



# Microsoft Inspire





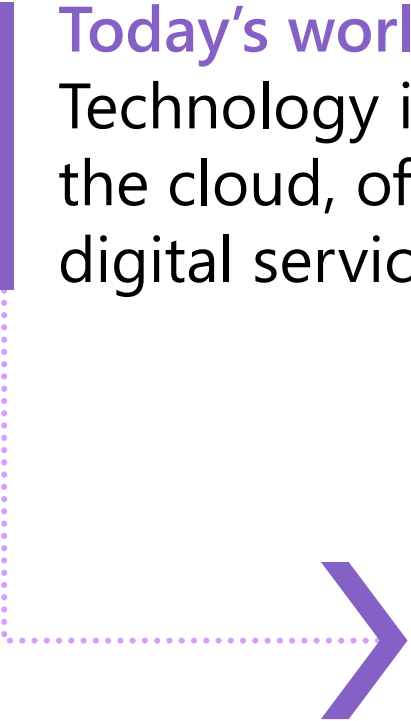
# Cloud Adoption Expert: Den Erfolg von Cloud-Migrationen sicherstellen

Niels Ophey

Cloud Solution Architect, GPS

# Modern business in the cloud is the **new normal**

Today's world reflects a new reality: Technology is ever-present through the cloud, offering easy access to digital services...



Capitalizing on this shift is key for the organization's innovation and growth



# FY22 Priorities and Sales Plays

## *Migrate existing apps to Azure and optimize*

Migrate Windows & SQL Server  
Migrate Linux & OSS DBs  
Migrate SAP on Azure

Modernize VDI to Azure Virtual Desktop  
Win Hybrid with Arc and Stack HCI  
Migrate to Azure VMware Solution

## *Innovate with new apps and modernize existing apps*

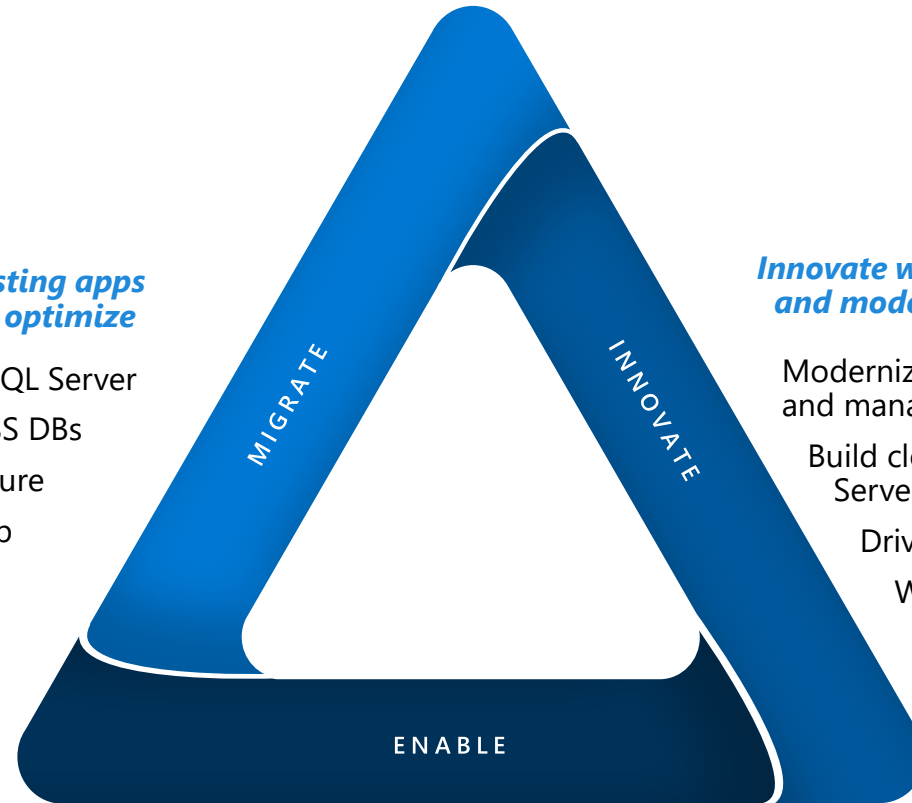
Modernize .NET & Java apps with PaaS, low-code and managed databases

Build cloud native apps with Kubernetes, Serverless and managed databases

Drive DevOps adoption with GitHub and Visual Studio

Win with Analytics

Innovate with AI



## *Enable customers for successful cloud use*

Cloud Adoption Framework | Well-Architected | Skills building  
Developer engagement

