

# What is Your Strategy to Become an Azure Architect in 2025 and Pass the AZ-305 Exam?

by Elkhan Yusubov | Microsoft MVP & MCT RL



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12:30 PM UTC



## Elkhan Yusubov

Speaker | Author | Architect  
Founder at #CloudMarathoner



Elkhan is a Director of Cloud Infrastructure, Chief Architect, Microsoft Azure MVP and 15+ MCT with experience in cloud solutions, enterprise healthcare systems and healthcare data, and API standards (HL7 FHIR, EDI X12).



He is an active Microsoft Tech Community Contributor, Cloud Lunch and Learn Co-organizer, Learning expert and MCT Community Lead, and as well as a LinkedIn instructor with interests in Architecture, DevOps & Security.



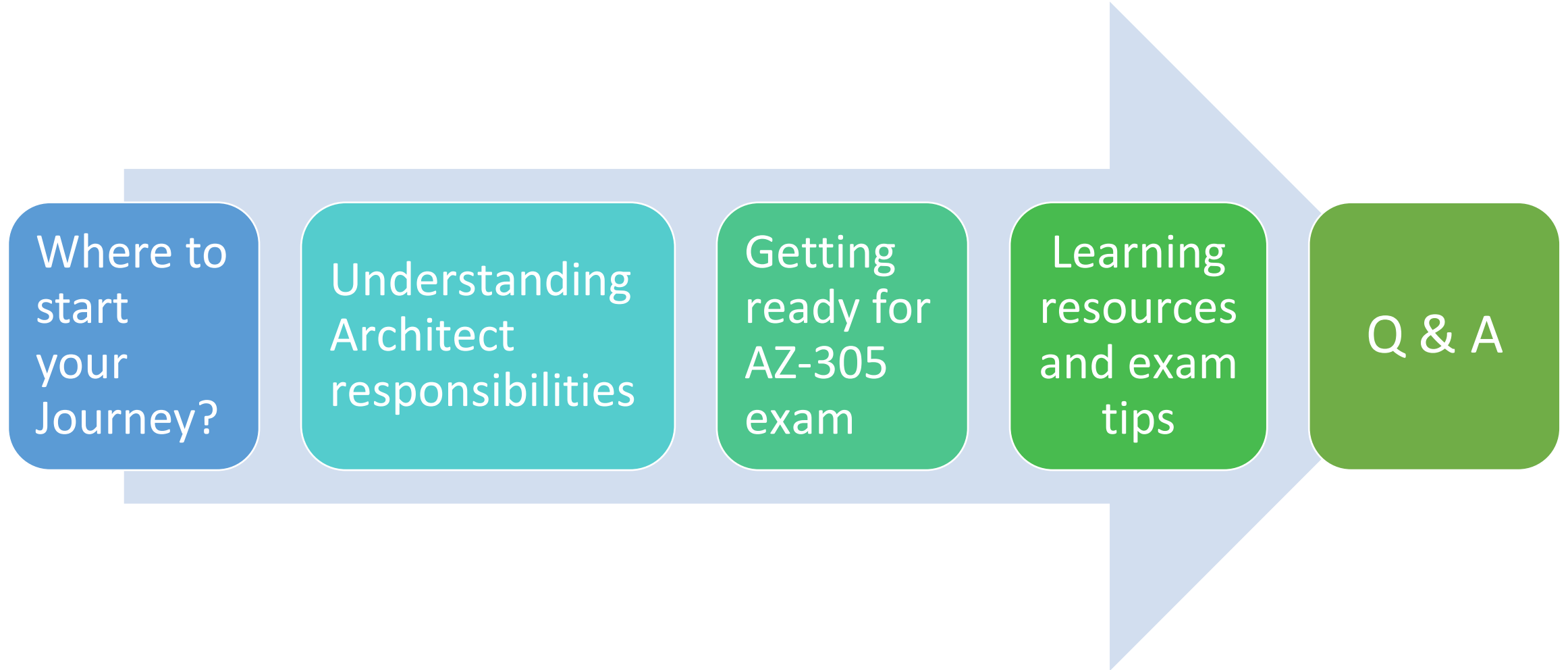
He is a frequent speaker at tech meetups and has volunteered for Give Camps, Azure Data Fest, SQL Saturdays and Microsoft community events, like this one.



And please, checkout his blog posts at Cloud Marathoner site below.

