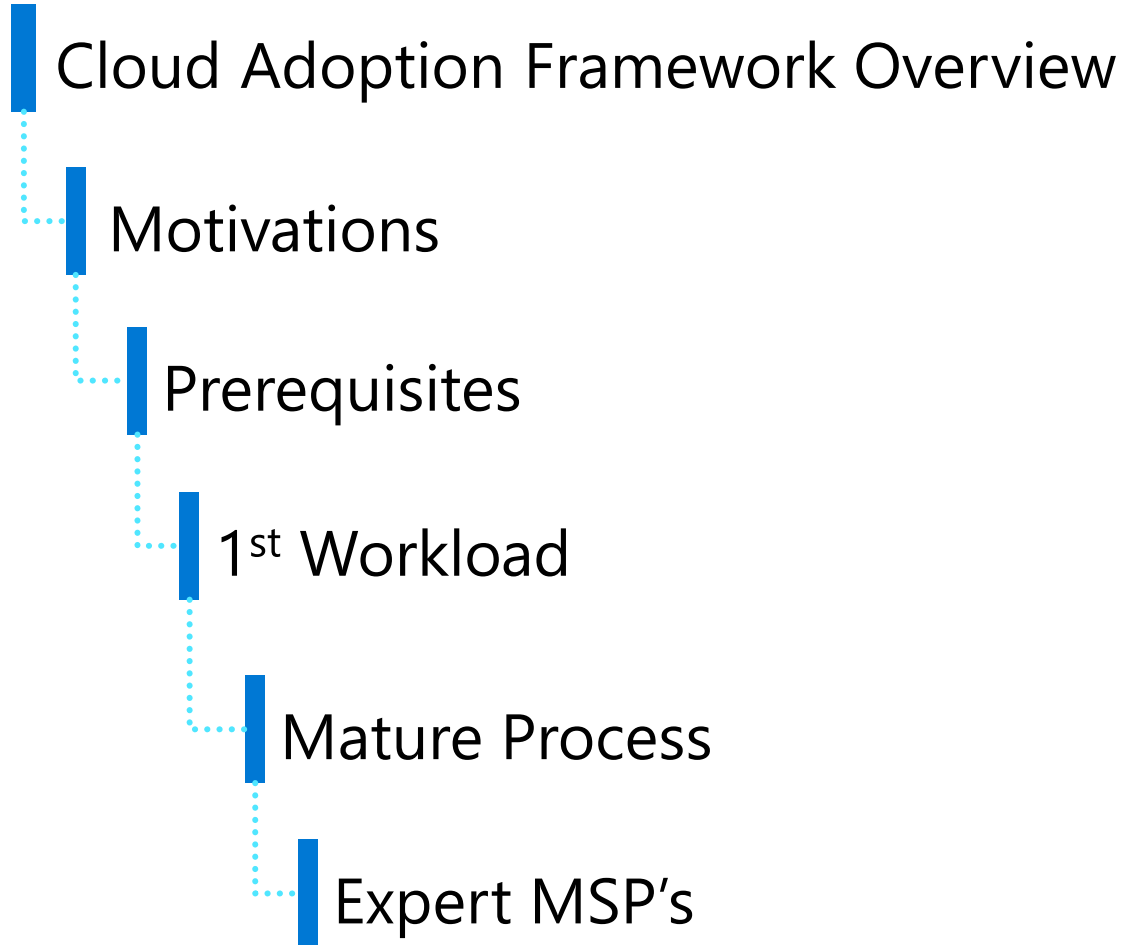




# Microsoft Cloud Adoption Framework for Azure Migrate

Speaker  
Title

# Agenda



# Key Business Drivers

Business Transformation enabled by  
Cloud Technologies



## Modernization

Improving customer and employee experiences



## Transformation

Evolving how businesses operate and interact with the market



## Growth

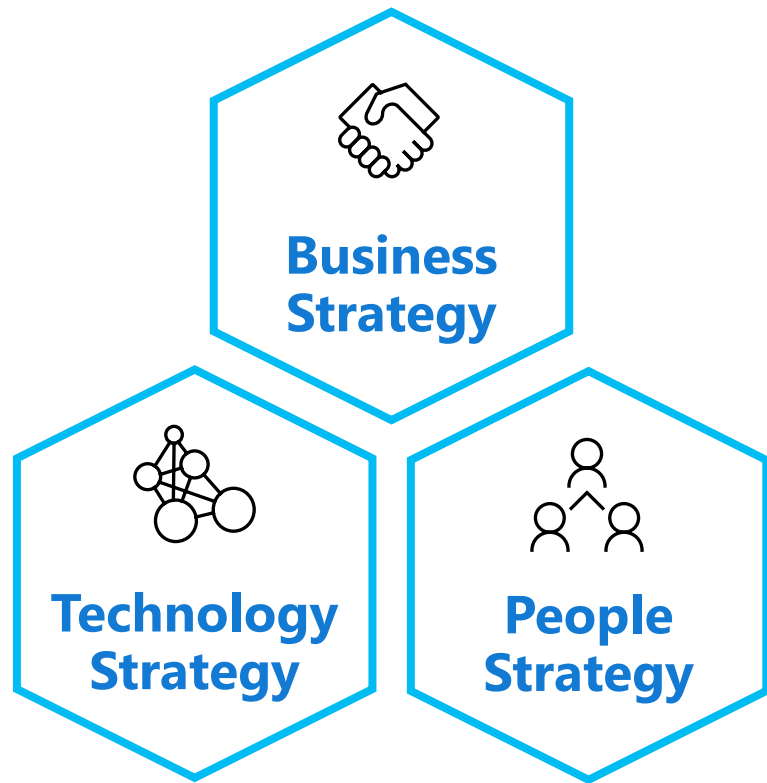
Scaling products and services to meet ever growing business needs



## Business Returns

IT must rapidly produce measurable business returns to stay relevant

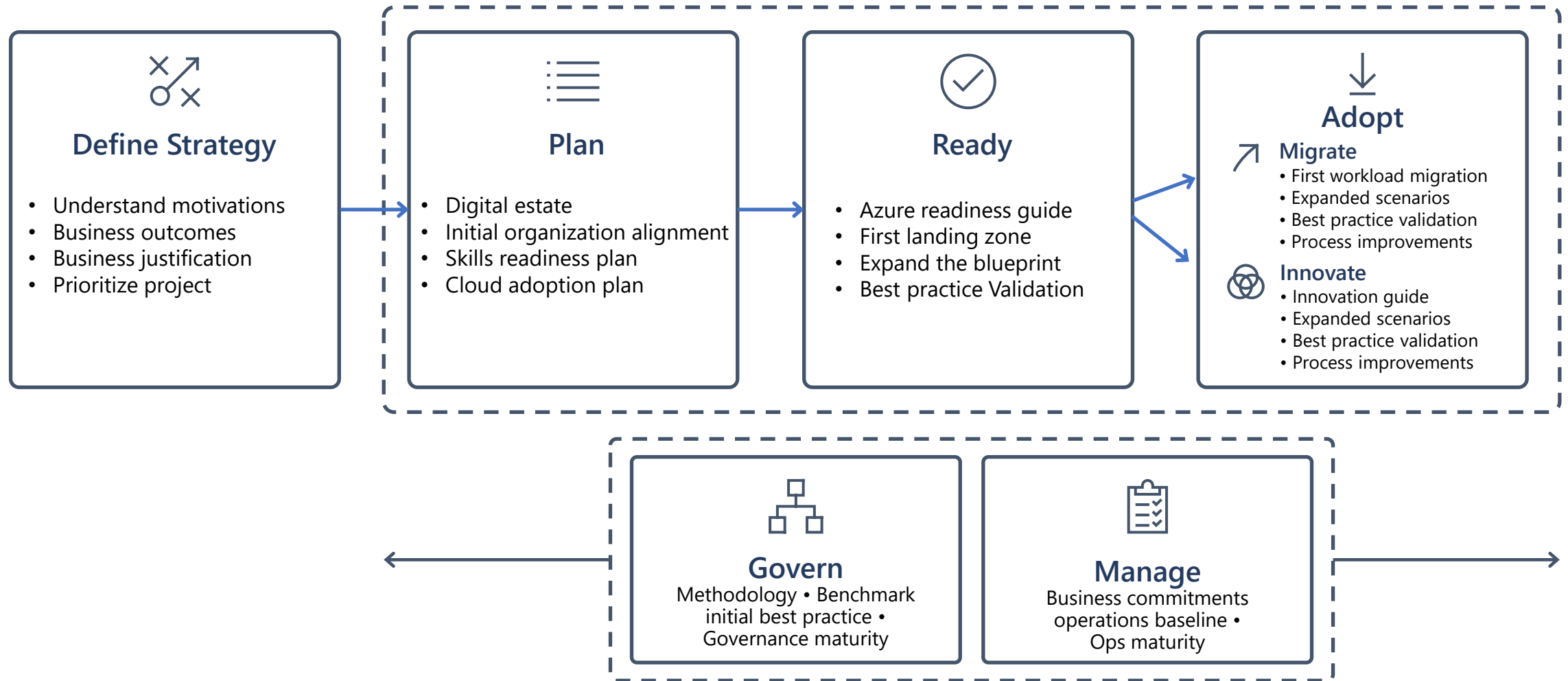
# Microsoft Cloud Adoption Framework for Azure