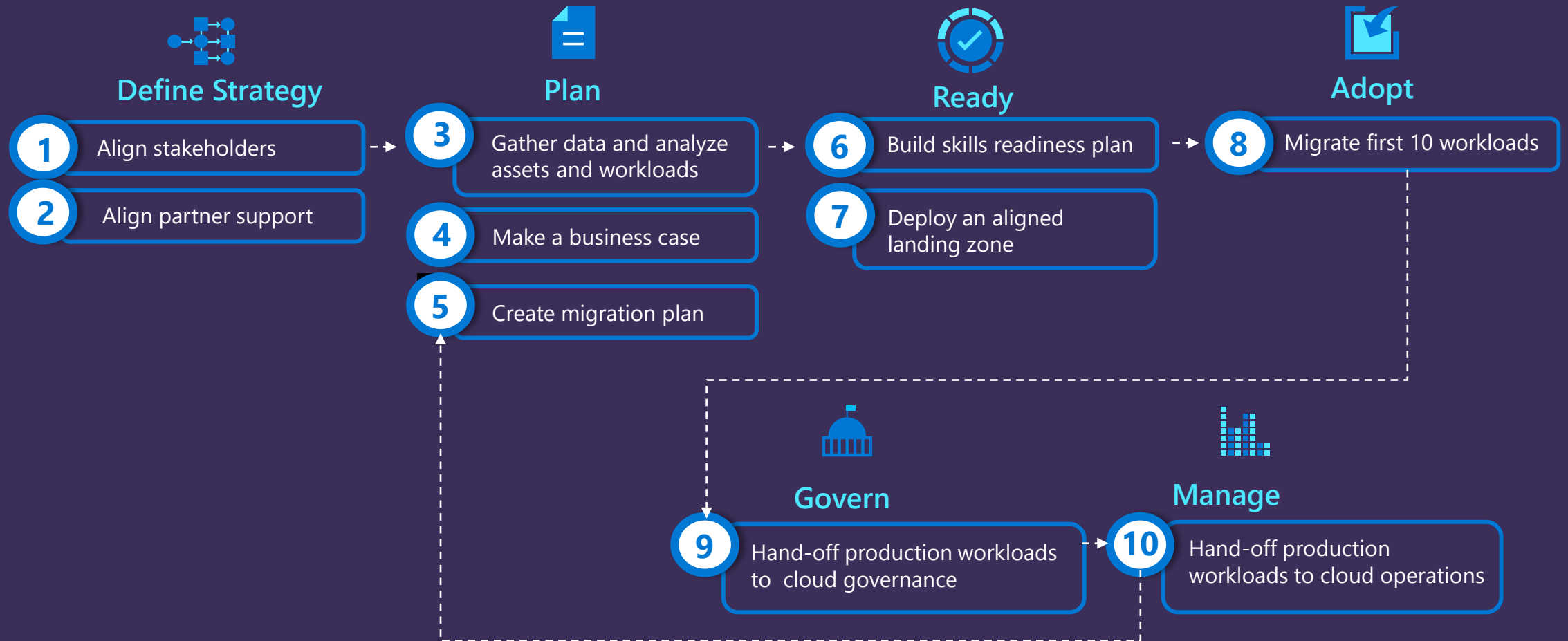


## *Specialized Areas*

**Applications:** IoT, Mixed Reality, Gaming

**Infrastructure:** HPC, Advanced Networking

# Migrate – bring existing workloads into the cloud



[aka.ms/adopt/getstarted-migrate](https://aka.ms/adopt/getstarted-migrate)

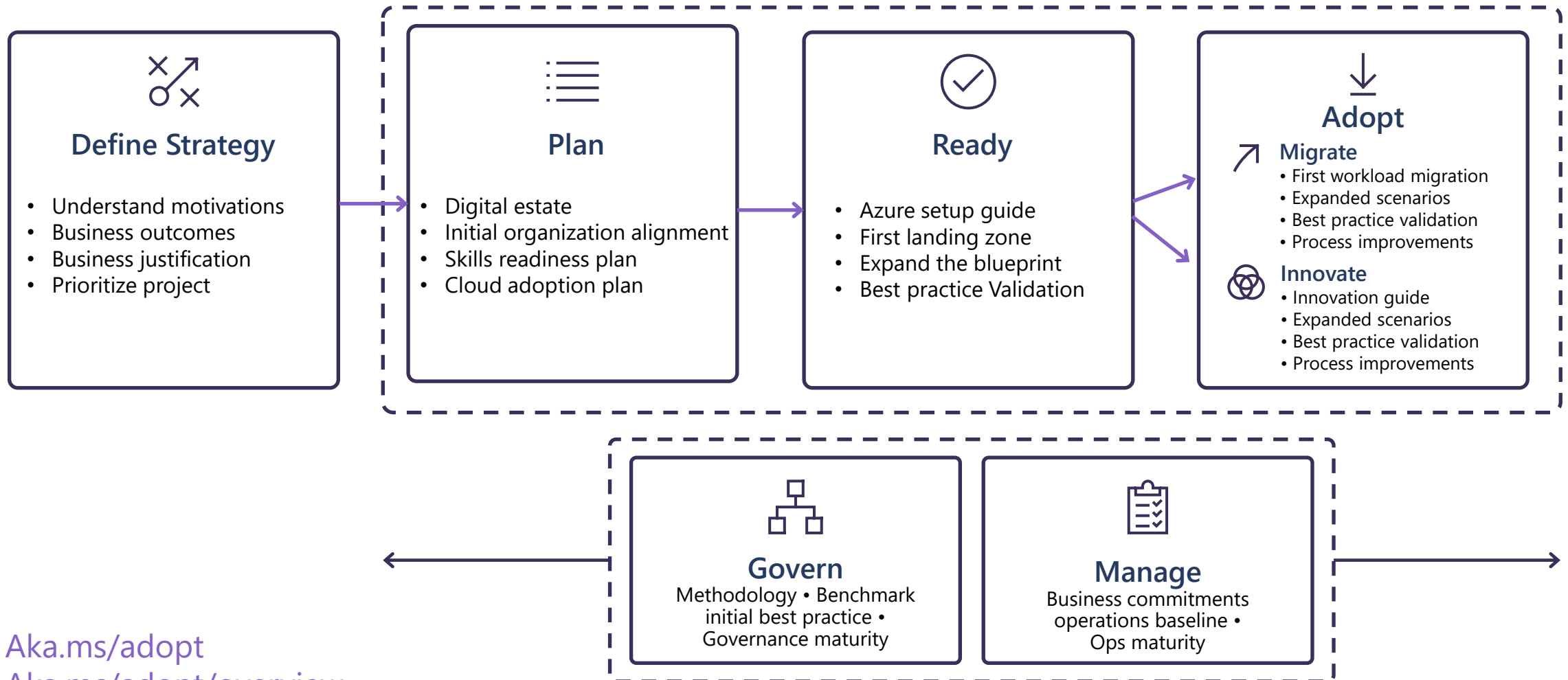
# Innovate - Build new products and services in the cloud



