

Learn Security Fundamentals in Microsoft Azure with SC-900

by Elkhan Yusubov | Microsoft MVP & MCT RL



**CYBER
BACK TO
SCHOOL**



October 14, 2024
8:30 PM EDT



Elkhan Yusubov

Speaker | Author | Architect
Founder at #CloudMarathoner



  @ElYusubov

Elkhan is a Director of Cloud & Infrastructure, and an Architect Manager, Microsoft Azure MVP and 17+ 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 Regional 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 the posts at Cloud Marathoner site & LinkedIn

<https://theCloudMarathoner.com>   

What we will cover



Start your
Security
journey?

What to
expect in
SC-900?

Learning
resources
for the
exam

Wrap up
with Q&A

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 your Security Journey?

- Starting with fundamentals
- Focusing on your role
- Focusing on environment



What to expect in SC-900?

Describe the concepts of security, compliance, and identity 10-15%

Describe the capabilities of Microsoft Entra 25-30%

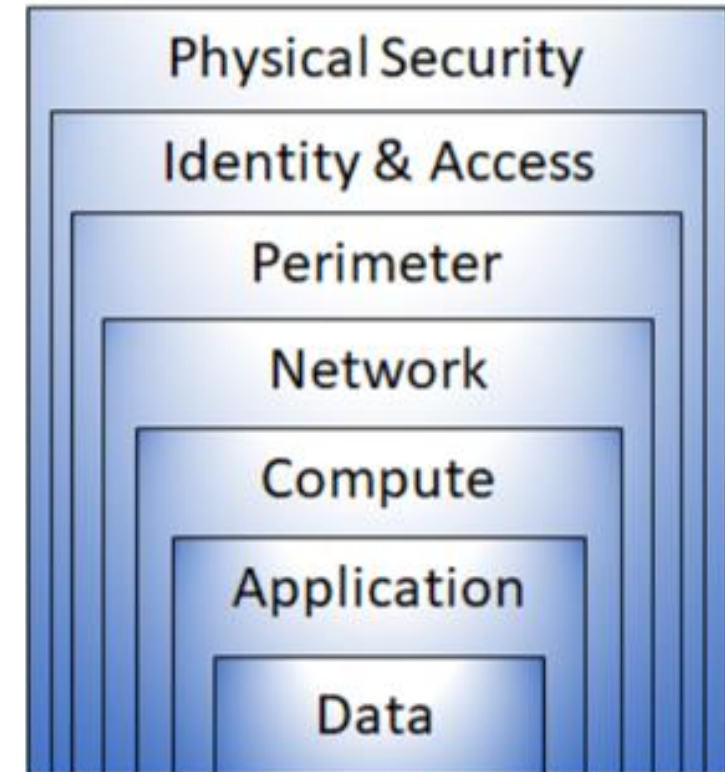
Describe the capabilities of Microsoft security solutions 25-30%