**Actionable, efficient, and comprehensive**  
Azure cloud guidance from Microsoft to  
accelerate your adoption journey

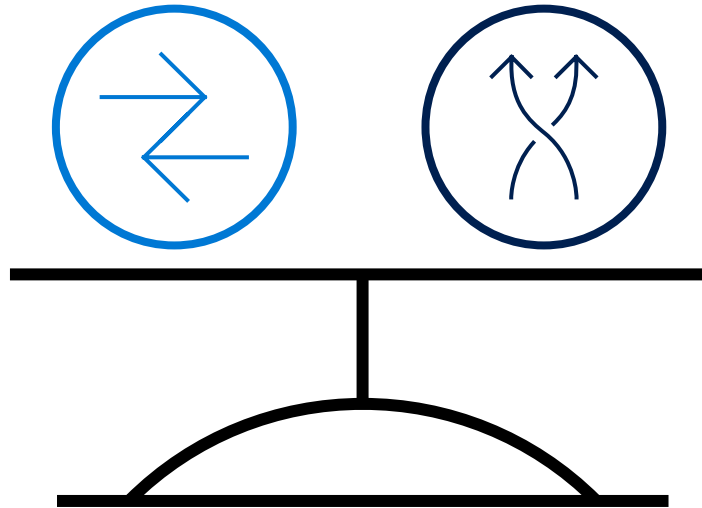
Microsoft Cloud Adoption Framework for  
Azure enables you align **business, people  
and technology strategy** to achieve your  
business goals

# Microsoft Cloud Adoption Framework for Azure



# Cloud Adoption Framework Migrate: Balance within migration efforts

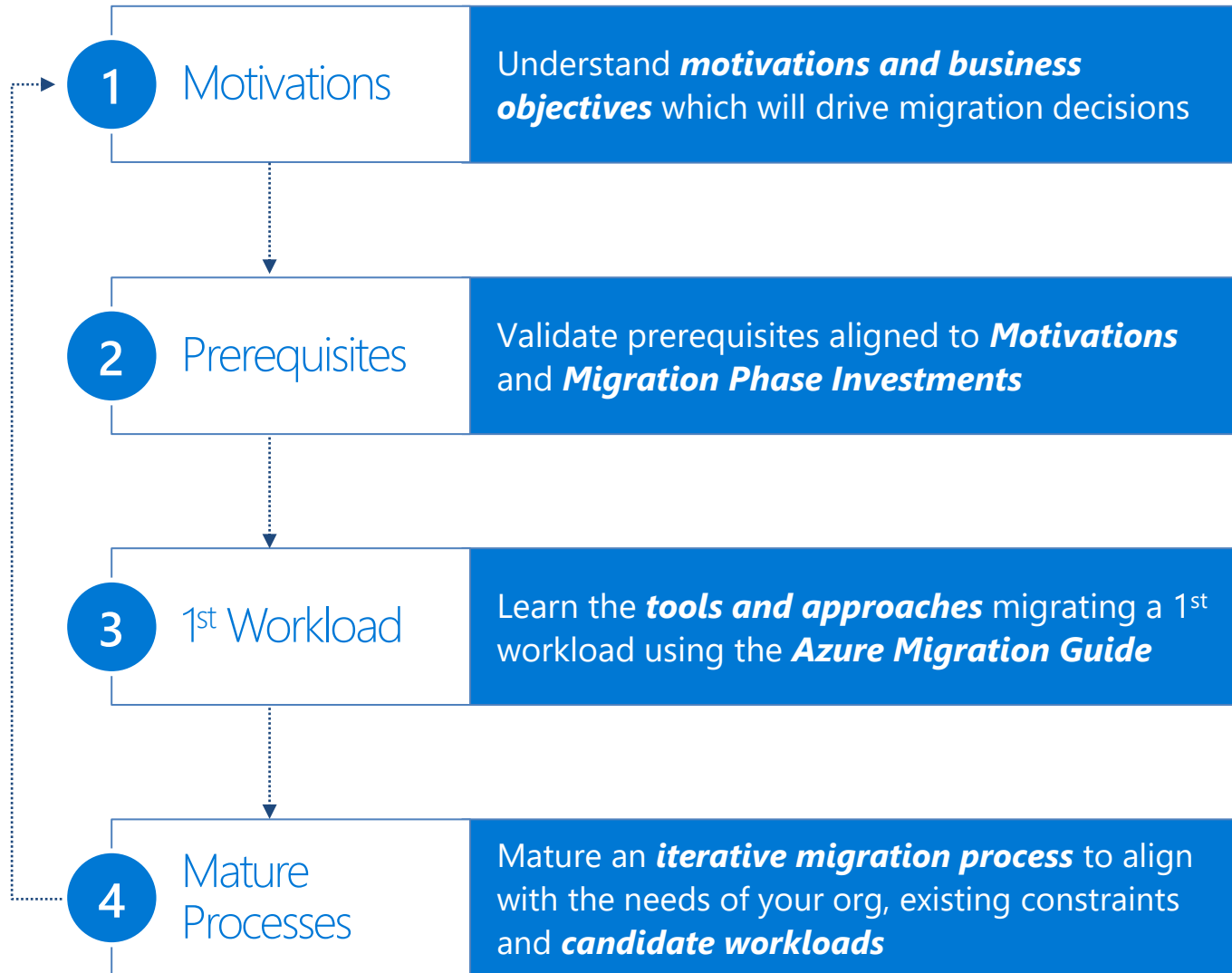
**Lift, Shift, & Optimize**



**Modernize**

Cloud Adoption Framework Migrate provides a single migration methodology that balances Lift, Shift, & Optimize motions and Modernization motions, into one fluid process

# How Do I Get Started?

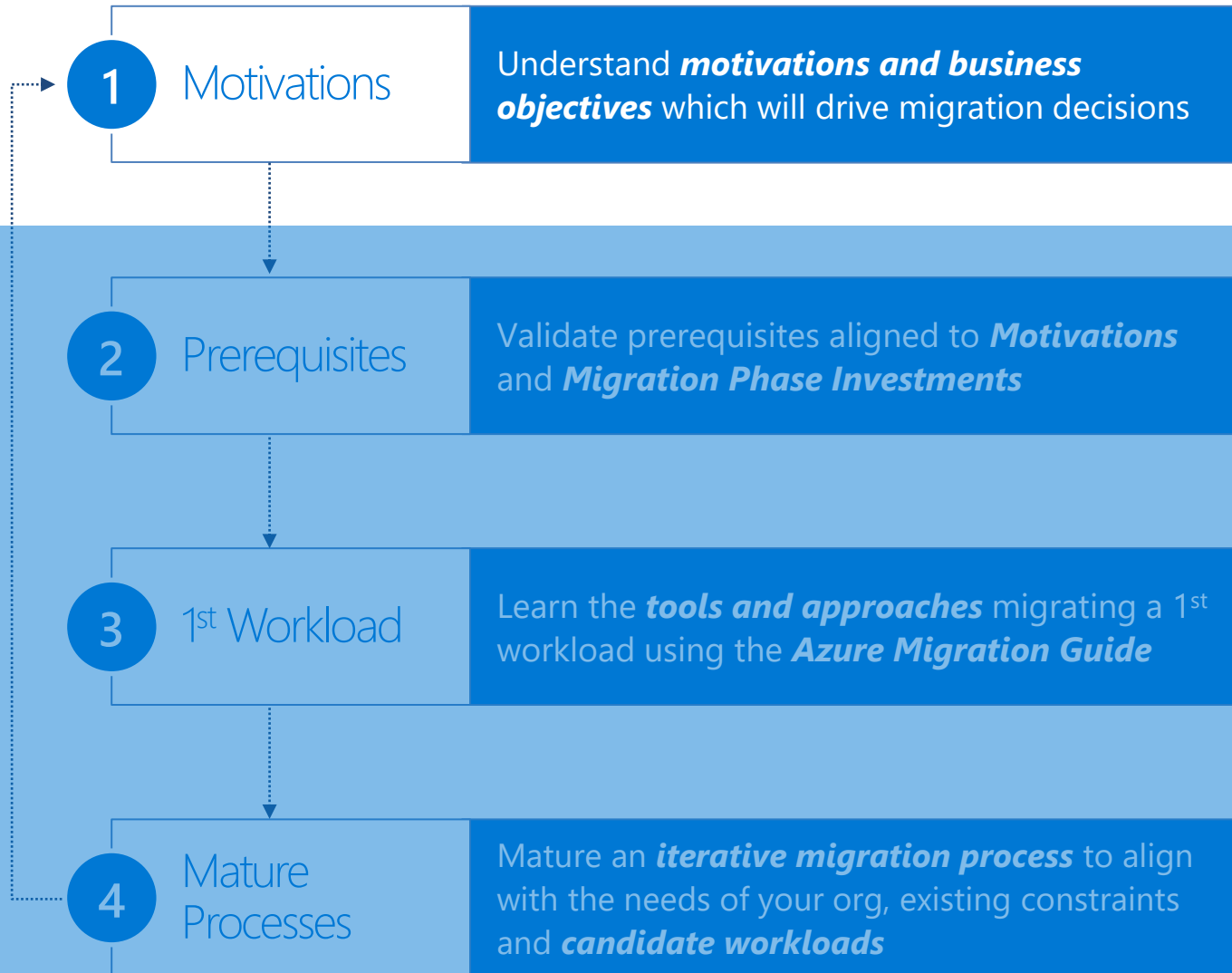


# Motivations

Understand the motivation and objectives behind the desire to migrate to the cloud