[aka.ms/adopt/getstarted-buildnew](https://aka.ms/adopt/getstarted-buildnew)

# Microsoft Cloud Adoption Framework for Azure

Modular approach, meeting the customer in their journey



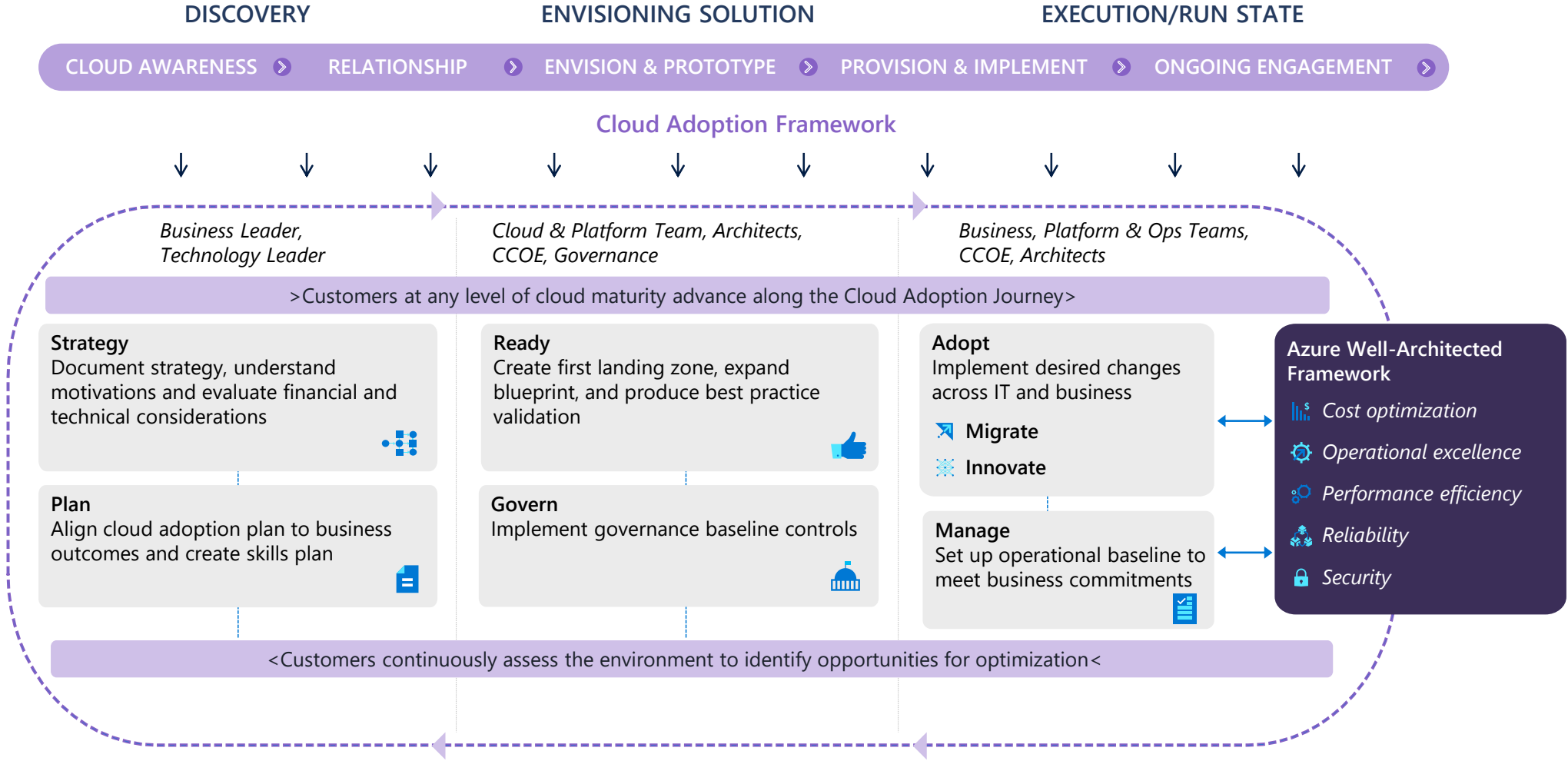
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The opportunity

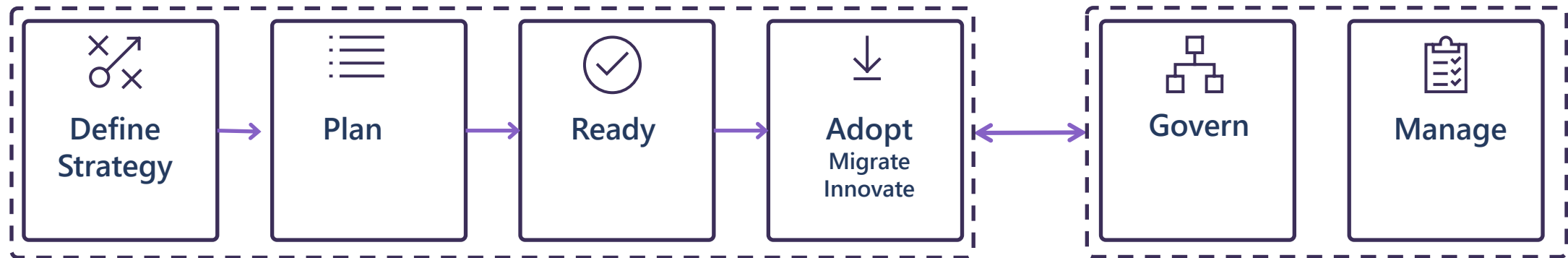


# Guiding the customer cloud journey



# Partners bring scale and consistency to their cloud approach

## How Partners can use the Cloud Adoption Framework



Apply the overall framework to understand customer motivation, justify business outcomes

Align tools and telemetry to gather the right intelligence for your architects to develop

- cloud rationalization plan
- skilling and org alignment plan

Develop standardized designs, blueprints, templates in line with your organizational capacity and typical customer needs.