<https://theCloudMarathoner.com> 🌤️ 🏃 🏃

# What we will cover



# What we do; where we do it

## IT Engineering Services

Agile Transformation  
Cloud Adoption &  
Infrastructure Optimization  
Cybersecurity  
Data Engineering & Analytics



Defense Health  
Agency



ICE



Intel Community



USAF



US TRANSCOM



Defense  
Information  
Systems Agency

## Customer Experience

Technology Adoption  
Release Management  
Communications Management  
Change Management



General Services  
Administration



Education



IRS

Treasury

United States®  
Census  
Bureau

## Health IT

EHR Strategy & Management  
HIPAA Compliance  
Healthcare System Integration & Testing  
Patient Experience Enhancement

## Company Info

- Established: 1999
- Legal Structure: LLC
- Headquarters: Bethesda, MD
- SDVOSB Joint Ventures
- CMMI-DEV & SVC Level 3 v2.0
- ISO 9001; ISO27001; ISO20000

### Prime Vehicles/BPAs:

- GSA MAS HACS SIN
- GSA MAS Cloud SIN
- GSA MAS IT Svcs SIN
- COBRA OTA
- CIO-SP3 Small Business
- 8(a) STARS III via MPJV
- GSA MAS HACS SB & Cloud SIN SB via MPJV

Silver  
Microsoft  
Partner

Silver Datacenter  
Silver Data Analytics  
Silver Data Platform  
Silver App Dev  
Silver App Integration

aws partner  
network  
  
Select  
Consulting  
Partner



T-Rex has donated **over \$3.5M** in support of underserved youth, veterans, and local organizations.



# Where to start the certification journey?



## Your path to Azure Solutions Architect Expert

### Microsoft training

- Self-paced online learning (on Microsoft Learn)
- AZ-305T00: Designing Microsoft Azure Infrastructure Solutions

AZ-305: Designing Microsoft Azure Infrastructure Solutions Exam Prep  
You are here – welcome!



AZ-305: Designing Microsoft Azure Infrastructure Solutions Exam



Microsoft Certified:  
Azure Solutions Architect Expert



Microsoft Certified:  
Azure Administrator Associate  
(Prerequisite)



### Work experience

- Experience in Azure administration
- Advanced experience and knowledge of IT operations
- Experience with Azure development and DevOps

### Self-study resources

- Hands-on Labs
- Microsoft Docs
- Azure Architecture Center
- Microsoft Official Practice Test
- Focus placed on skills identified during this session

# What is expected from you as a Cloud Architect ?!

- Design and Implementation
- Cloud Strategy
- Collaboration
- Monitoring and Security
- Efficiency and Optimization
- IT Operations
- DevOps mindset
- Soft Skills and Leadership