Describe the capabilities of Microsoft compliance solutions 25-30%

Describe the concepts of security, compliance, and identity

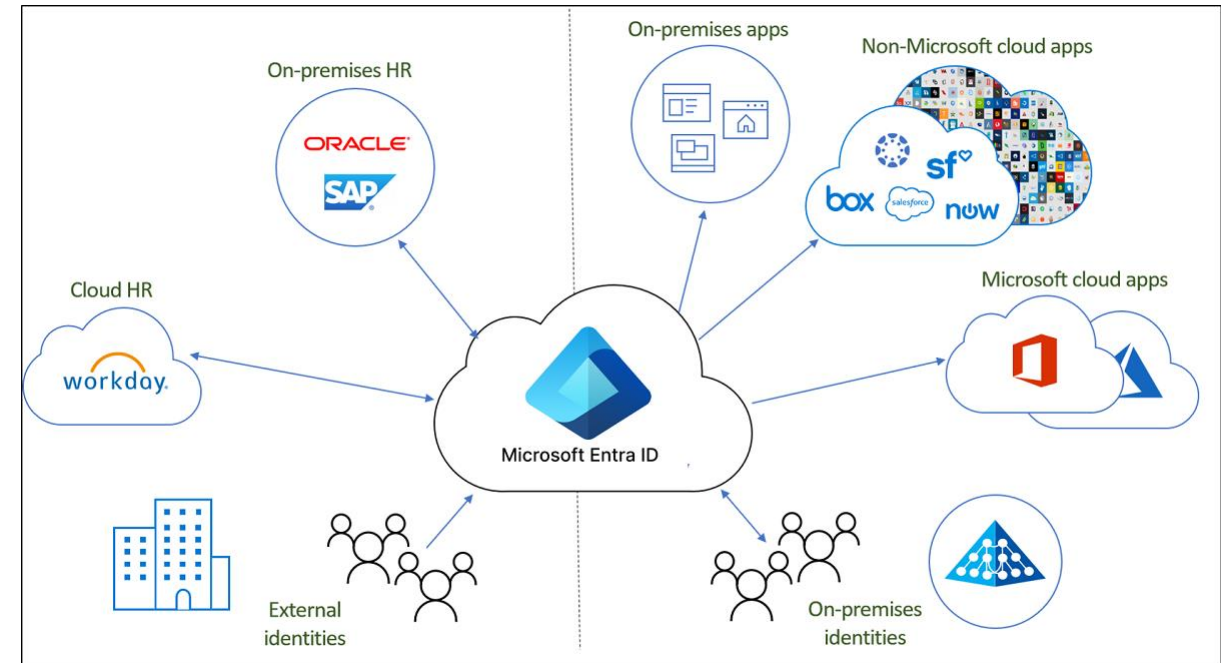


- Defense in depth security model
- Zero trust model
- Basic compliance concepts
- Encryption and hashing
- Authentication and Authorization
- Identity as a security perimeter



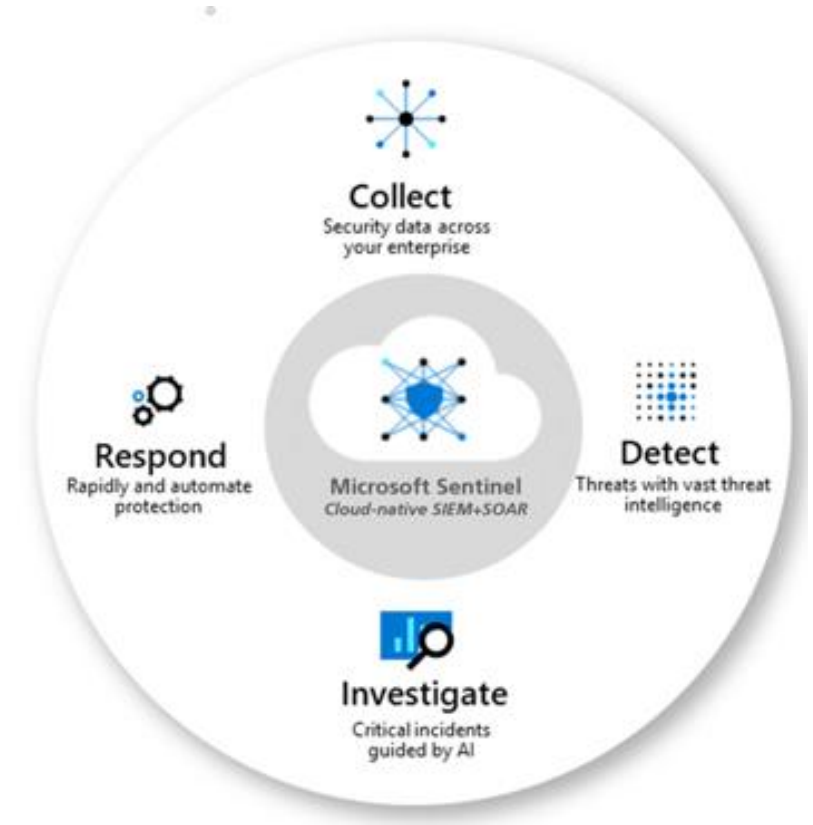
Describe the capabilities of Microsoft Entra

- Function and identity types
- Authentication capabilities
- Access management capabilities
- Identity protection and governance capabilities