Execute through a proven migration or modernization methodologies with built in best practices

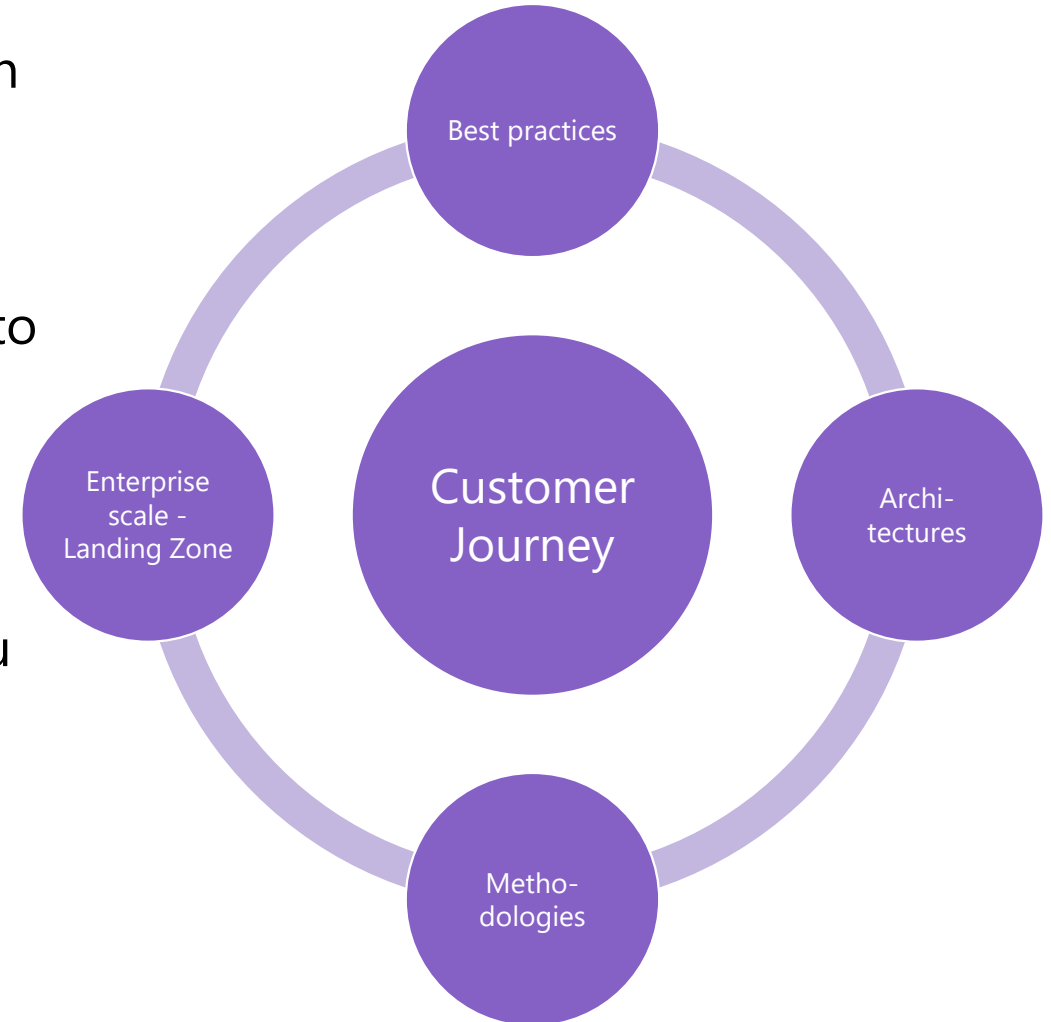
Employ governance frameworks for consistent controls across governance disciplines (cost management, security, identity etc)

Develop management offer(s) that identify business critical workloads to track, support and provide managed services (inventory, compliance, recovery)

# Why become a CAF Expert?

The Microsoft Cloud Adoption (CAF) Framework is an **iterative approach** to support the **digital transformation journey** of an organization. It gives a collection of **best practices**, **architectures** and **methodologies** to ensure the **integration** of **cloud** into this journey .

Having **CAF Experts** in your organization enables you as a partner to become a **trusted advisor** for your customers on their journey to cloud. **Continuously generate** more **business** with your **customers** along the **iterative journey** of the digital transformation!



## Learning Path\*

# Cloud Adoption Framework - Experts

### Introduction Call

#### Module 1 CAF BASIC

Microsoft Cloud Adoption Framework (CAF) **Intro**

- 1h [Online self paced Training](#)
- Basic understanding of CAF

CAF Hackathon **Basic**

- 2x 0,5 Days Hackathon (virtual or in person)

#### Module 2 CAF Migration

Microsoft Cloud Adoption Framework (CAF) **Migrate**

- 1h [Online self paced Training](#)
- Applications and infrastructure migration and modernization

CAF Hackathon **Migration**

- 1,5 Days Hackathon (virtual or in person)

#### Module 3 CAF Advanced

Microsoft Cloud Adoption Framework (CAF) **Landing Zone & Govern**

- 2 Module **Online Training**
- [Modul 1](#)  
Governance Methodology
  - [Modul 2](#)  
Enterprise Scale

CAF Hackathon **Advanced**

- 1,5 Days Hackathon (virtual or in person)

#### ESLZ IaC Hackathon (optional "Add-on" Module )

Enterprise Scale – Infrastructure as Code College

Min. 3 Days **Hackathon + additional Modules**

1 Day **Training – Construction Sets**

CAF Expert Level

\* Go the whole path or exit the path wherever you want...