# What we have in AZ-305 exam?



# Exam domain objective Group 1



AZ-305 exam – Skills Measured 1

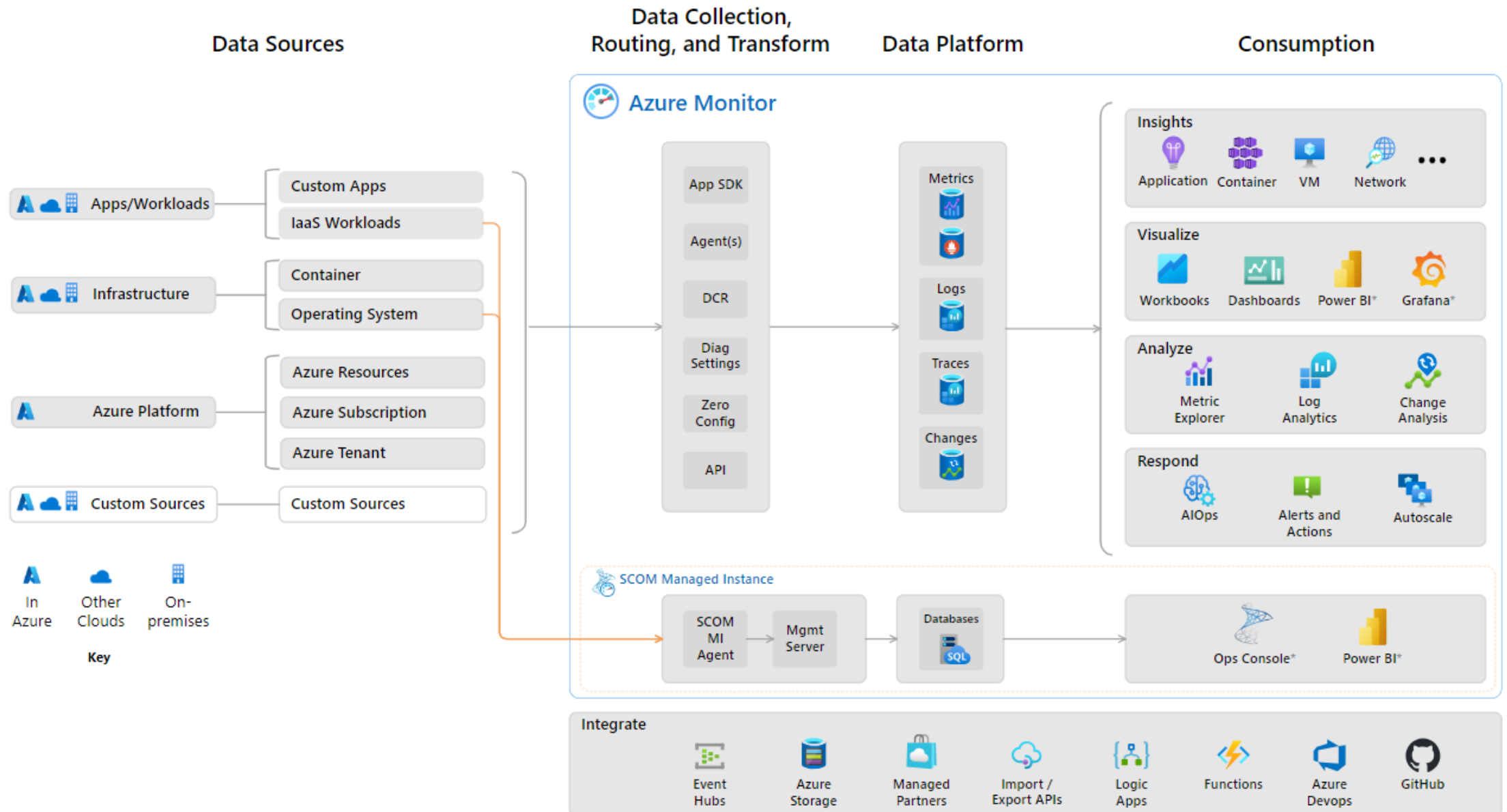
## Design identity, governance, and monitoring solutions

- 1.1 Design a solution for logging and monitoring
- 1.2 Design authentication and authorization solutions
- 1.3 Design governance





# Closer look at Monitoring exam domain objective



# Applied Skills

## Filter

Clear all

### Products

Find a product

▼ ☐ .NET

▼ ☐ Azure

☐ Microsoft Copilot

▼ ☐ Microsoft Defender

▼ ☐ Microsoft Entra

☐ Microsoft Fabric

☐ Microsoft Graph

▼ ☐ Microsoft Power Platform

☐ Microsoft Teams

### Roles

- ☐ Administrator
- ☐ AI Engineer
- ☐ App Maker
- ☐ Data Analyst
- ☐ Data Engineer

Search

Applied Skills ✕


27 results

Sort by: Alphabetical (A-Z) ▼

APPLIED SKILLS

Administer Active Directory Domain Services

Windows • Administrator • Intermediate




⊕ Add

APPLIED SKILLS

Build a natural language processing solution with Azure AI Language

Azure • AI Engineer • Intermediate




⊕ Add

APPLIED SKILLS

Build an Azure AI Vision solution

Azure • Developer • Intermediate




⊕ Add

APPLIED SKILLS

Build collaborative apps for Microsoft Teams

Microsoft Teams • Developer • Intermediate




⊕ Add

APPLIED SKILLS

Configure SIEM security operations using Microsoft Sentinel

Azure • Security Engineer • Intermediate




⊕ Add

APPLIED SKILLS

Configure secure access to your workloads using Azure networking

Azure • Administrator • Intermediate




⊕ Add

APPLIED SKILLS

Create an intelligent document processing solution with Azure AI Document Intelligence