# How Do I Get Started?



# Cloud Adoption Motivations

Why is the company adopting the cloud?  
More than one motivation is common in most cloud adoption efforts

## Critical Business Events

- Data center exit
- Mergers, acquisition or divestiture
- Reductions in capital expenses
- End of support for mission critical technologies
- Regulatory compliance, data sovereignty requirements
- Reduce disruptions and improve IT stability

## Migrate Motivations

- Cost Savings
- Reduction in vendor or technical complexity
- Optimization of internal operations
- Increase business agility
- Prepare for new technical capabilities
- Scale to meet market demands
- Scale to meet geographic demands

## Innovation Motivations

- Prepare for new technical capabilities
- Build new technical capabilities
- Scale to meet market demands
- Scale to meet geographic demands
- Improve customer experiences / engagements
- Transform products or services
- Disrupt the market with new products or services

# Simplified migration objectives



Migrate **Assets** (Infra, Apps, or Data) in response to a critical event or need to move specific assets



Migrate **Workloads** to streamline cost, complexity, and operations



Migrate the **Portfolio** to improve business agility, tech capability & scale



# Clarifying Motivations

## Migration Leaning:

Do the team's plans lean more to one of the following approaches?



Shift & Lift



Modernization

## Objective Focus:

Is the team focused most heavily on one of the following objectives?

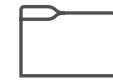


Assets

(infra, apps, & data)



Workloads



Portfolio

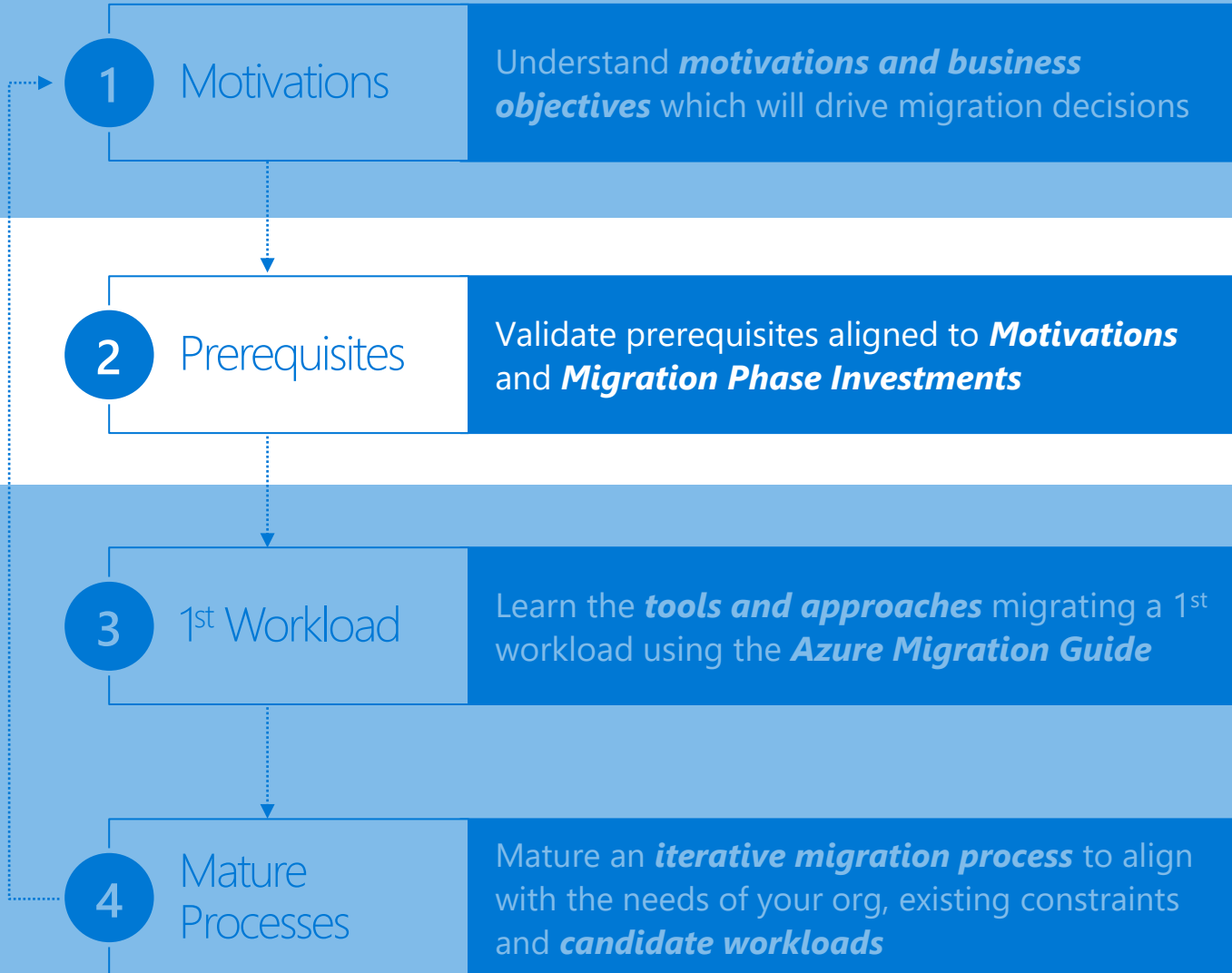
## Motivations:

Prioritize the following motivations based on desired business outcomes

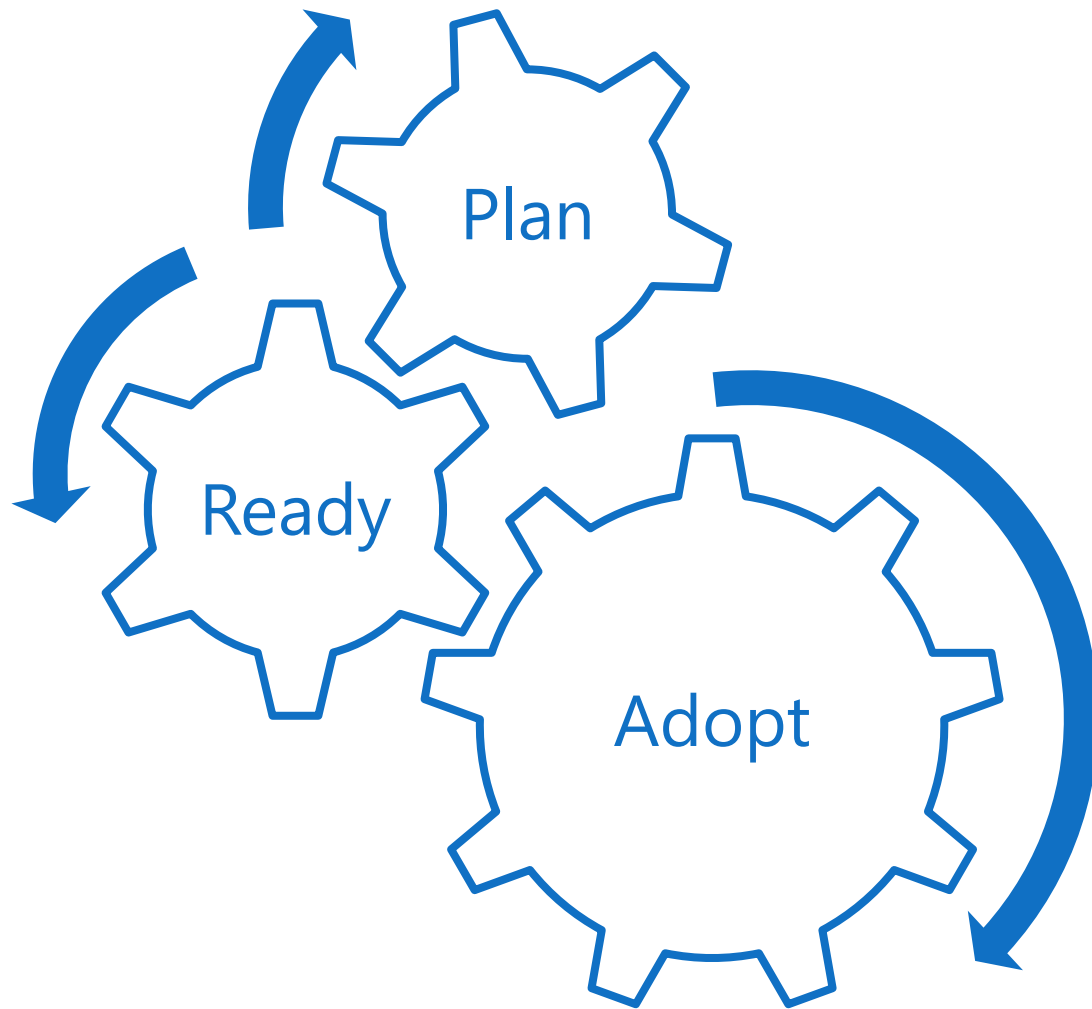
1. Data center exit
2. Mergers, acquisition or divestiture
3. Reductions in capital expenses
4. End of support for mission critical technologies
5. Regulatory compliance, data sovereignty requirements
6. Reduce disruptions and improve IT stability
7. Cost Savings
8. Reduction in vendor or technical complexity
9. Optimization of internal operations
10. Increase business agility
11. Prepare for new technical capabilities
12. Scale to meet market demands
13. Scale to meet geographic demands
14. Prepare for new technical capabilities
15. Build new technical capabilities
16. Scale to meet market demands
17. Scale to meet geographic demands
18. Improve customer experiences / engagements
19. Transform products or services
20. Disrupt the market with new products or services



