



**CYBER
BACK TO
SCHOOL**

I'm speaking at Cyber Back to School 2025

Introduction to Cybersecurity Fundamentals with Azure SC-900

Fri, 10/10/2025 9:00 am



Elkhan Yusubov



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Speaker | Author | Architect
Founder of #CloudMarathoner



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



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



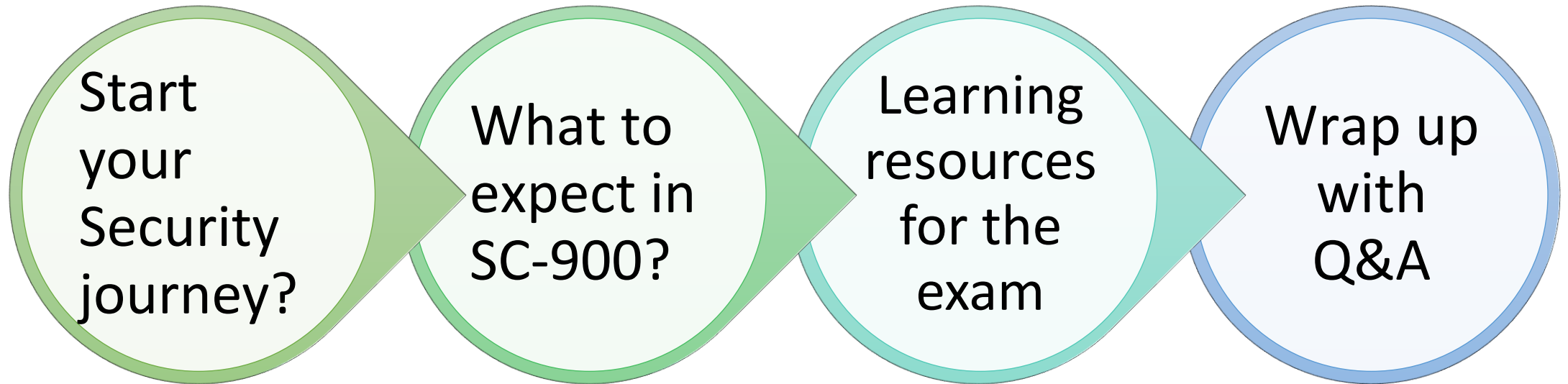
He is a frequent speaker at tech meetups and has volunteered for Give Camps, Microsoft Community Days, Code camps, Azure Data Fest, SQL Saturdays, Global Azure and Microsoft community events, like this one.



