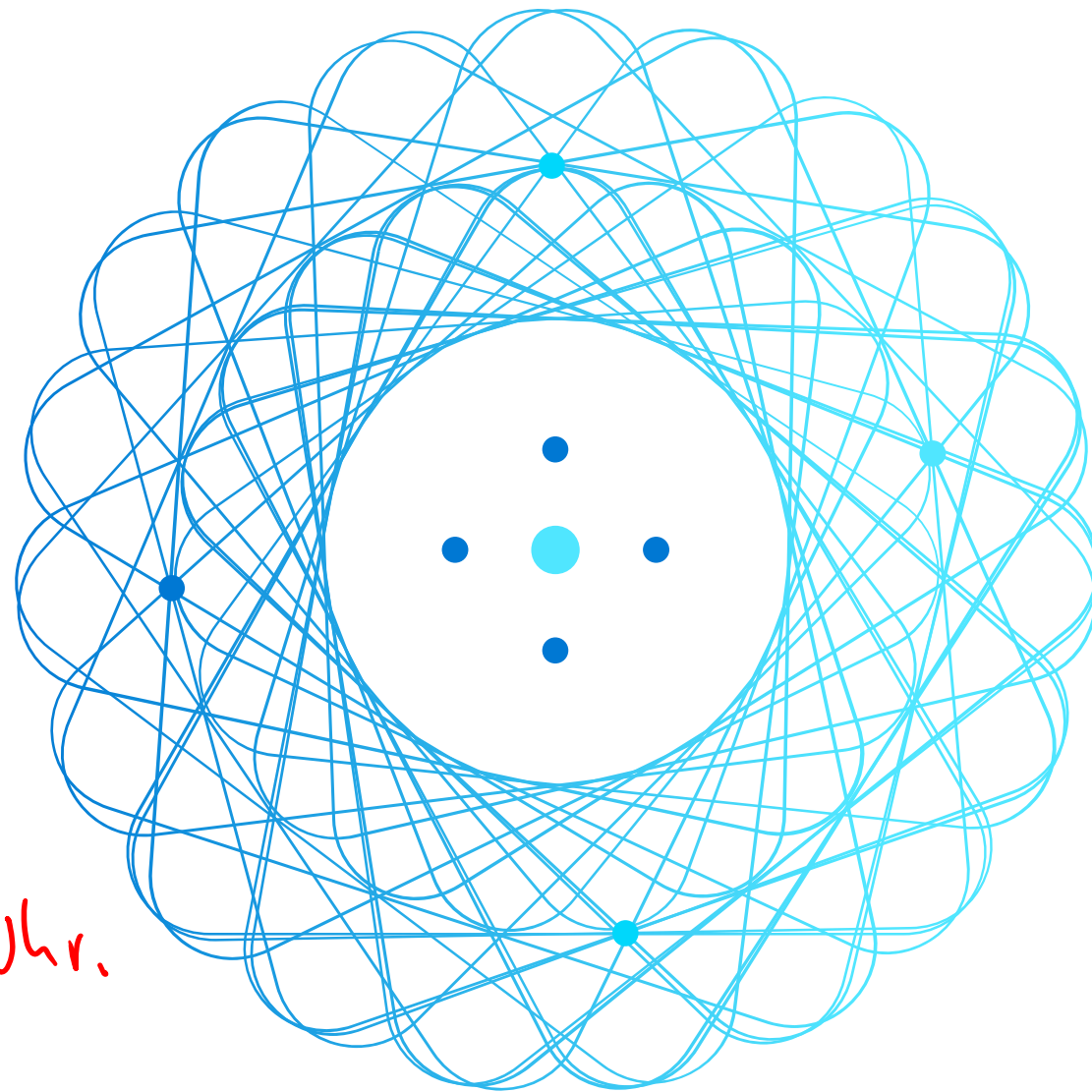


Herzlich willkommen!

AZ-305

Designing Microsoft Azure Infrastructure Solutions

Seminar startet um 9⁰⁰ Uhr.