# How Do I Get Started?



# You are here

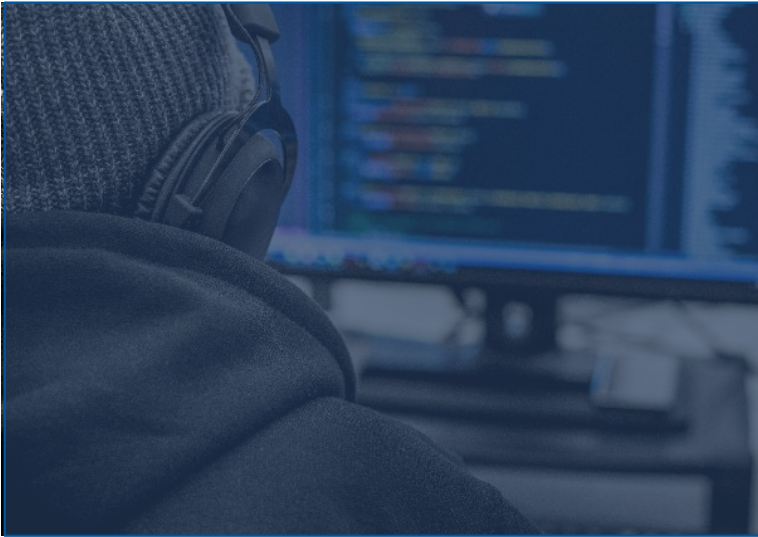


This deck assumes you are ready to execute the migration process, which is distinct methodology within the Adopt phase of CAF guidance.

This section of the deck helps the customer test readiness assumptions to prevent future roadblocks or re-work



# Plan Prerequisites



## First workload

Demonstrate a growth mindset by choosing a small, low impact, self-contained first workload for the Cloud Adoption Team to migrate & learn. See next section for guidance on execution.



## Business justification

Align the right level of business justification using [calculators and Azure Migrate](#), [digital estate rationalization](#), and/or a [migration business case](#).

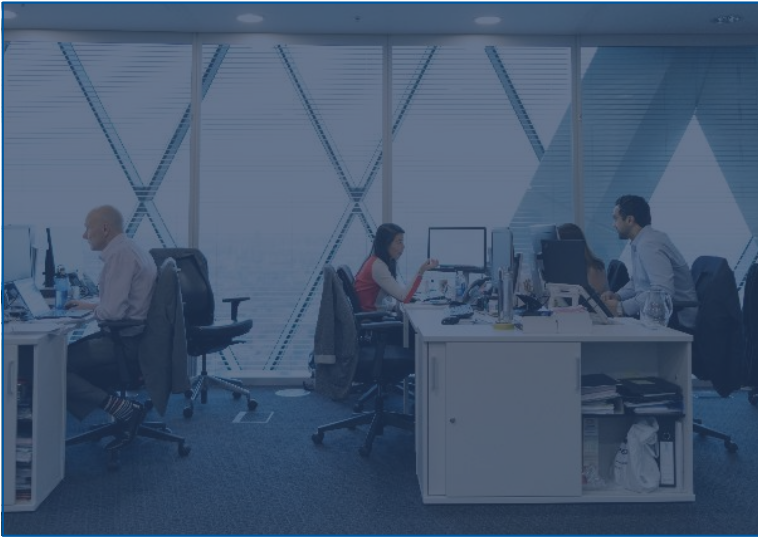


## Build a migration plan

Align business and technical strategies to [rationalization the digital estate](#) and create an initial [migration backlog](#).

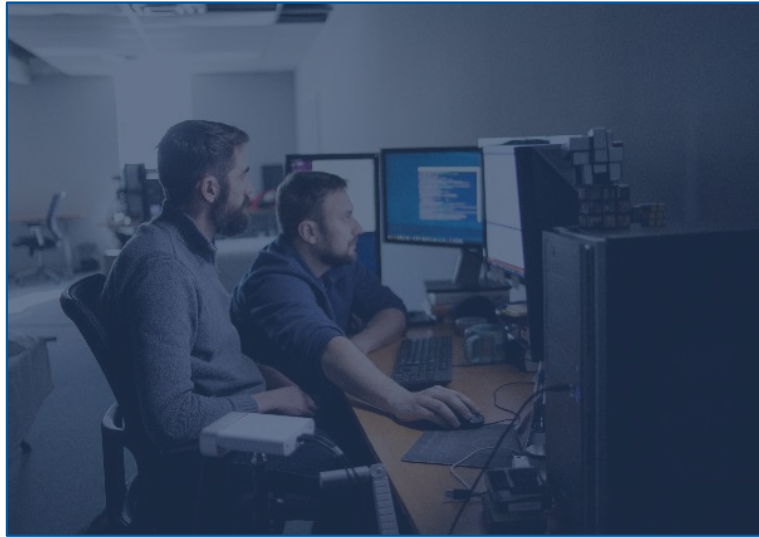


# Ready Prerequisites



## Business readiness

Create [initial org alignment](#) with a Cloud Strategy Team to represent business needs and market changes in the migration backlog



## Skill & support readiness

Create a [skills readiness plan for staff](#) (IT and Business Staff), identify execution gaps, align key partners, choose support and services options



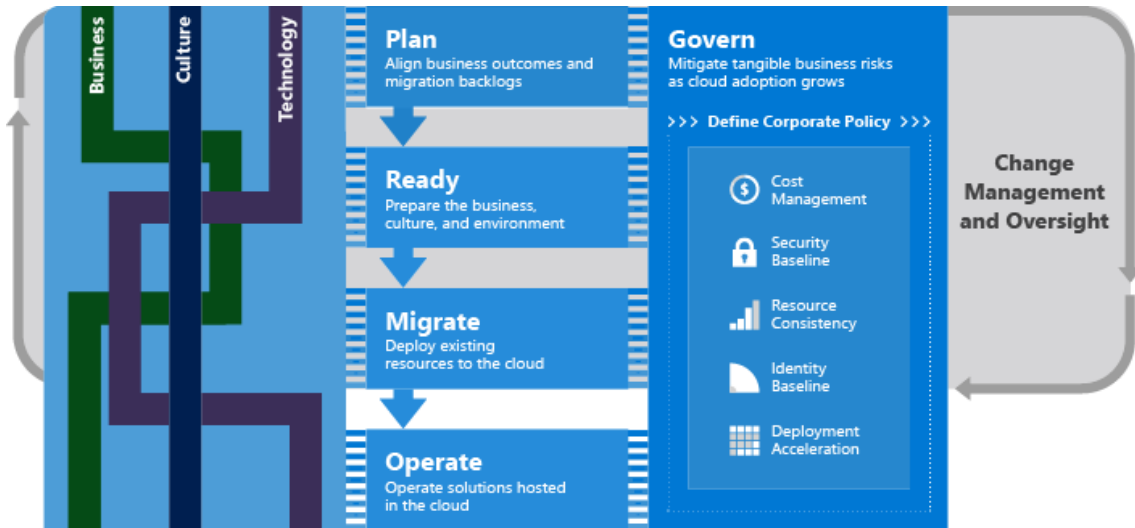
## Environment Readiness

Establish a [Landing Zone](#) in the cloud. This target should be readied to handle the workloads and assets being migrated to the cloud