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

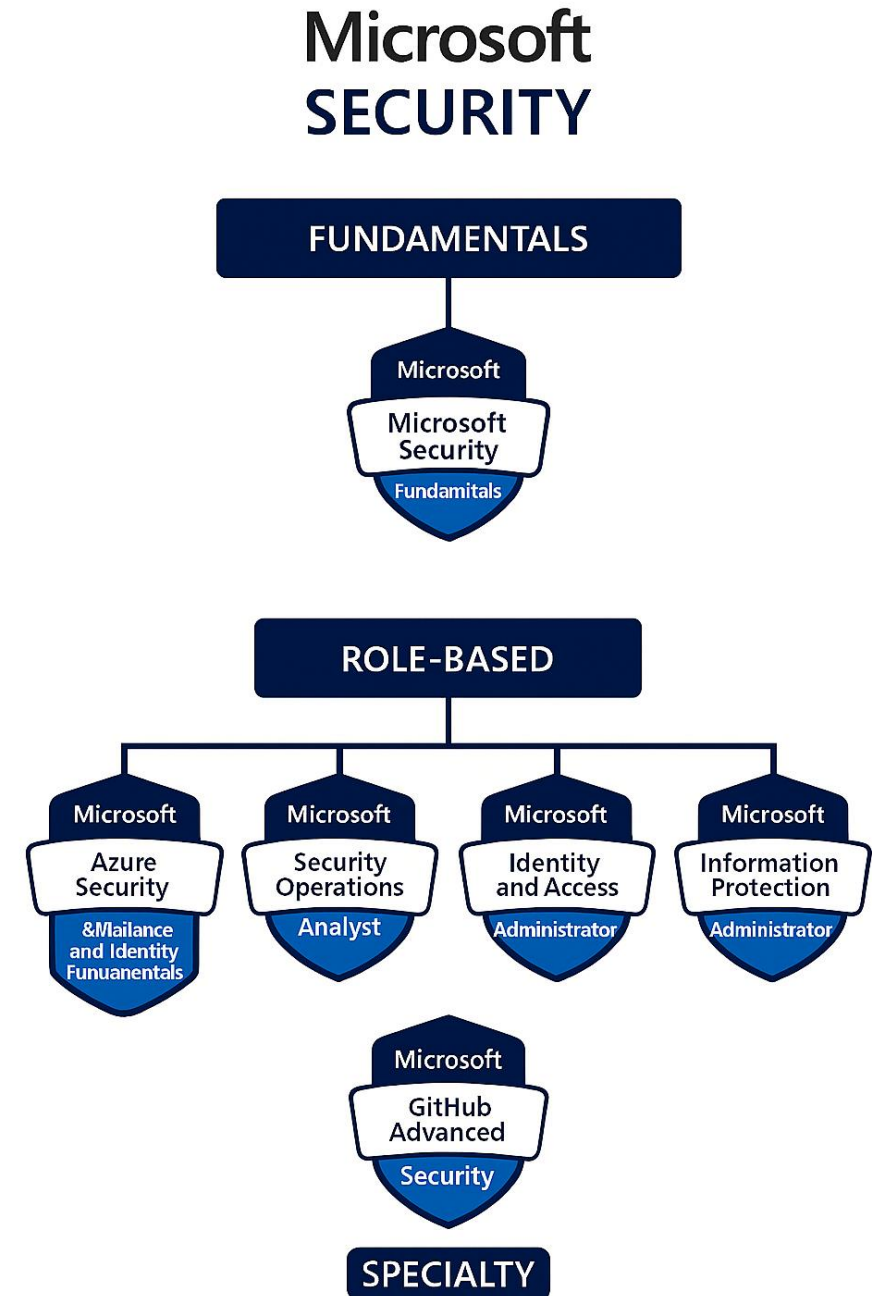
Select
Consulting
Partner



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

Where to start 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%

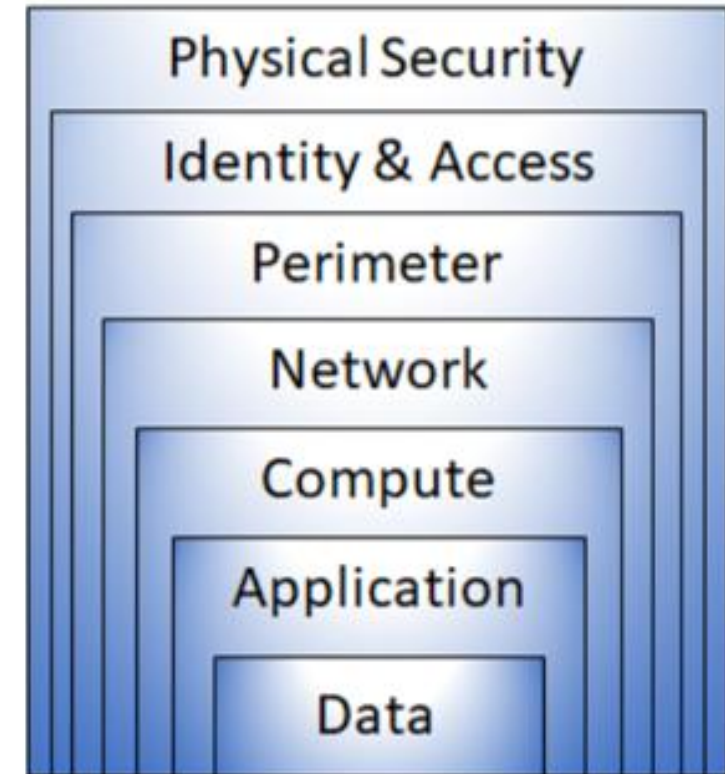
Describe the capabilities of Microsoft Entra 25-30%