Thomas Jäkel

brainymotion

Lead Trainer Cloud Infrastructure

Microsoft Certified Trainer since 1999

github.com/www42/305

Physik
NT 4.0
Dev Ops
Fortran

Az-305



Azure Solution Architects

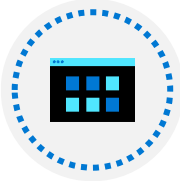
Azure Solution Architects have subject matter expertise in designing cloud and hybrid solutions that include compute, networking, storage, application services, data solutions, monitoring and security.



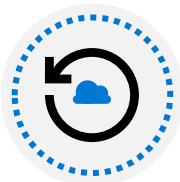
Working knowledge of networking technologies including connectivity services, application delivery services, and network architectures.



Working knowledge of compute technologies including virtual machines, containers, and PaaS compute solutions.



Working knowledge of storage technologies including relational and non-relational data solutions.



Experience architecting solutions including security, migration, and business continuity.

AZ-305 Agenda

Module 01 Design a governance solution

RBAC Policies
VM App Service Container

Module 02 Design a compute solution

Module 03 Design a non-relational data storage solution

Module 04 Design a data storage solution for relational data

Module 05 Design a data integration solution

Big Data ETL

Module 06 Design an application architecture solution

Module 07 Design Authentication and Authorization Solutions

Azure AD

Module 08 Design a solution to log and monitor Azure resources

LA KQL

Module 09 Design a network infrastructure solution

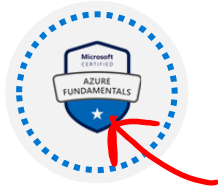
Module 10 Design a business continuity solution

ASR

Module 11 Design a migration solution

Microsoft Certifications

Certifications give you a professional edge by providing globally recognized industry endorsed evidence of skills mastery, demonstrating your abilities and willingness to embrace new technologies



Exam AZ-900: Microsoft Azure Fundamentals

Designed for candidates looking to demonstrate foundational level knowledge of cloud services and how those services are provided



Microsoft Certified: Azure Administrator Associate

Designed for Azure Administrators who implement, monitor, and maintain compute, storage, network, and security



Microsoft Certified: Azure Solutions Architect Expert

Designed for Azure Solutions Architects who create solutions for compute, network, storage, and security

AZ-305 ✓

AZ-305 certification areas

Study Areas	Weights
Design identity, governance, and monitoring solutions	25-30%
Design data storage solutions	25-30%
Design business continuity solutions	10-15%
Design infrastructure solutions	25-30%

Percentages indicate the relative weight of each area on the exam

The higher the percentage, the more questions you are likely to see in that area

Hello! Student Introductions

Your name

Company affiliation

Title/function

Microsoft Azure experience

Your expectations for the course





HELLO


Student materials on Skillpipe





1.7.2023


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AZ-305T00-A - Designing Microsoft Azure Infrastructure Solutions

 Table of Contents

Module 0 Welcome

Module 1 Design governance and compute solutions

Module 2 Design storage and data integration solutions

Module 3 Design app architecture, access, and monitoring solutions

Module 4 Design network, continuity, and migration solutions

Student materials on Learn

Learning Paths

- Design identity, governance, and monitoring solutions
- Design data storage solutions
- Design business continuity solutions
- Design infrastructure solutions



<https://aka.ms/AZ-305StudentMaterials>

Course AZ-305T00: Designing Microsoft Azure Infrastructure Solutions

Collection • Edited on 1/14/2022 • Created by Microsoft

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This course teaches Azure Solution Architects how to design infrastructure solutions. Course topics cover governance, compute, application architecture, storage, data integration, authentication, networks, business continuity, and migrations. The course combines lecture with case studies to demonstrate basic architect design principles.

Items in this collection

Design governance and compute solutions

In this module you will learn about governance and compute solutions.