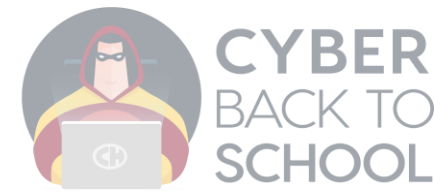


Describe the capabilities of Microsoft security solutions

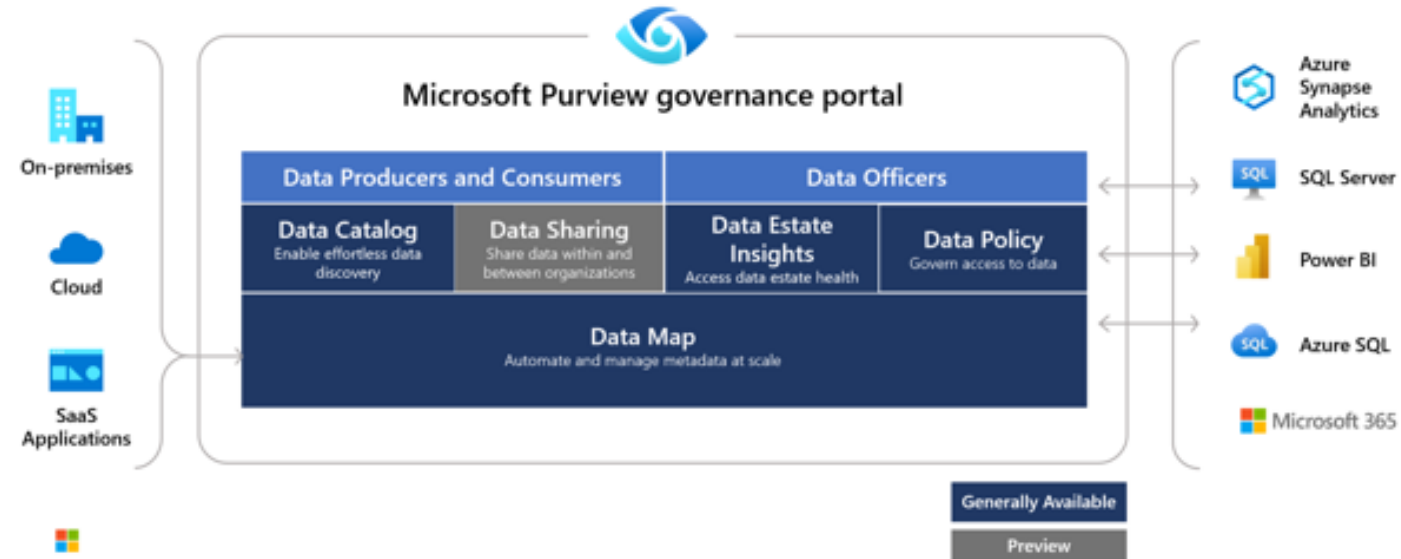
- Core infrastructure security services in Azure
- Security management capabilities of Azure
- Capabilities of Microsoft Sentinel
- Threat protection with Microsoft Defender XDR