Describe the capabilities of Microsoft security solutions 35-40%

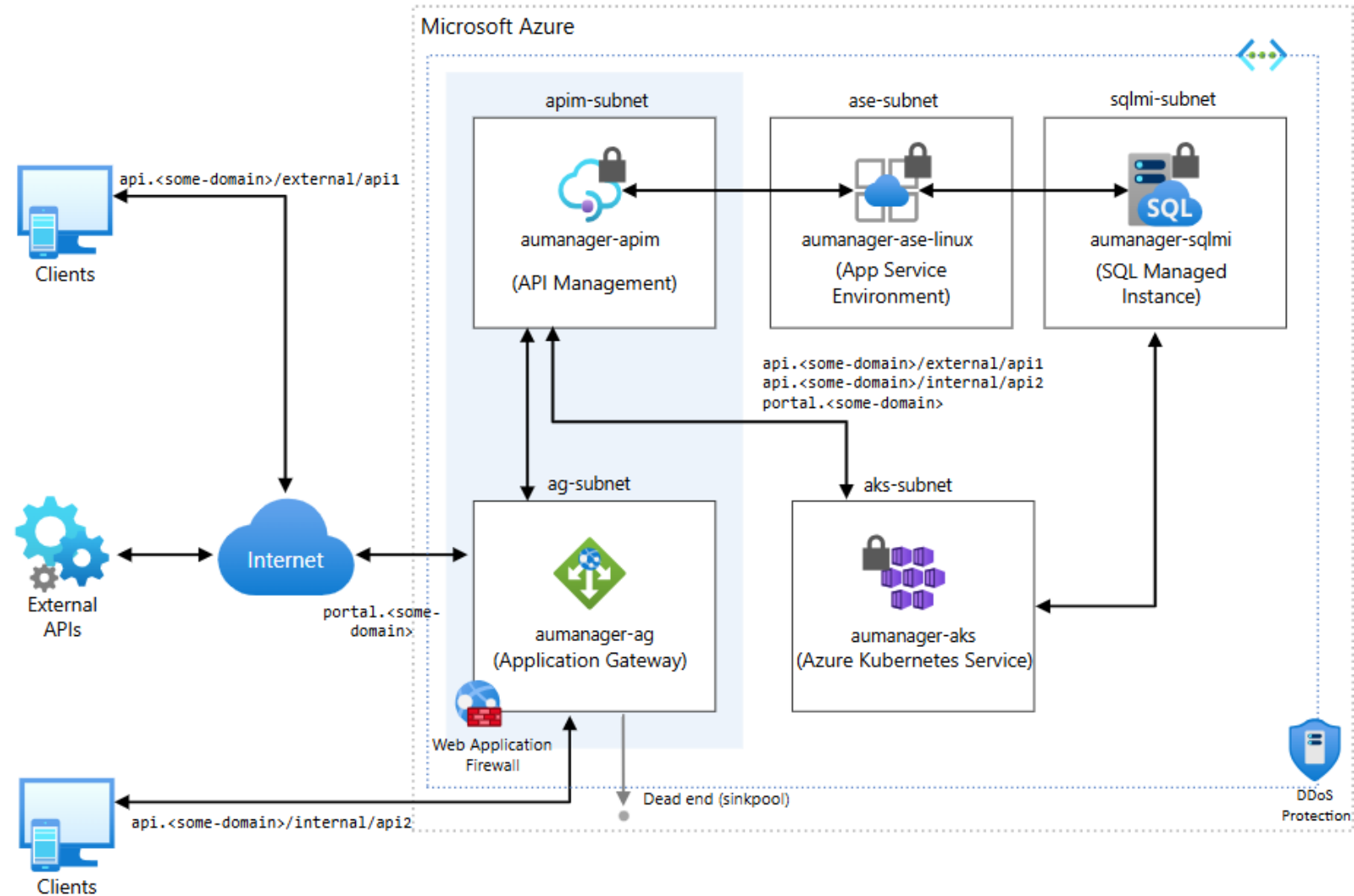
Describe the capabilities of Microsoft compliance solutions 20-25%