Azure • Developer • Intermediate




⊕ Add

APPLIED SKILLS

Create and manage automated processes by using Power Automate

Microsoft Power Platform • Administrator • Intermediate



⊕ Add

# Exam domain objective Group 2

AZ-305 exam – Skills Measured 2

## Design Data Storage Solutions

2.1 Design a data storage solution for relational data






2.2 Design data storage solutions for semi-structured and unstructured data

2.3 Design data integration

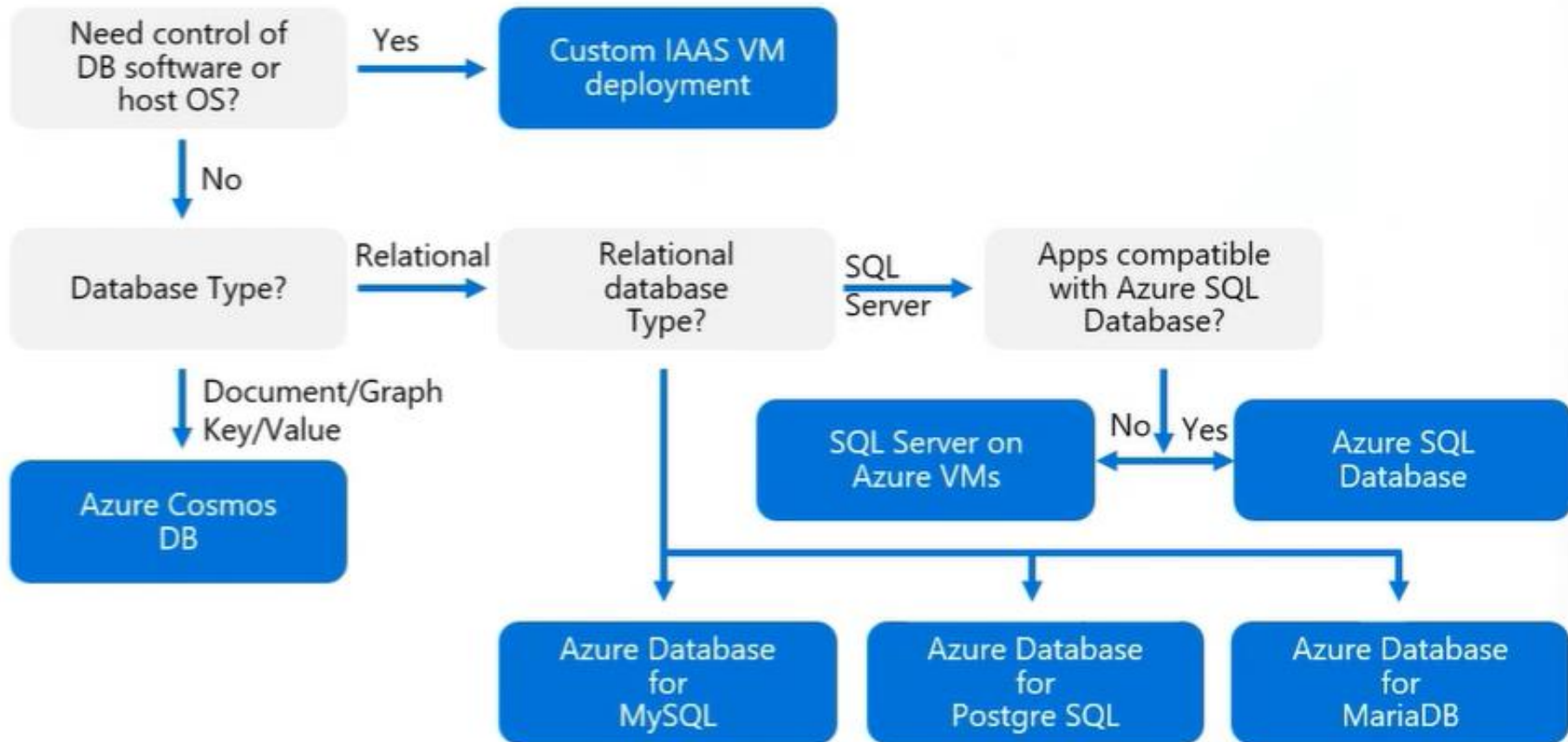


# Closer look at storage exam domain objective

To design Azure storage, you first must determine what type of data you have.