# Migration methodology

Prioritize investments of time and energy based on migration objectives

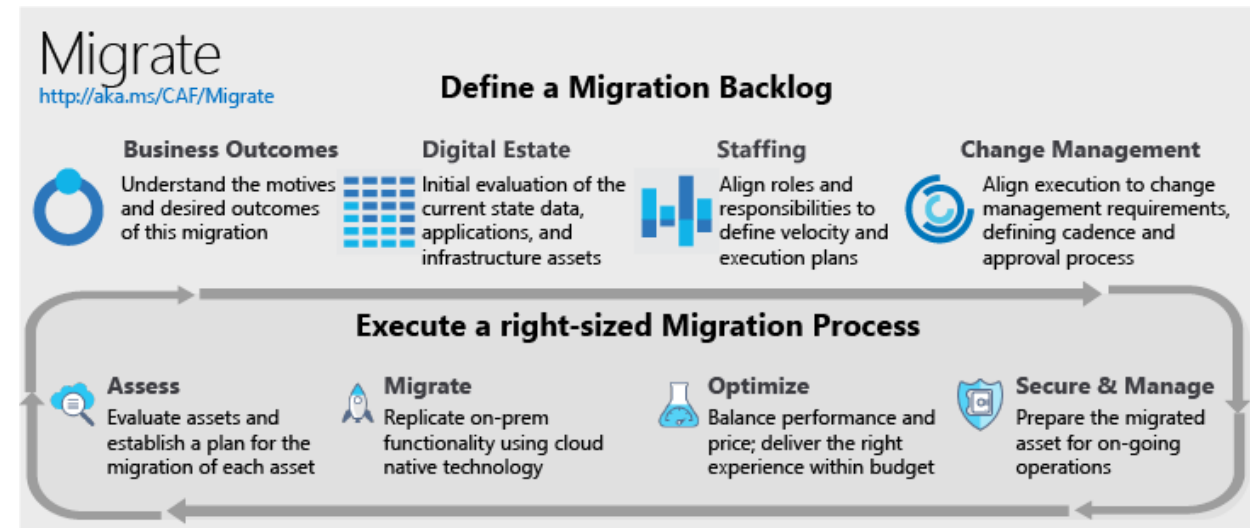
## Migration Strategy & Plan



### Migration Strategy & Plan

Align the business outcomes, priorities, and constraints to establish a migration strategy & plan that outlines the approach to migration and modernization of the IT portfolio, which spans the full collection of data centers, workloads, and/or misc. IT assets supported across all of IT. Proper management of the portfolio across the migration effort will drive the desired business impact.

## Migration Implementation



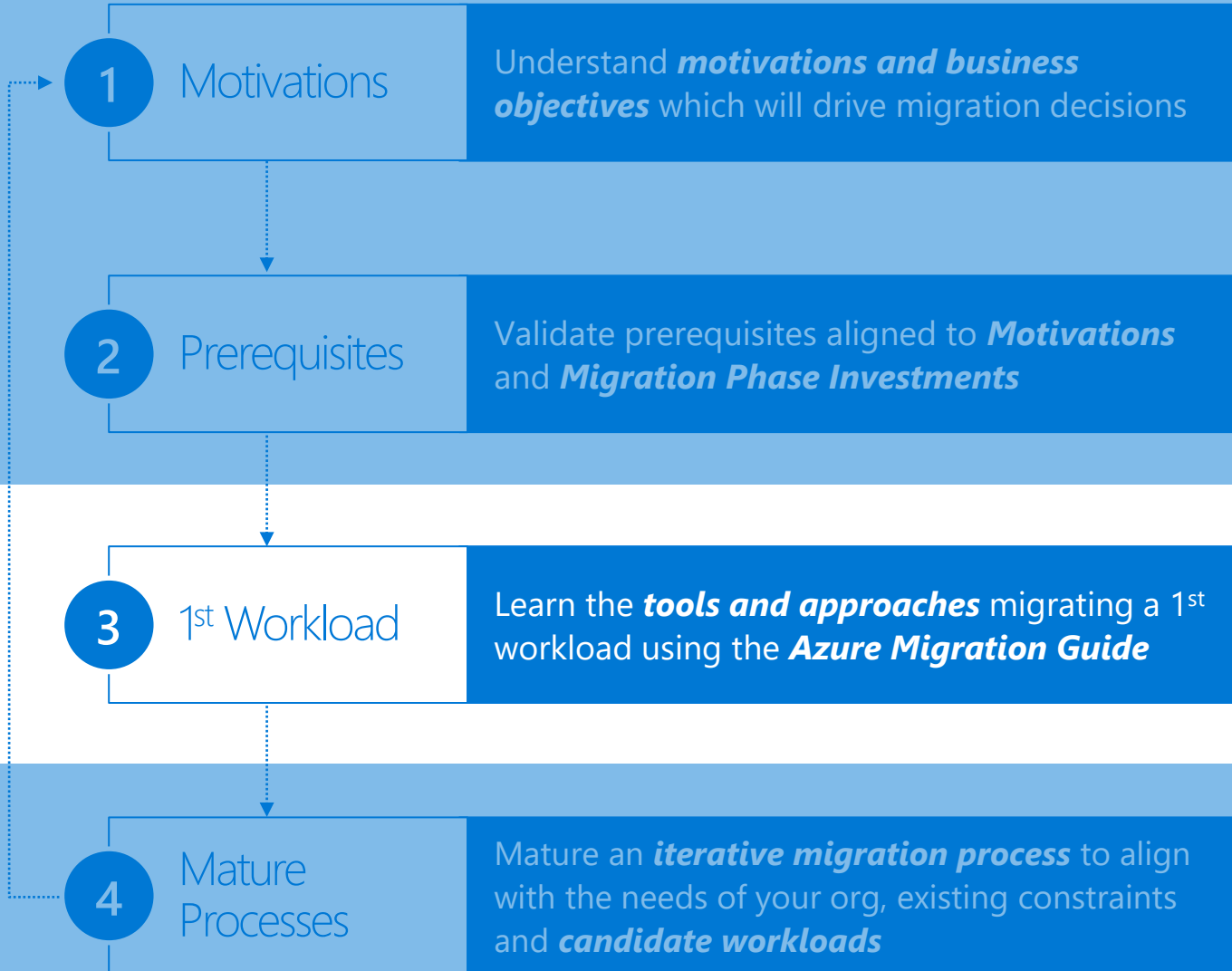
### Migration Implementation

Iterative process for migrating and modernizing the digital estate in alignment with targeted business outcomes and change management controls. During each iteration, workloads are migrated &/or modernized in alignment with the strategy & plan. Decisions regarding IaaS, PaaS, or hybrid are made during the assess phase to optimized control and execution. Those decisions will drive the tools used during the Migrate phase.

# First Workload

Select a workload. Execute the Readiness and Migration Guidelines

# How Do I Get Started?



# Azure Readiness Guide (Create the first landing zone)

Naming Standards

Resource  
Organization

Identity and Access



## Compute

Configuring virtual machines for availability, scale and performance



## Network

Designing the network for current and future connectivity requirements



## Storage

Planning for performance, durability, scalability and archival



## Manage

Planning for production operations for monitoring and disaster recovery



## Governance

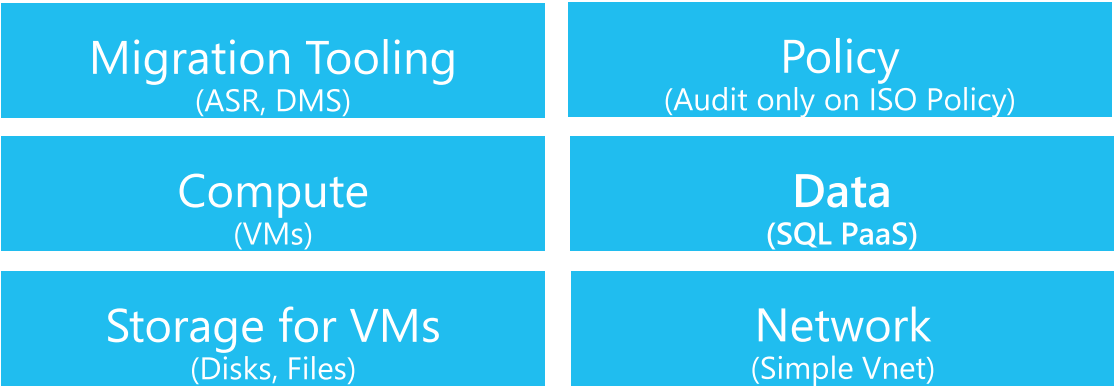
Control access to resources, what can be used, setup cost management and chargeback

Build a solid foundation using best practices and prescriptive guidance prior to starting migration efforts

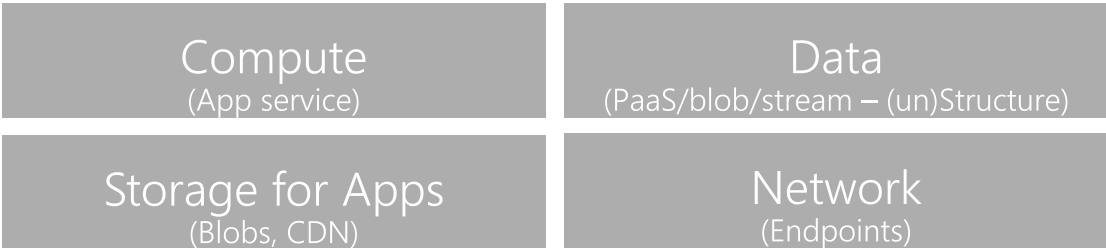
Azure Readiness Guide: <https://review.docs.microsoft.com/en-us/azure/architecture/cloud-adoption/ready/azure-readiness-guide/?branch=CAF%2Fmigrate-v1>