# Hackathon

## CAF Basic

### Target roles:

- Techn. Sales
- Consultants
- Architects

### Hackathon Description

This CAF Hackathon enables attendees to understand and get familiar on how the [Microsoft Cloud Adoption Framework for Azure \(CAF\)](#) can be applied with their customers. This hackathon walks through the Define Strategy and Plan phases of the CAF to support attendees in leading a client engagement that is considering moving their digital assets to Azure.

By the end of the [CAF Hackathon](#), attendees will have built a cloud adoption plan that they can use to [present](#) to a [customer's C-Suite](#) to justify adopting the cloud. The purpose of this exercise is to provide you with the tools and understanding that will complement the conversations attendees may be having with their customers.

### Hackathon Agenda

#### Day 1 (5h)

- [Introduction](#)
- [Challenge 1 – 3](#)  
Strategy, Govern, Plan

#### Day 2 (3h)

- [Challenge 4](#)  
Prepare Presentation
- [Presentation](#)

#### Azure Services and related products

- Cloud Adoption Framework
- Azure Migrate

#### Prerequisites

- Azure Knowledge (compared to AZ-900)
- Azure Subscription with owner rights

### Challenge 1 - Strategy

- Document motivations and benefits for moving to the cloud.
- Establish clear business outcomes, by key stakeholders or decision-makers, that align with your motivations.
- Define your business case by capturing a business justification through a financial model to project business impact.

### Challenge 2 - Governance

- High-level governance structure
- Skills readiness path; capabilities required for managing their cloud environment
- Cloud adoption team verified (RACI)

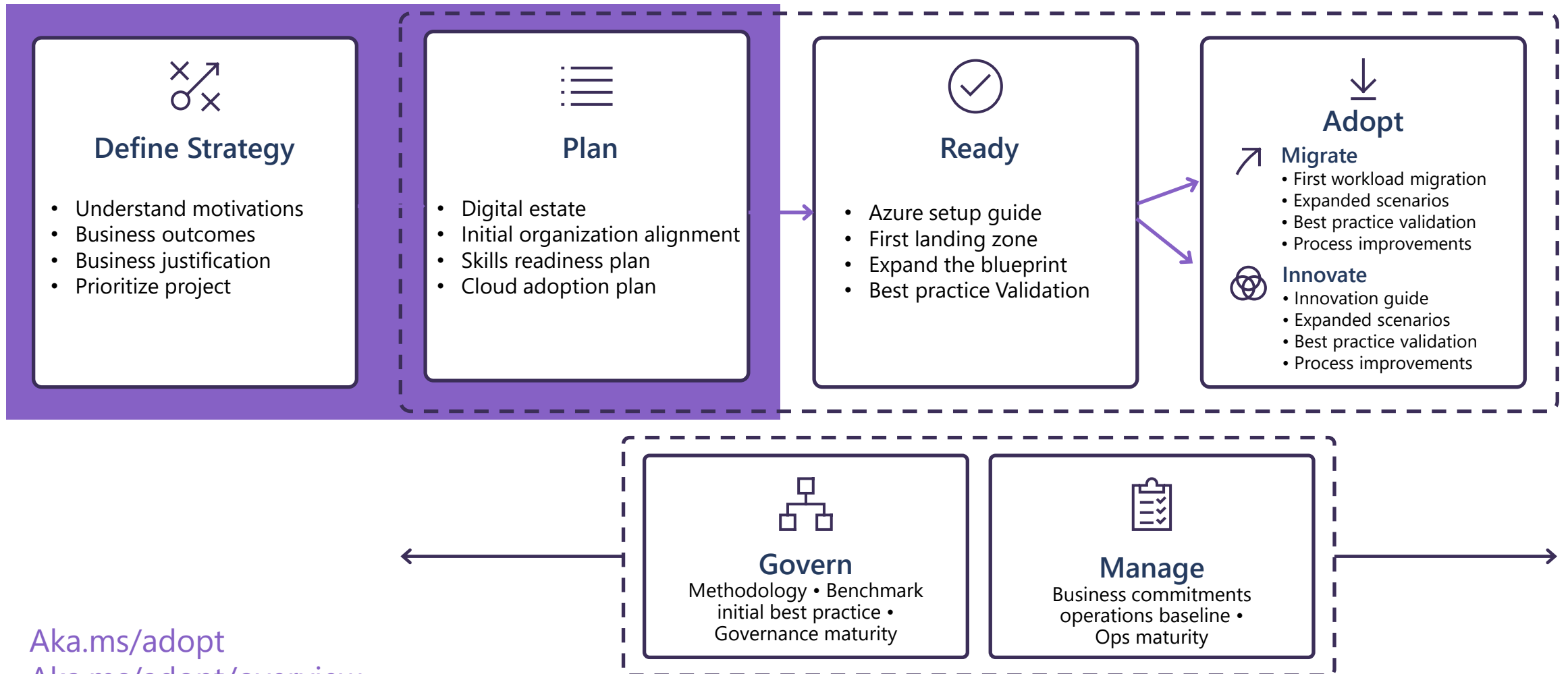
### Challenge 3 - Building the Plan

- Take inventory of your digital estate
- Understanding cloud costs

### Challenge 4 - Presenting the plan to the customer

# Microsoft Cloud Adoption Framework for Azure

Modular approach, meeting the customer in their journey



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[Aka.ms/adopt/overview](https://aka.ms/adopt/overview)

# Hackathon

# CAF Migrate

## Target roles:

- Consultants
- Architects

## Hackathon Description

In this workshop, you will learn how to **design a migration strategy** for on-premises environments to Azure, including the migration of virtual and physical services as well as databases.