 <b>Relational data</b>	<p>Relational or <b>structured data</b> is stored in a relational format and has a shared schema.</p> <p>It is often stored in a database table with rows, columns, and keys.</p> <div><h3>Structured</h3><table><thead><tr><th>ID</th><th>Name</th><th>Age</th><th>ID</th><th>Salary</th><th>Location</th></tr></thead><tbody><tr><td>1</td><td>AAA</td><td>28</td><td>1</td><td>5000</td><td>N</td></tr><tr><td>2</td><td>BBB</td><td>28</td><td>2</td><td>5500</td><td>W</td></tr><tr><td>3</td><td>CCC</td><td>42</td><td>3</td><td>7000</td><td>W</td></tr></tbody></table><table><thead><tr><th>Name ID</th><th>Salary</th><th>Grade</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>80</td></tr><tr><td>2</td><td>2</td><td>75</td></tr><tr><td>3</td><td>3</td><td>85</td></tr></tbody></table></div>	ID	Name	Age	ID	Salary	Location	1	AAA	28	1	5000	N	2	BBB	28	2	5500	W	3	CCC	42	3	7000	W	Name ID	Salary	Grade	1	1	80	2	2	75	3	3	85
ID	Name	Age	ID	Salary	Location																																
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3	CCC	42	3	7000	W																																
Name ID	Salary	Grade																																			
1	1	80																																			
2	2	75																																			
3	3	85																																			
 <b>Non-relational data</b>	<p>Non-relational data includes:</p> <ul style="list-style-type: none"><li>• <b>Semi-structured data</b> that is less organized than structured data and contains tags that clarify how it is organized.</li><li>• <b>Unstructured data</b> is the least organized type of data and is stored in a non-relational format.</li></ul> <div><h3>Semi-structured</h3><div><div>XML</div><div>JSON</div><div>YAML</div></div><div></div></div> <div><h3>Unstructured</h3><div><div>101010 010101 101010</div><div>101010 010101 101010</div></div></div>																																				