# CAF Ready: Landing Zones (Coming Soon)

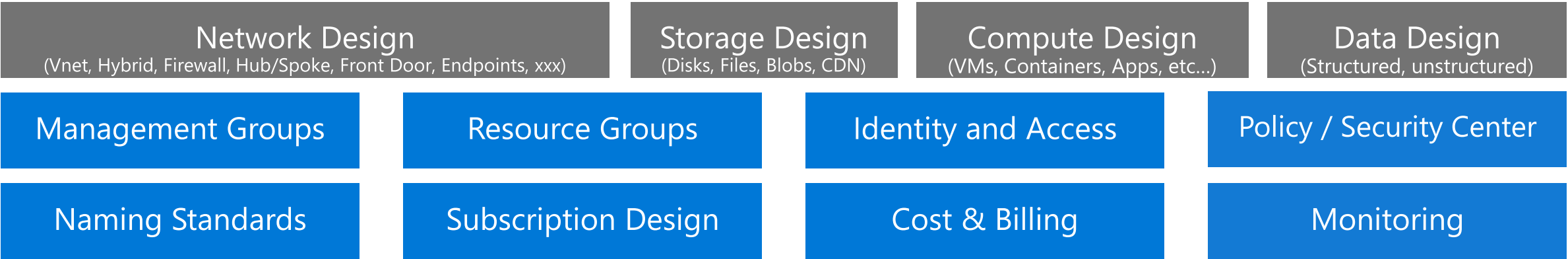
Migration Landing Zone (Blueprint 1: CAF Migrate Landing Zone)



Next: Out of scope for this release



Generic Landing Zone

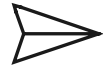


# Azure Readiness Guide (Use the native tools to migrate your first workload)



## Assess

Azure Migrate  
Data Migration Assistant  
SQL Server Migration Assistant



## Migrate

Site Recovery  
Database Migration Service  
Data Box



## Optimize

Cost Management



## Secure & Manage

Security & Management

Azure Migration Guide: <http://aka.ms/caf/migrate>

# Planning for the first workload

**Objective:** Migration of the first workload is a highly suggested learning experience, which should come early in any migration effort. The goal is to deploy one or more production ready workloads. However, this is done to provide the team with the ability to learn the tools and the Azure platform. That learning will help make the right long-term decisions, even if those workloads don't ever get promoted to production traffic.

## Domain Alignment:

Choose a workload that represents the domain focus that will be used throughout the migration plan.



Workloads



Applications



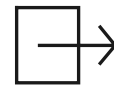
VMs

## Select a Toolchain:

Choose one or two migration tools to use for this first migration



Azure Site  
Recovery



App Service  
Migration Tool

Data Migration  
Service

## Workload Selection:

The following checklist can aid in selection of a first workload

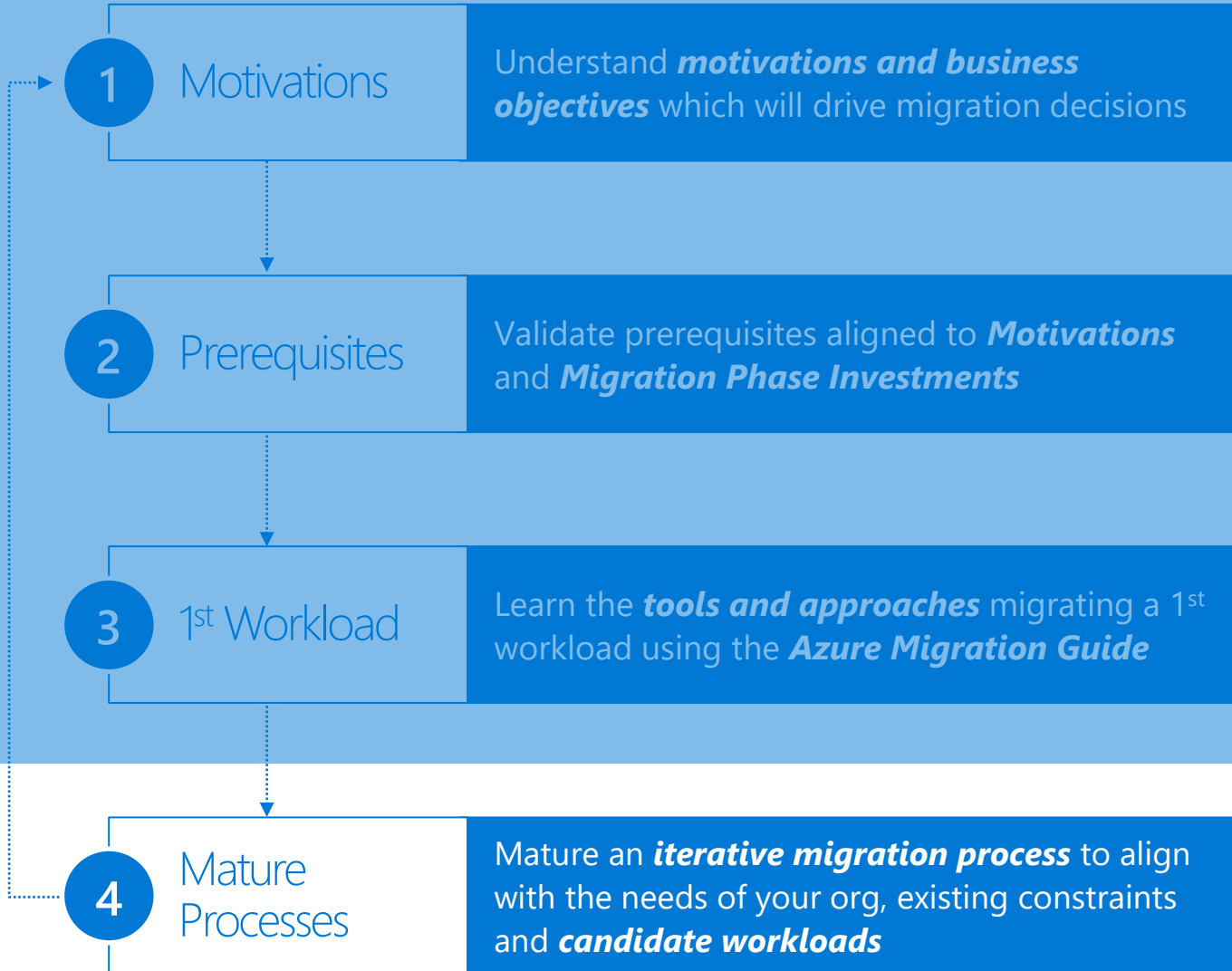
1. Low impact to end users & business processes
2. Performance of the workload is established and can be tested
3. Performance impacts during this experiment won't negatively impact critical processes
4. Application Owner is supportive of the cloud migration objectives
5. Subject Matter Experts for the workload should be aware or even involved in the migration
6. Operations staff for the workload should be aware or even involved in the migration
7. IT experts from networking, identity, security, governance, and compliance should be aware or even involved in the migration
8. The migration landing zone should be validated prior to migration
9. Well maintained (Current on patches & updates)
10. Limited infrastructure complexity (Small number of assets)
11. Limited dependencies (All dependencies should be moved in the first workload migration)
12. Limited exposure (No mission critical applications or sensitive data)