MODULE

Design governance

33 min

★★★★★ 4.9 (162)

MODULE

Design a compute solution

33 min

★★★★★ 4.8 (33)

Case studies

Contoso.com
adatum.com

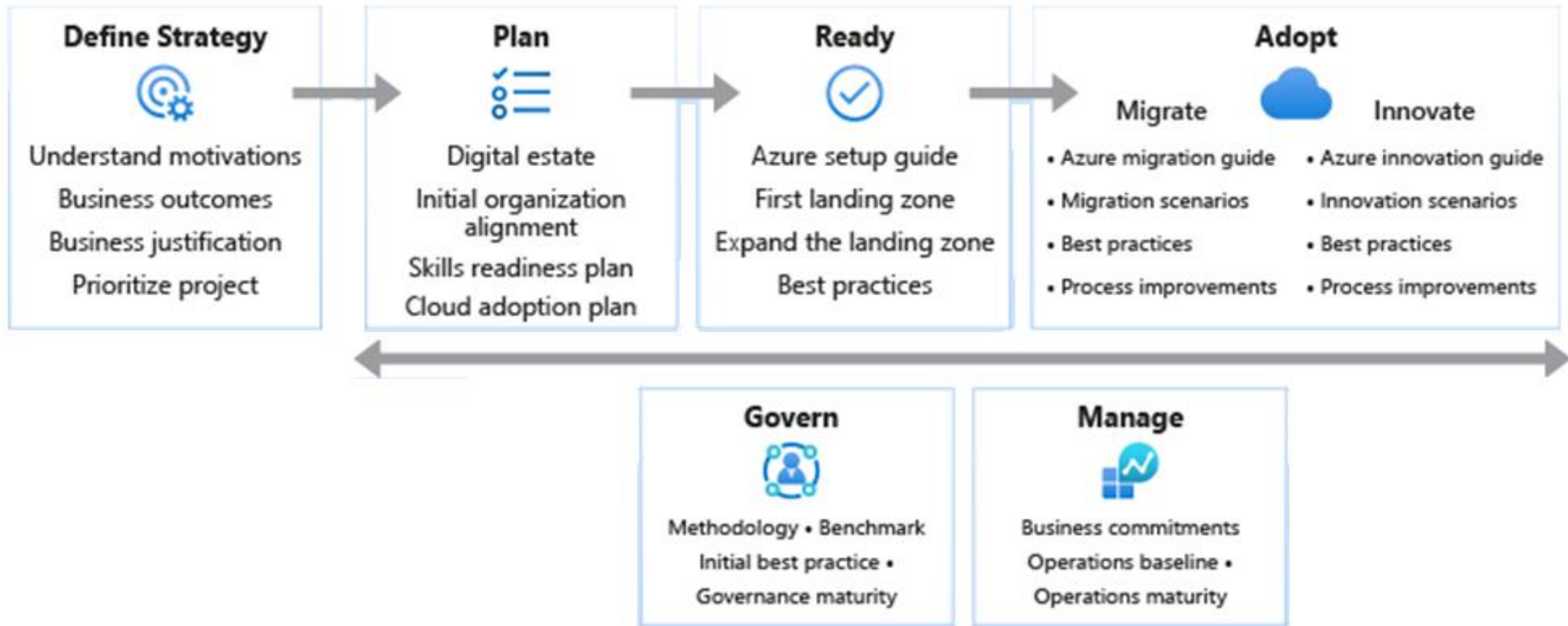
- Tailwind Traders is modernizing its infrastructure and moving to the cloud
- You have been asked to recommend and suggest new cloud architectures - requirements and tasks are provided in case studies
- Make sure to actively participate in small groups or individually
- Become familiar with the [Azure Architecture Center](#), [Azure Charts](#), and the [Azure Documentation](#).
- Consider the Cloud Adoption Framework and Well Architected Framework as you design your case study solutions (next slides)
- Optional hands-on sandboxes are provided on Learn