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

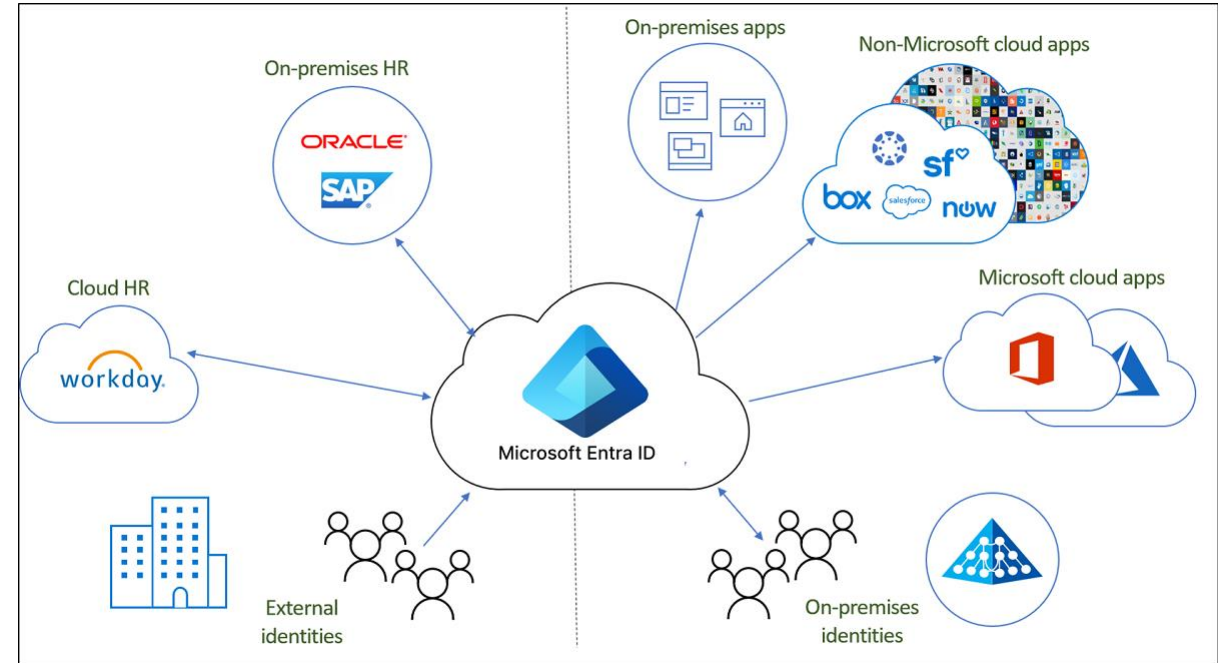


Review: Protecting APIs



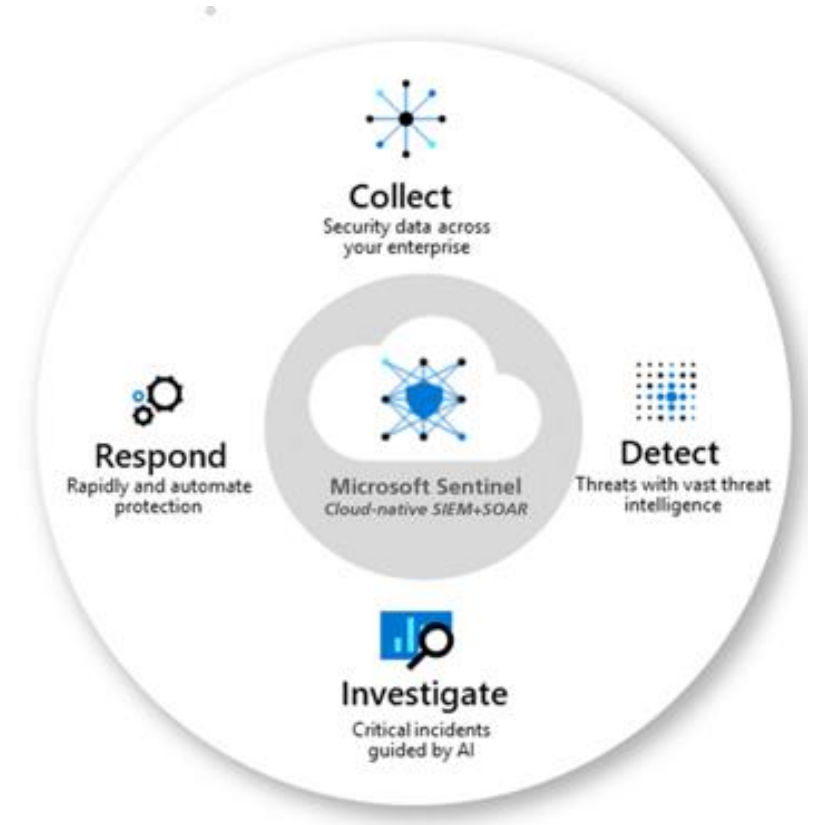
Describe the capabilities of Microsoft Entra