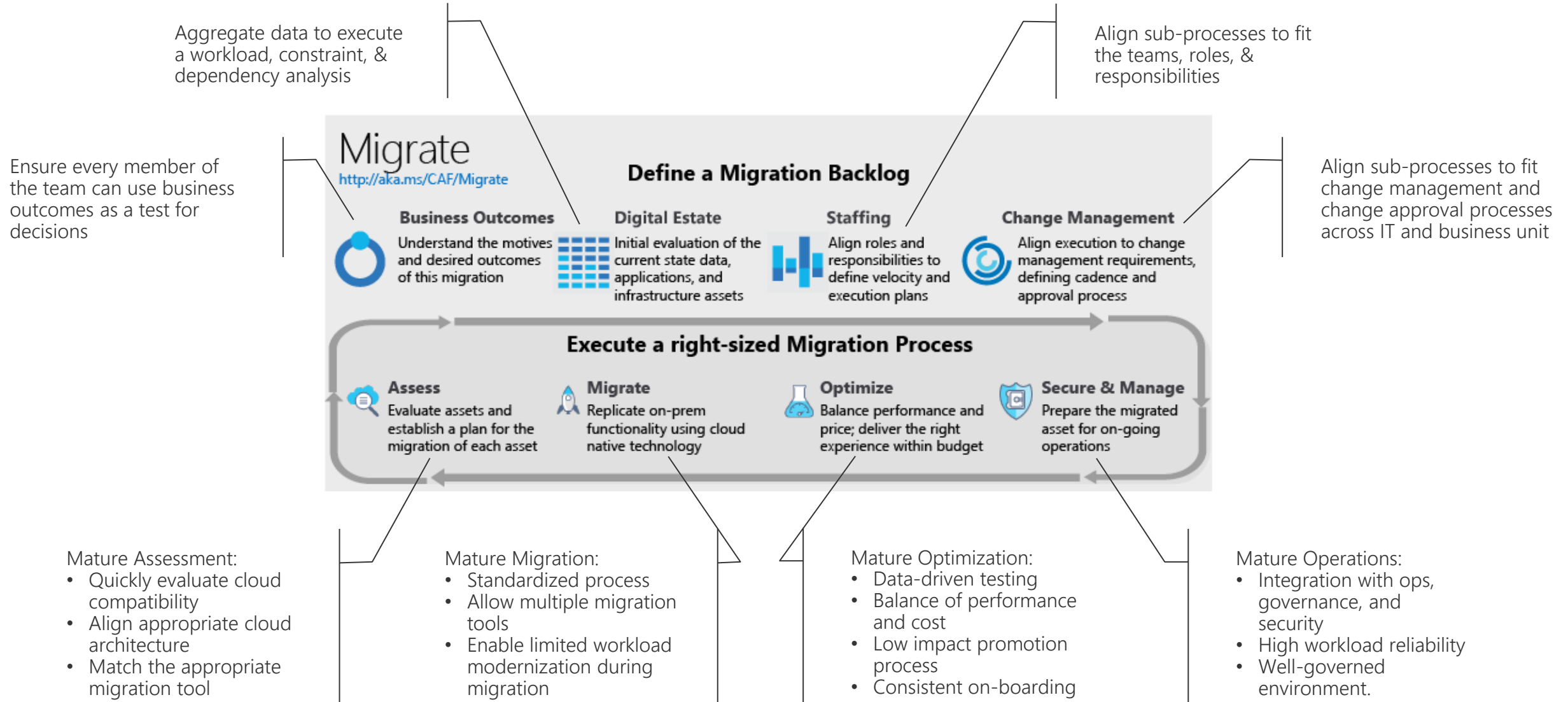
# Iteratively mature migration processes

Mold the baseline guidance to fit your business objectives, organizational structure, existing constraints, and individual workloads.

# How Do I Get Started?



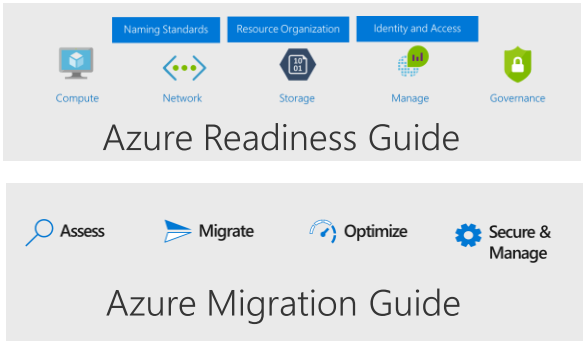
# Mature migration processes (End state & actions)



# Maturing Migrating Processes

Key maturity motions

## First Workload (Migrate MVP)



**Target: ~50 assets**  
(Infra, Apps, & Data)

Business →

Migration backlog review, release, & realignment processes

People →

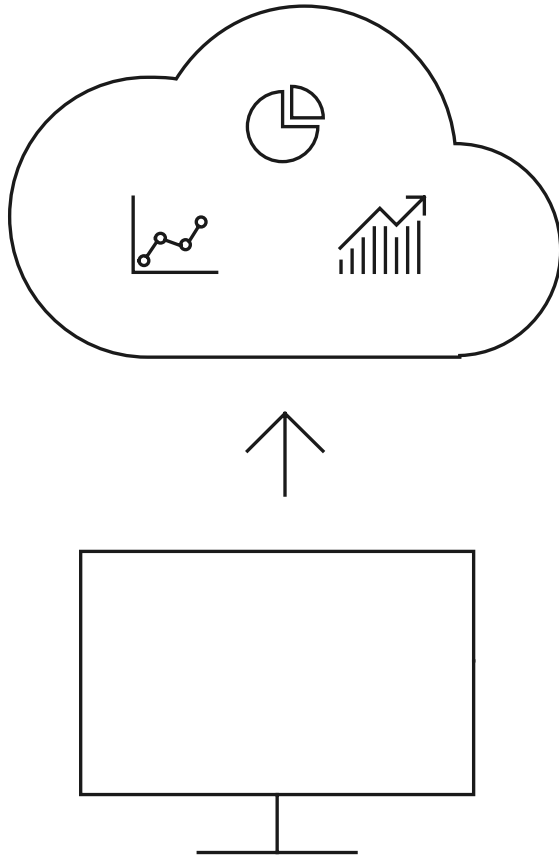
Evolve and align Definition of Done to match org structure  
Culture of learning; continuously expand skills

Technology →

Increase assessment decisions accuracy w/ better data  
Expand workload architecture options w/ broaden tooling  
Improve optimization w/ testing & monitoring options  
Expand initial architectures for reliability and resiliency

# Improve assessment accuracy

Increase assessment decisions accuracy w/ better data



With each release leverage Azure Migrate to improve workload definitions by grouping relevant servers

Improve assessment decision accuracy by aligning the business value of workloads with key technical decisions regarding **compatibility**, **performance**, **dependency**, and **costs**

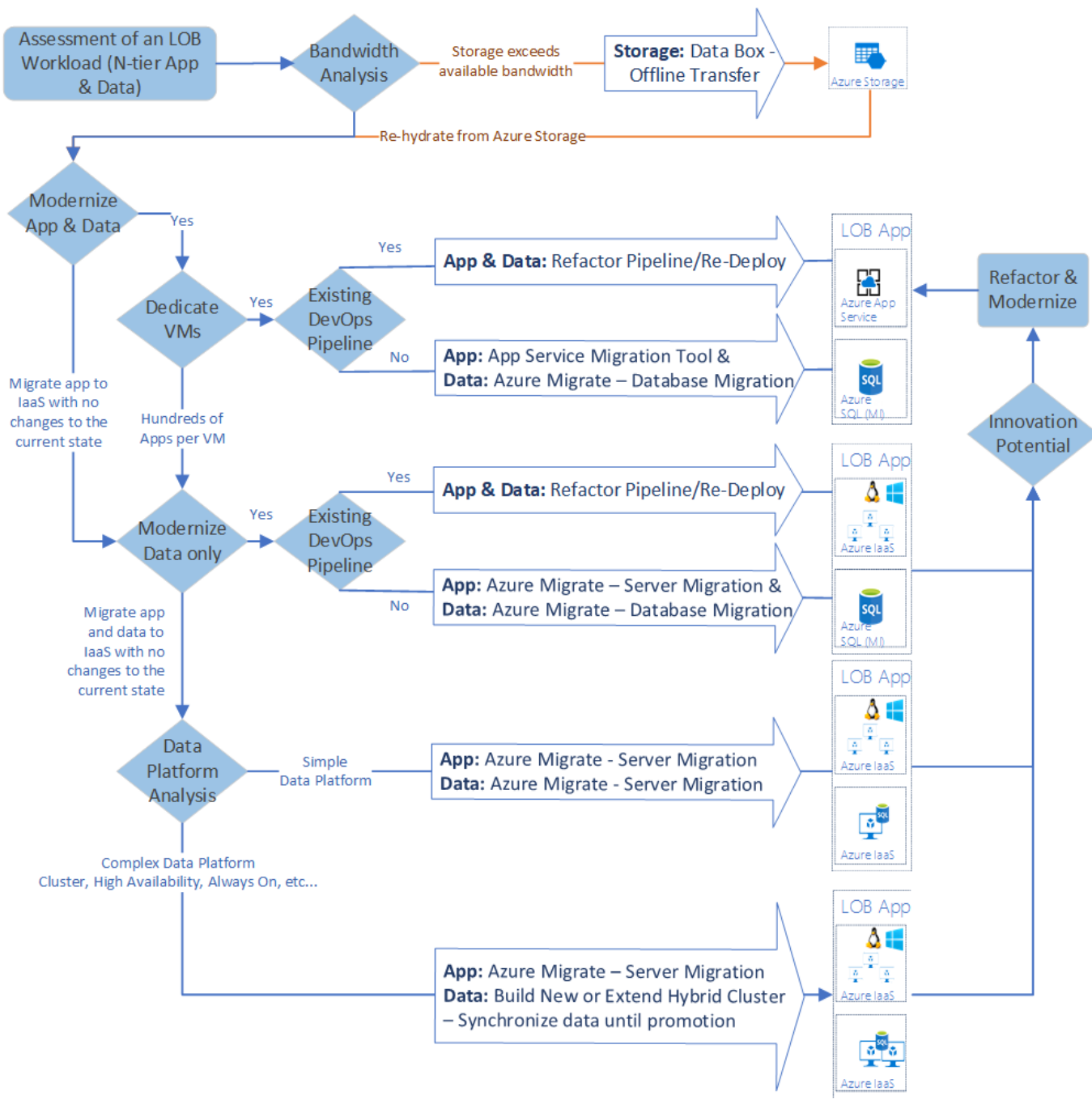
Expand workload architecture options w/ broaden tooling

# Migration tooling Options

Migration is more than a shift & lift rehost to IaaS using tools like Azure Site Recovery.