Microsoft's Cloud Adoption Framework

CAF

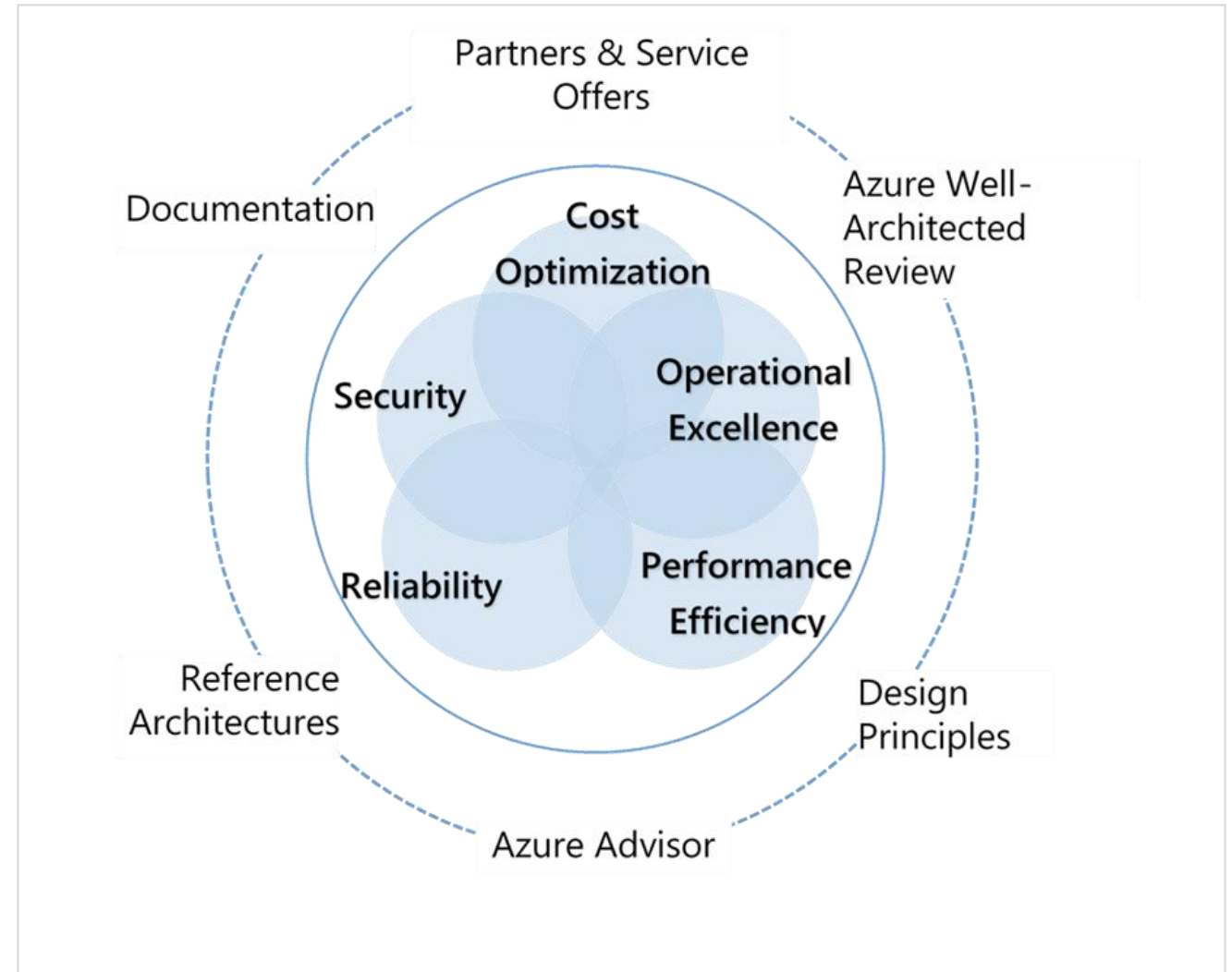
WAF



Microsoft Azure Well-Architected Framework

WAF

- **Cost Optimization** – Managing costs to maximize the value delivered
- **Operational Excellence** – Operations processes that keep a system running in production
- **Performance Efficiency** – Ability of a system to adapt to changes in load
- **Reliability** – Ability of a system to recover from failures and continue to function
- **Security** – Protecting applications and data from threats



End of presentation