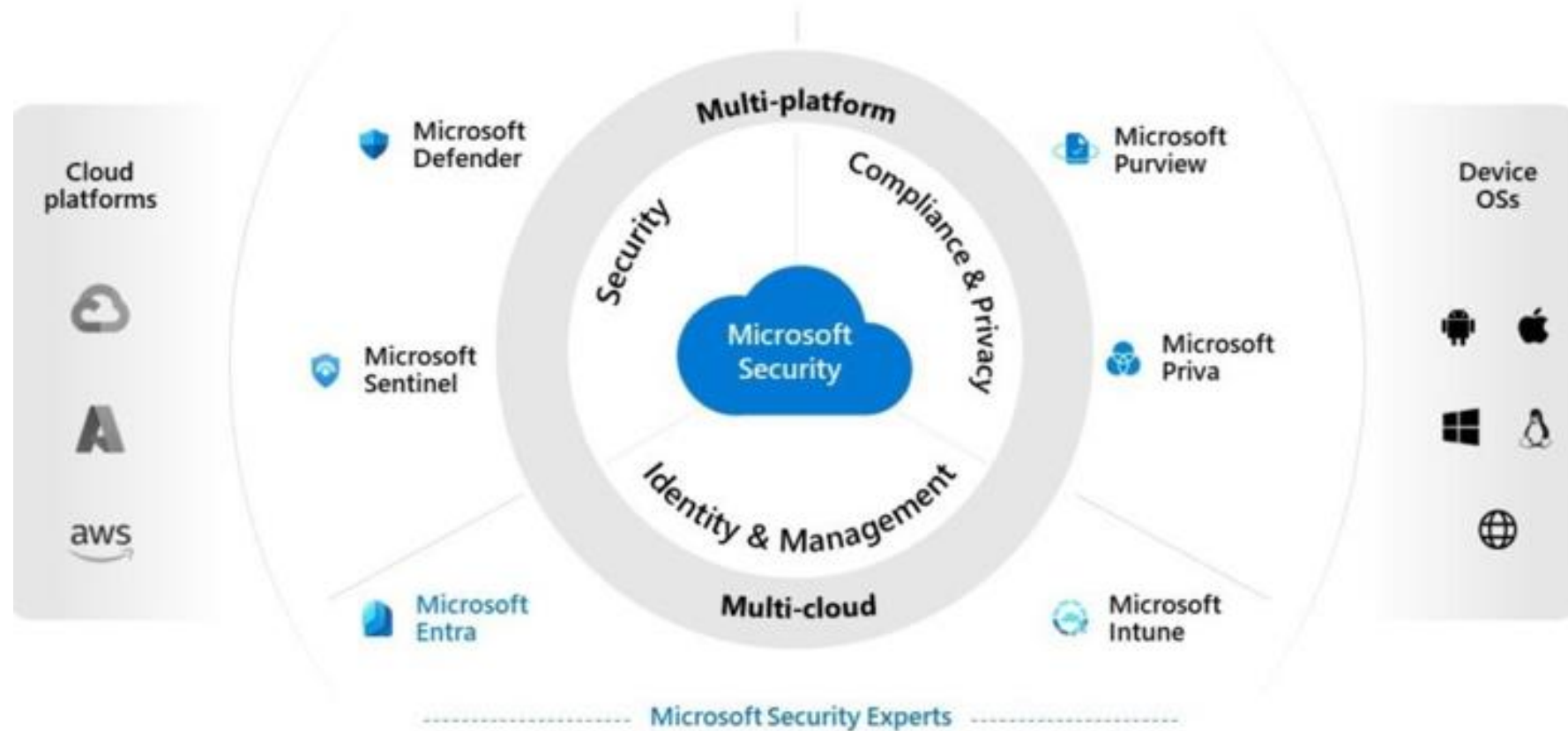
Describe the capabilities of Microsoft compliance solutions



- Service Trust portal and privacy capabilities
- Compliance management capabilities in Microsoft Purview
- Insider risk capabilities in Microsoft Purview
- eDiscovery and audit capabilities
- Other capabilities in Microsoft Purview



Microsoft security product portfolio



Applied Skills – hands on practices



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

Search

Applied Skills ✕

27 results

Sort by: Alphabetical (A-Z) ▾

<p>APPLIED SKILLS</p> <p>Administer Active Directory Domain Services</p> <p>Windows • Administrator • Intermediate</p> <p>⊕ Add</p>	<p>APPLIED SKILLS</p> <p>Build a natural language processing solution with Azure AI Language</p> <p>Azure • AI Engineer • Intermediate</p> <p>⊕ Add</p>	<p>APPLIED SKILLS</p> <p>Build an Azure AI Vision solution</p> <p>Azure • Developer • Intermediate</p> <p>⊕ Add</p>	<p>APPLIED SKILLS</p> <p>Build collaborative apps for Microsoft Teams</p> <p>Microsoft Teams • Developer • Intermediate</p> <p>⊕ Add</p>
<p>APPLIED SKILLS</p> <p>Configure SIEM security operations using Microsoft Sentinel</p> <p>Azure • Security Engineer • Intermediate</p> <p>⊕ Add</p>	<p>APPLIED SKILLS</p> <p>Configure secure access to your workloads using Azure networking</p> <p>Azure • Administrator • Intermediate</p> <p>⊕ Add</p>	<p>APPLIED SKILLS</p> <p>Create an intelligent document processing solution with Azure AI Document Intelligence</p> <p>Azure • Developer • Intermediate</p> <p>⊕ Add</p>	<p>APPLIED SKILLS</p> <p>Create and manage automated processes by using Power Automate</p> <p>Microsoft Power Platform • Administrator • Intermediate</p> <p>⊕ Add</p>