# Choose from the relational data products





# Exam domain objective Group 3

AZ-305 exam – Skills Measured 3

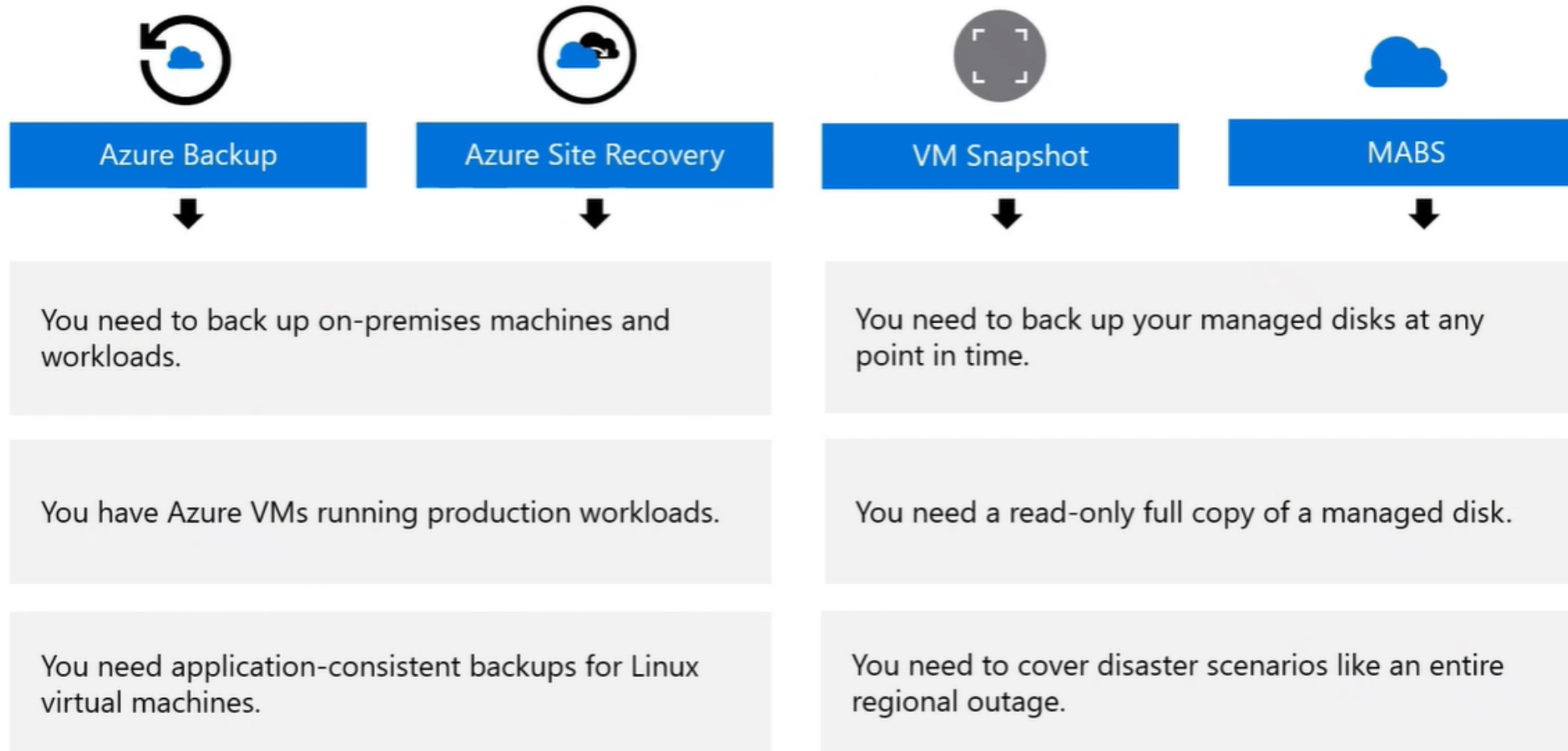
## Design Business Continuity Solutions

3.1 Design a solution for backup and disaster recovery

3.2 Design for high availability



# Closer look at disaster recovery methods



# Exam domain objective Group 4

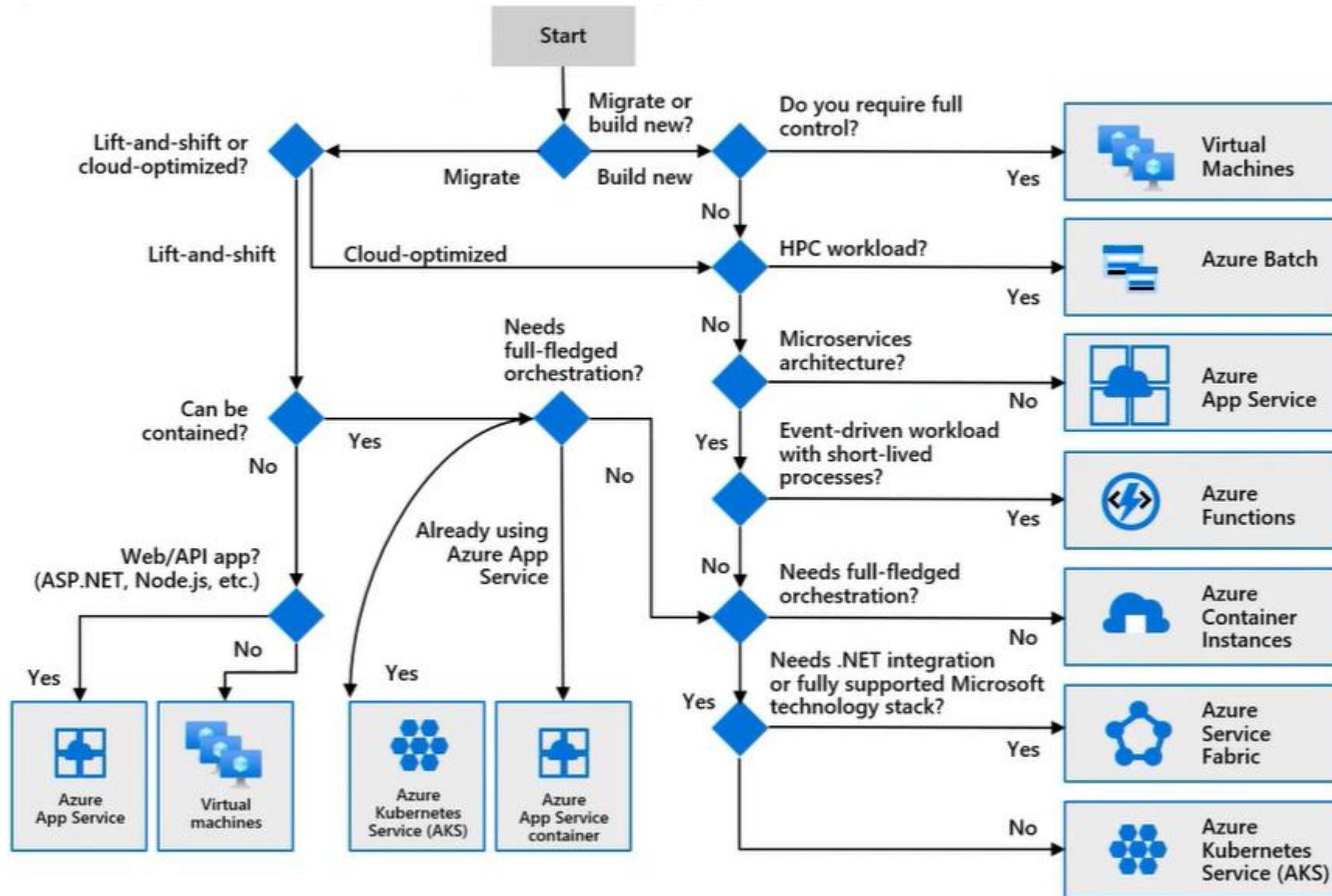
AZ-305 exam – Skills Measured 4

## Design infrastructure solutions

- 4.1 Design a compute solution
- 4.2 Design an application architecture
- 4.3 Design migrations
- 4.4 Design network solutions