At the end of this workshop, you will be better able to rationalize the **migration of various workloads to Microsoft Azure** as well as understanding how to determine the cost of hosting migrated workloads in Azure.

### Hackathon Agenda

#### Day 1 (6h)

- **CAF Migrate**  
Methodology, Tools
- **Whiteboard Design Session**

#### Day 2 (6h)

- **HOL**
- Discovery and Assessment
- Migrate Application Database
- Migrate Application

#### Azure Services and related products

- Azure Migrate
- Azure Site Recovery
- Azure Database Migration Service
- Microsoft Data Migration Assistant

#### Prerequisites

- Azure Knowledge (compared to AZ-104)
- Azure Subscription with owner rights
- CAF Basic

### Part 1 – Whiteboard Design Session (WDS)

In this whiteboard design session, you will look at how to design an Azure migration for a heterogenous customer environment. The existing infrastructure comprises both Windows and Linux servers running on both VMware and physical machines and includes some legacy servers. Throughout the whiteboard design session, you will look at the various options and services available to migrate heterogenous environments to Azure.

At the end of this workshop, you will be better able to design and implement the discovery and assessment of environments to evaluate their readiness for migrating to Azure using services including Azure Migrate and Azure Database Migration Service.

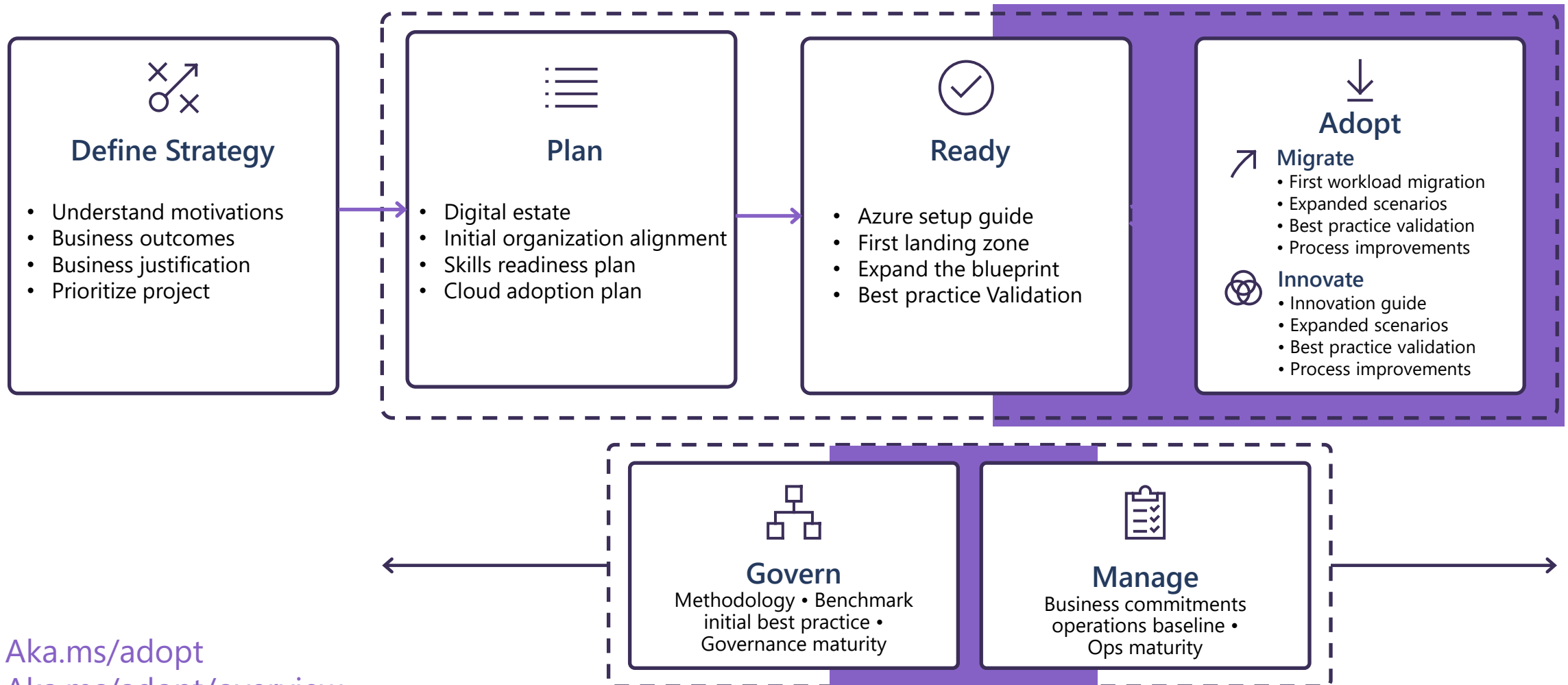
### Part 2 – Hands-on Lab (HOL)

In this hands-on lab, you will learn how to assess and migrate a multi-tier application from Hyper-V to Azure. You will learn how to use Azure Migrate as the hub for executing a migration, together with accompanying tools.

After this hands-on lab, you will know the role of Azure Migrate and related migration tools and how to use them to successfully migrate an on-premises multi-tier application to Azure.