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

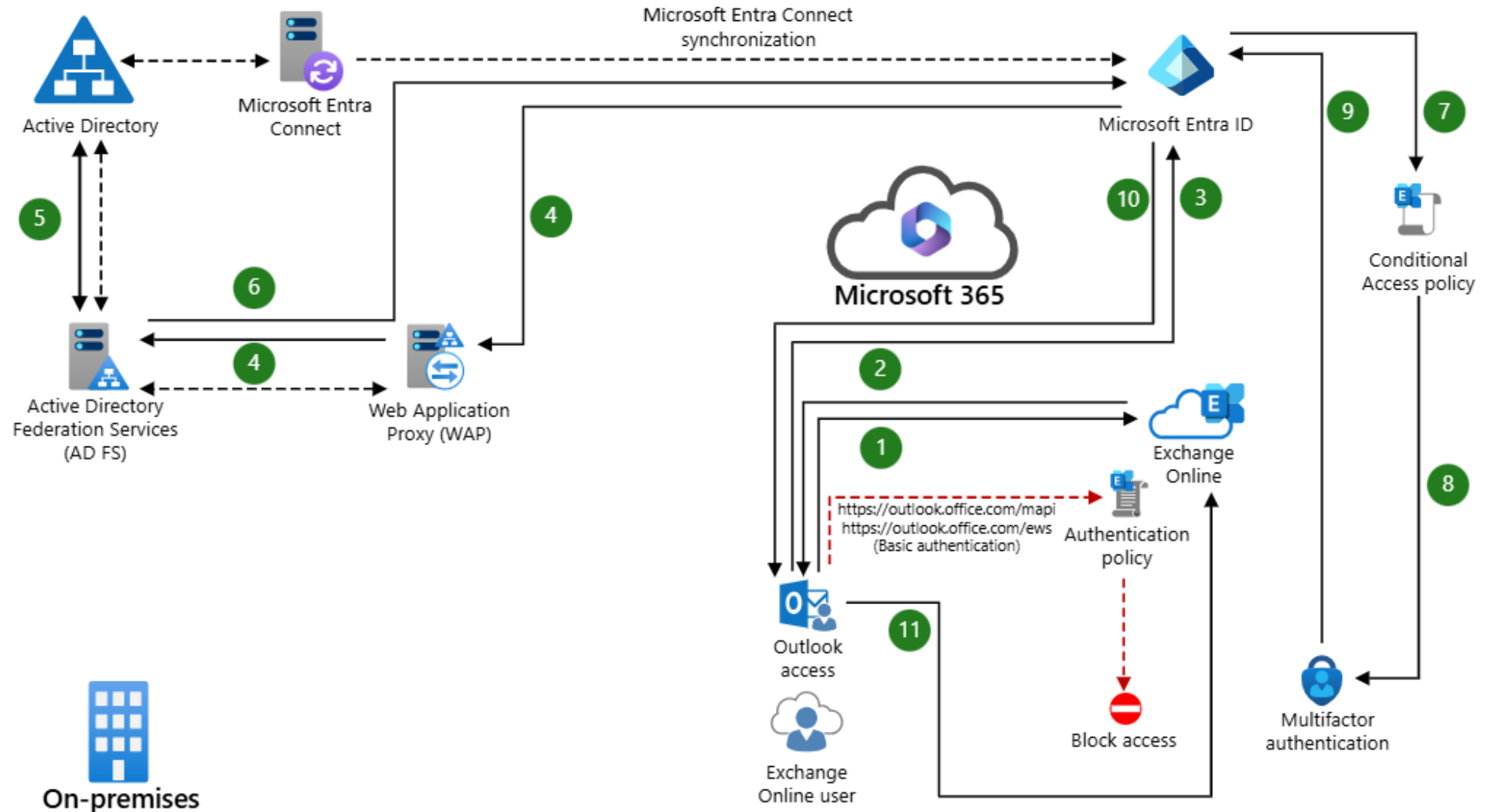


Describe the capabilities of Microsoft security solutions