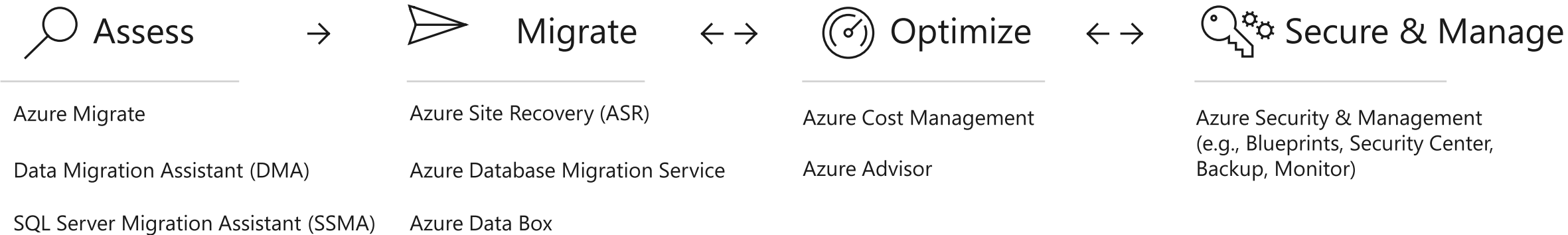
Modernize some assets during migration with PaaS focused solutions like Database Migration Service

Over time, refactor and modernize any workloads that represent innovation potential



# Migration tooling options

Expand workload architecture options w/ broaden tooling



## ISV solutions (as needed)



# Continuously optimize resources during and after migration

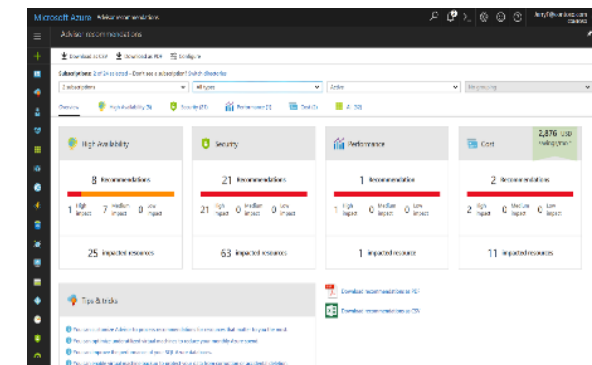
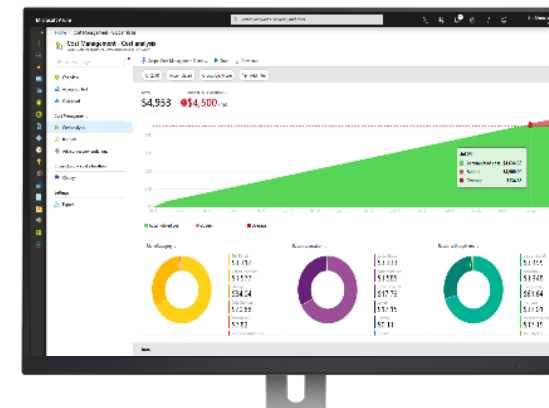
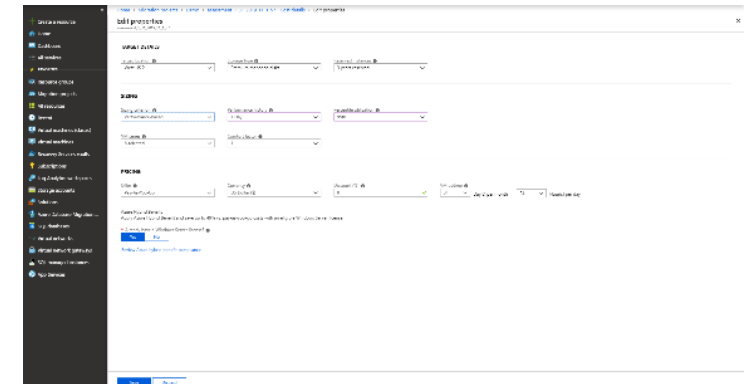
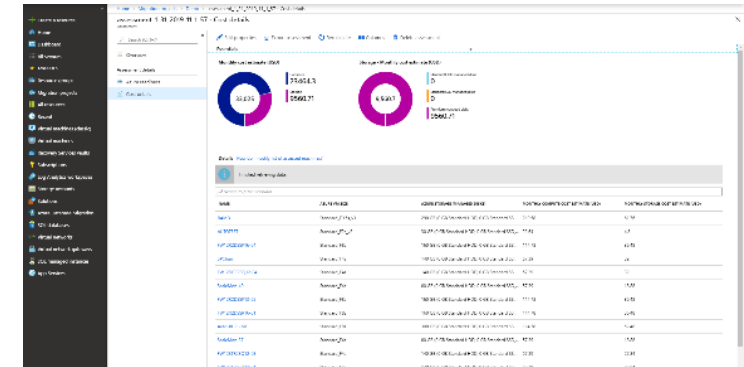
## As you move

- Right-size Azure resources based on assessment guidance
- Use Azure Hybrid Benefit and Azure Reserved Instances to save money

## After you move

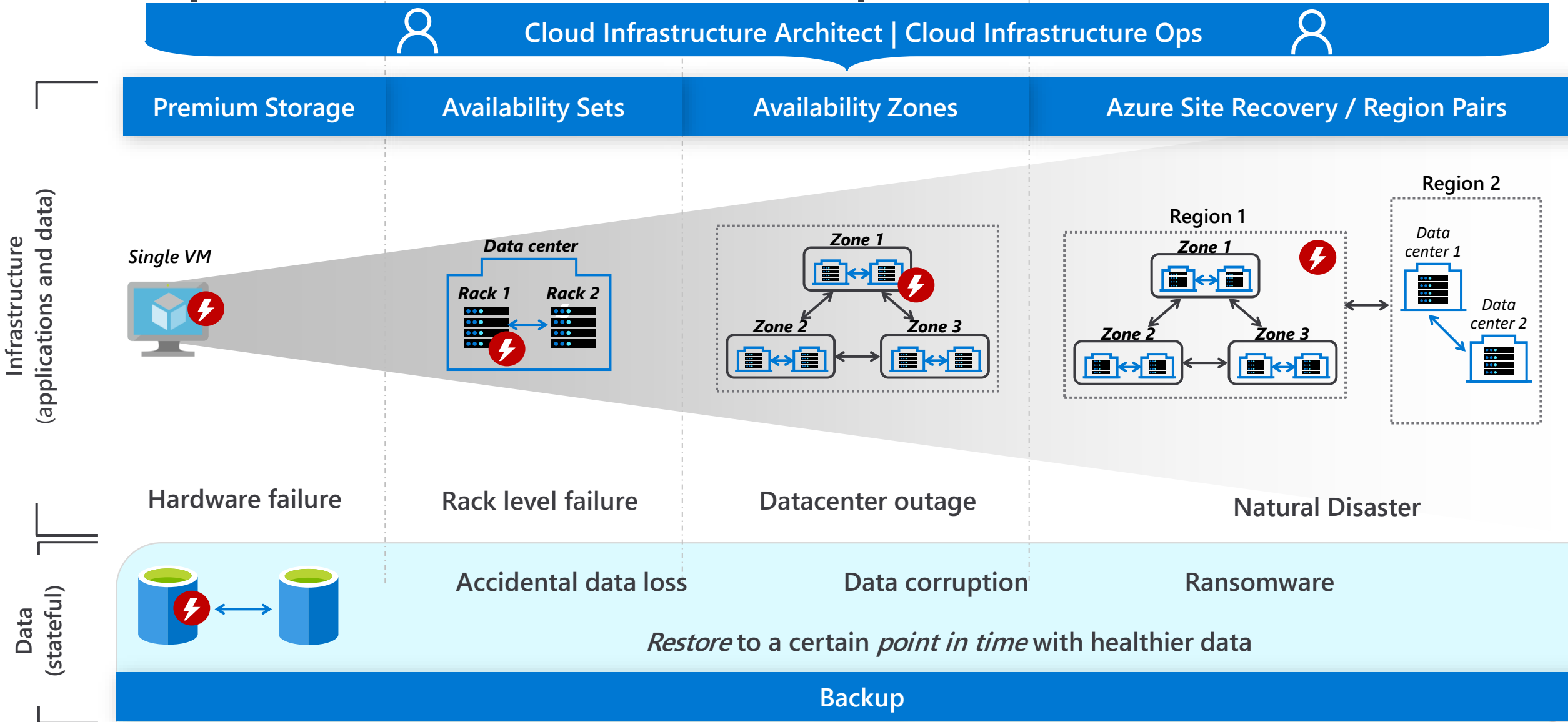
- Unified experience to optimize cloud spends: Azure Cost Management
- Azure Advisor: Built-in best practice recommendations (e.g., turn off idle VMs)
- Balance optimization and performance decisions with Azure Monitor

## Modernize for longer term value





# Example of resilient architecture options





Thank You