# Microsoft Cloud Adoption Framework for Azure

Modular approach, meeting the customer in their journey



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[Aka.ms/adopt/overview](https://aka.ms/adopt/overview)



# Hackathon

# CAF Advanced

## Target roles:

- Consultants
- Architects

## Hackathon Description

In this workshop, you will learn how to **design an enterprise scale Landing Zone** in Azure. You get familiar with the design principles and the critical design areas.

At the end of this workshop, you will be able to leverage the existing enterprise scale architectures, able to build your own as well as understanding how to establish a policy driven governance.

### Hackathon Agenda

#### Day 1 (6h)

- **Enterprise Scale Intro**  
design principals  
Critical design areas

#### Day 2 (6h)

- **Enterprise Scale**  
first deployment
- **HOL**  
individual deployment

#### Azure Services and related products

- Cloud Adoption Framework
- Policy
- ARM Deployment
- Enterprise Scale

#### Prerequisites

- Azure Knowledge (compared to AZ-104)
- Azure Subscription with owner rights
- CAF Migrate

### Day 1 – Get started

In the first day of this hackathon, we will learn everything regarding enterprise scale. What are the design principles, which critical design areas exist and what are the best practices to implement these design areas.

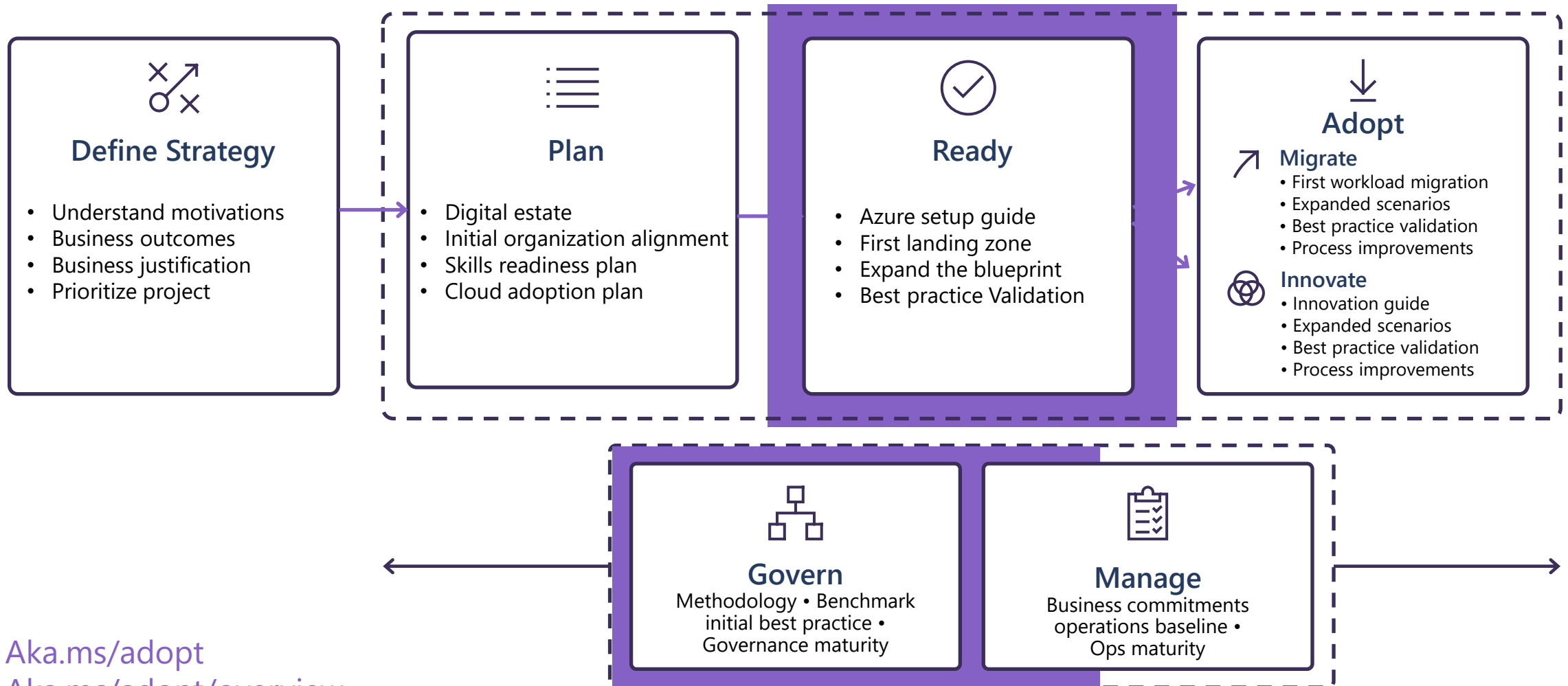
- Enterprise Agreement (EA) enrollment and Azure Active Directory tenants
- Identity and access management
- Management group and subscription organization
- Network topology and connectivity
- Management and monitoring
- Business continuity and disaster recovery
- Security, governance, and compliance
- Platform automation and DevOps

### Day 2 – Hands-on Lab (HOL)

On the second day we deploy an enterprise scale landing zone and start to get familiar with the components of enterprise scale. We learn how a potential workflow can look like – deploying a landing zone in an enterprise.

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Modular approach, meeting the customer in their journey



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# Hackathon

# ESLZ IaC Hackathon

## Target roles:

- Consultants
- Architects

## College Description

In this Hackathon, you will learn how to **deploy an enterprise scale Landing Zone** in Azure. We are looking at Infrastructure as Code possibilities to deploy your platform landing zone and how to prepare your application landing zones.

At the end of this Hackathon, you will be able to deploy your enterprise scale landing zone using a CI/CD pipeline. And implement the base for an application landing zone.