# Closer look at choosing compute services



# Learning resources for AZ-305 exam

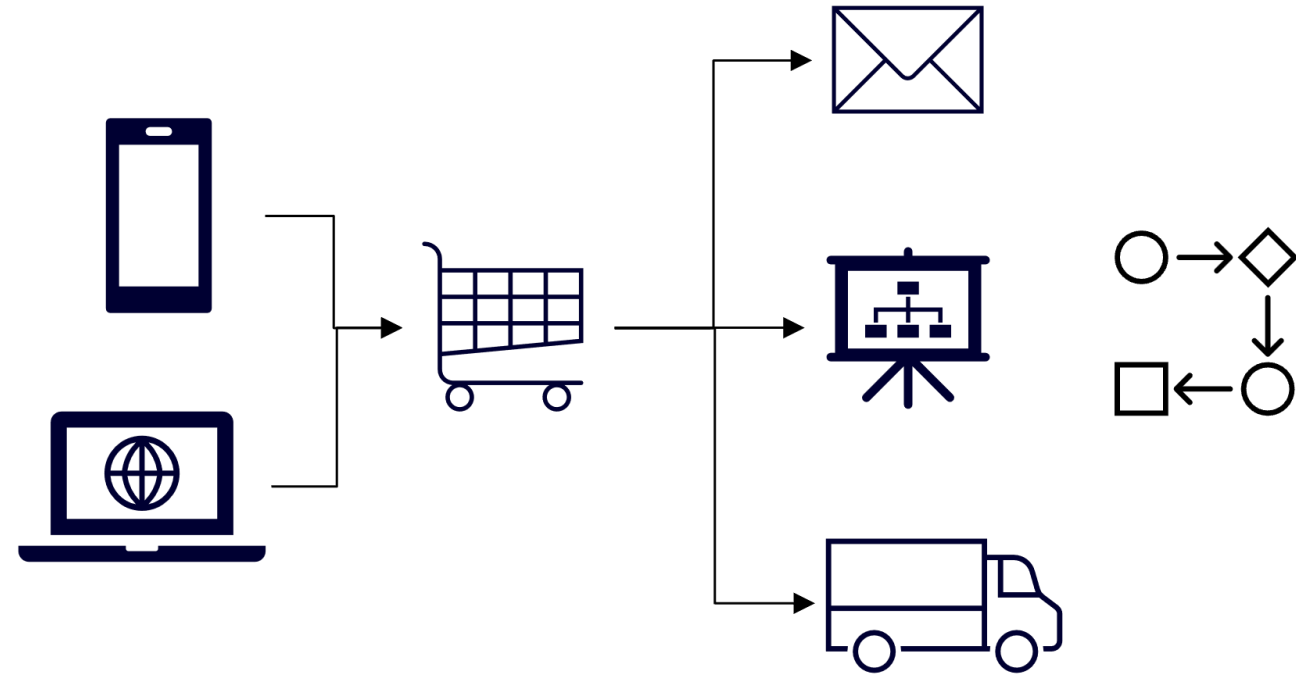
- [Microsoft Learn modules](#)
- [Cloud Marathoner – Study Guide](#)
- [Thomas Maurer – Study Guide](#)
- [Official practice tests](#)
- [John Savill's Study Cram](#)
- [Labs and exercises](#)
- [Azure Architect center](#)
- [Microsoft Exam emulator](#)
- [Free Practice Assessment](#)





# Case Studies – Design an app architecture

- Where should the images be stored?
- How will you ensure that all images are scanned even when uploads are outpacing scanning?
- Once images are approved and the catalog database is updated, how will the customer be notified?