Learning resources for SC-900 exam

- [Microsoft Learn modules](#)
- [Exam Simulator](#)
- [Free Practice Exam](#)
- [Pete Zerger - SC-900 Exam Cram - 2024 Edition \(Full Course\)](#)



Azure always free resources

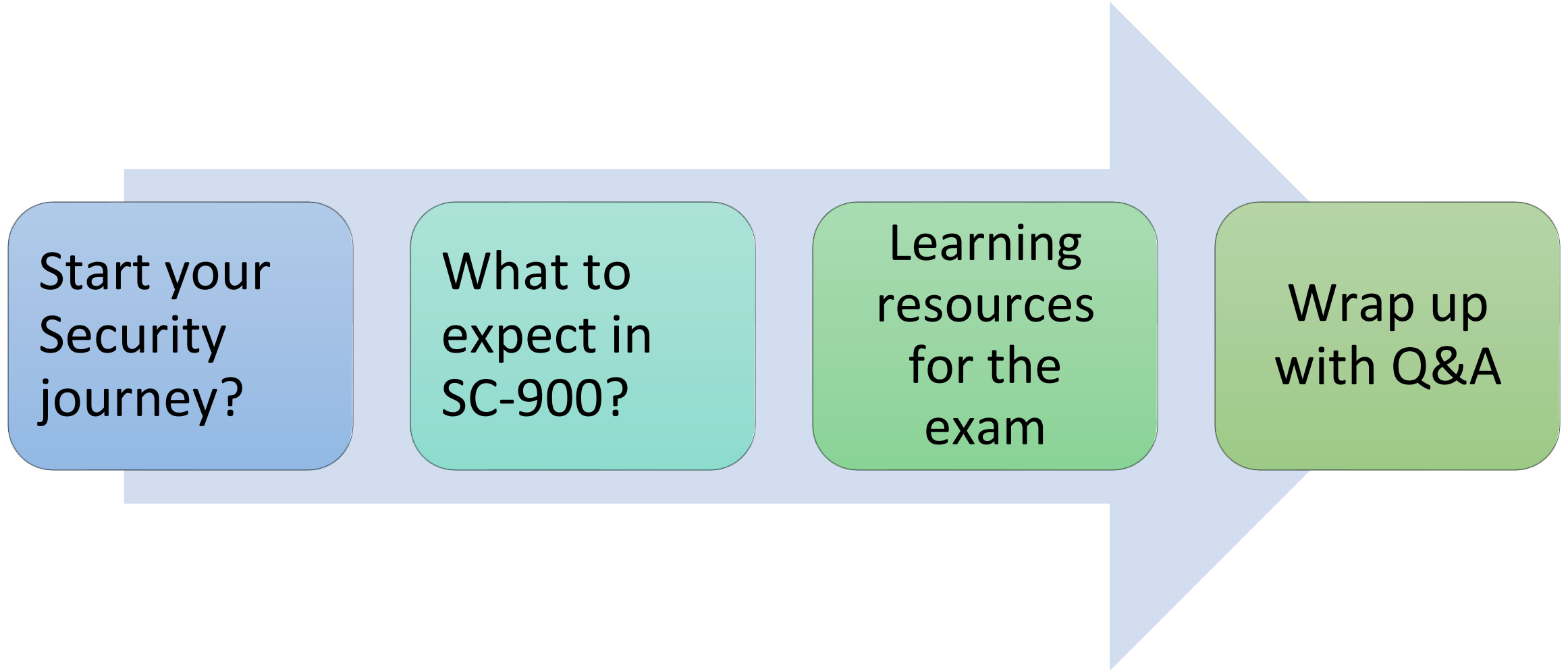


- Azure free subscription
- Always free 40+ services





What we covered



What is next?



#Microsoft SC-900 Exam details



MS Learn modules on SC-900



New #CloudMarathoner YT channel



Thank you !



<https://cyberbacktoschool.com/>

Elkhan Yusubov
Speaker | Author | Cloud Architect
Founder at #cloudmarathoner

<https://theCloudMarathoner.com>   