### Azure Services and related products

- Cloud Adoption Framework
- Policy
- ARM Deployment
- Enterprise Scale

### Prerequisites

- Azure Knowledge (compared to AZ-104)
- Azure Subscription with owner rights
- CAF Advanced

### Additional Modules:

**Well Architected Framework**  
Go deeper in the WAF and develop better architectures

**Governance and Management**

**Security**

**Construction Sets in ESLZ**

## Day 1 – Get started

- Challenge 1: Deploy ES Foundation "WingTips" using the ARM Deploy
- Challenge 2: Install the tooling / Pipeline
- Challenge 3: Deploy your ESLZ using the tooling
- Deploy First Workload

## Day 2 – Application Landing Zone

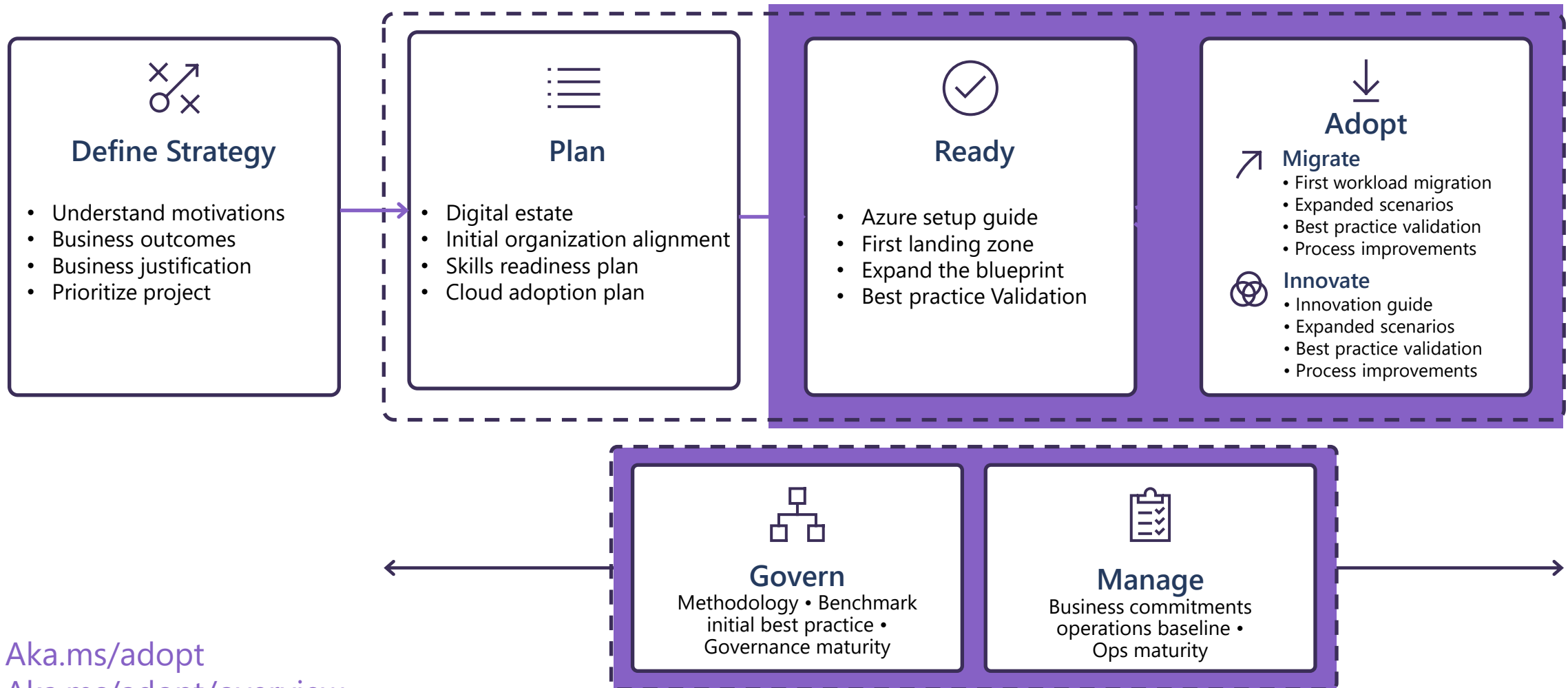
- Challenge 4: Analyse the first Workload
- Challenge 5: Implement the first operation by leveraging Azure Policies
- Challenge 6: Let's do it the first time without portal
- Introduction to Infrastructure as Code "IaC"

## Day 3 – Go deeper IaC

- Learn more around different IaC approaches
  - ARM Templates
  - Terraform
  - Azure Biceps
- Challenge 7: Build your Application Landing Zone

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## 1st Round Dates...

# Cloud Adoption Framework - Experts

You want to start your journey..

### Hackathon Preparation:

#### Online Training

- Each Hackathon has an online training module upfront (reserve around 1h)

#### Azure Subscription

- Each attendee needs an Azure Subscription and an Azure Tenant for the **CAF Migration** and **Advanced** Hackathon

### CAF BASIC

14./15.09.21 jeweils 09:30 Uhr - 15:00 Uhr

15./16.11.21 jeweils 09:30 Uhr - 15:00 Uhr

### CAF Migration

23./24.09.21 jeweils 09:30 Uhr - 16:00 Uhr

23./24.11.21 jeweils 09:30 Uhr - 16:00 Uhr

### CAF Advanced

28./29.09.21 jeweils 09:30 Uhr - 16:00 Uhr

29./30.11.21 jeweils 09:30 Uhr - 16:00 Uhr

### ESLZ IaC College, additional Modules

**Tbd.** after the **CAF Advanced** Hackathon

Register in our forms...



<https://aka.ms/voranmeldung>

<https://aka.ms/CAExpert>