## Azure Solutions Architect Expert (AZ-305) Cert Prep: Design Infrastructure Solutions 🎧



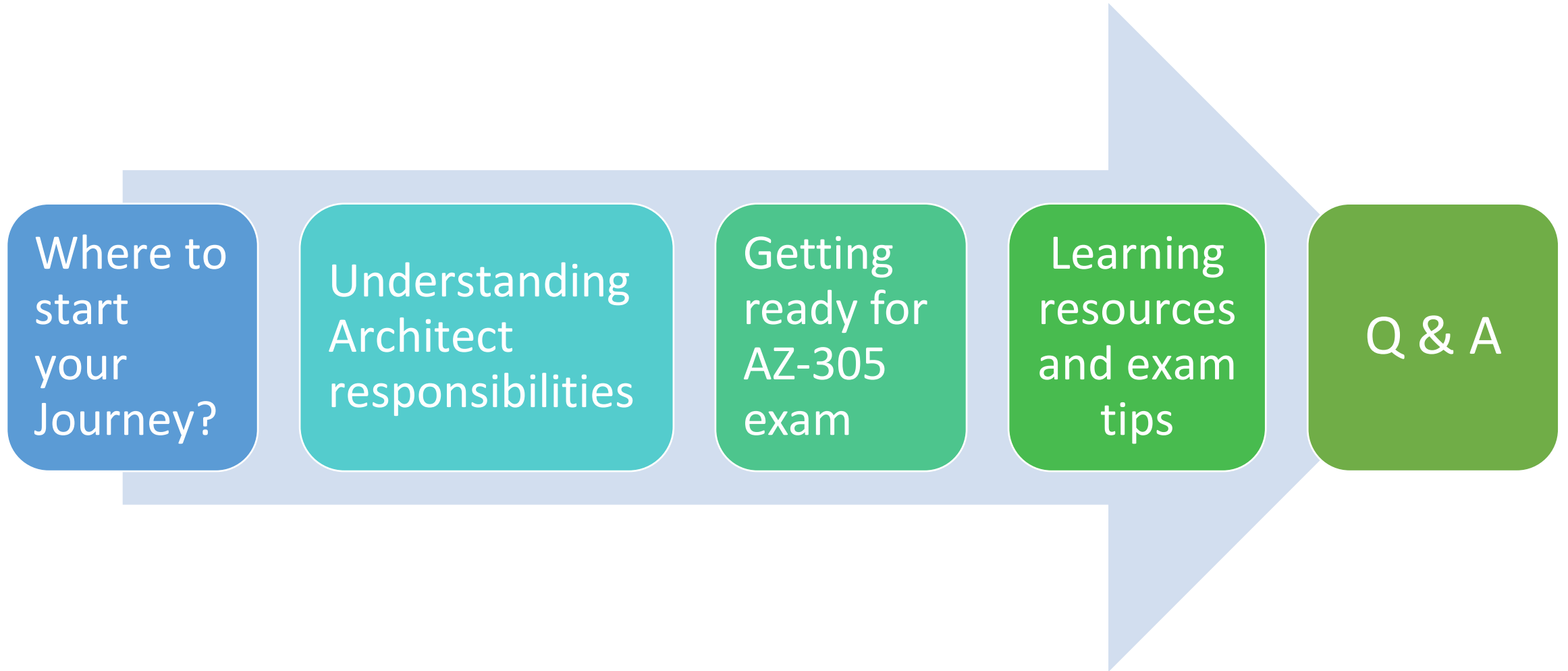
# Azure always free resources

- Azure free subscription
- Always free 40+ services





# What we covered





# What is next?

**#CloudMarathoner 's Study Guide**



**Microsoft Lean AZ-305 modules**



**AWESOME Azure Architect - GitHub**



**LinkedIn AZ-305 Cert Prep:  
Design Infrastructure Solutions**



# Thank you !



<https://gimmecloudtalks.github.io>

**Elkhan Yusubov**  
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<https://theCloudMarathoner.com> 🌤️ 🏃 🏃