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

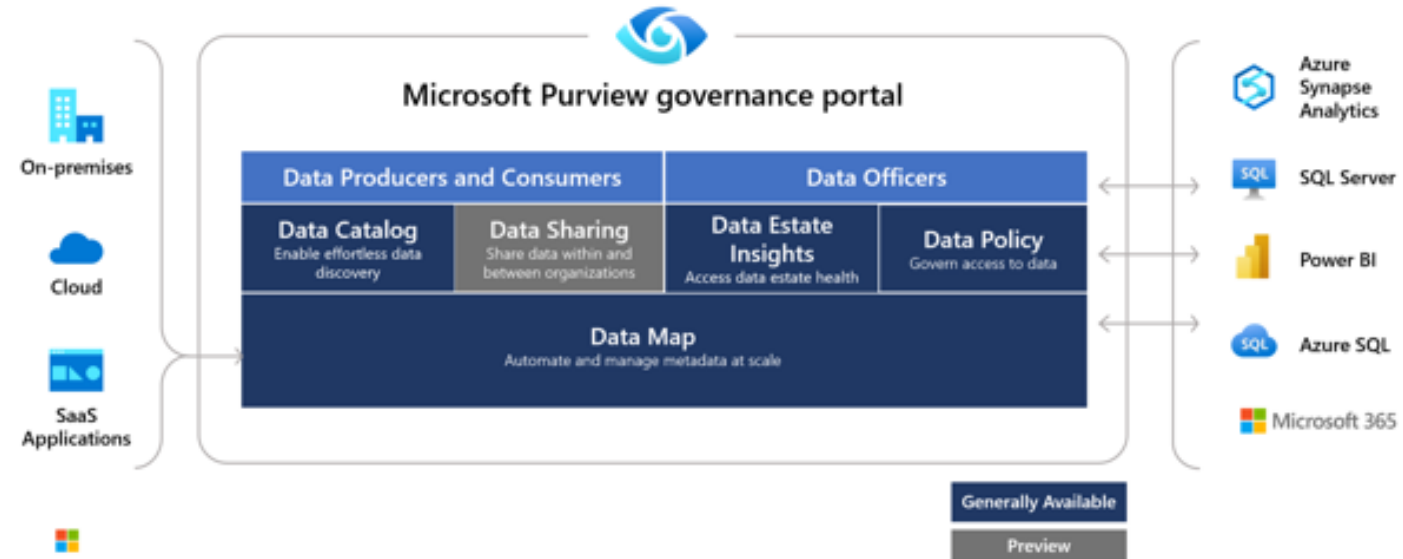


Review: Enhanced-security hybrid messaging infrastructure

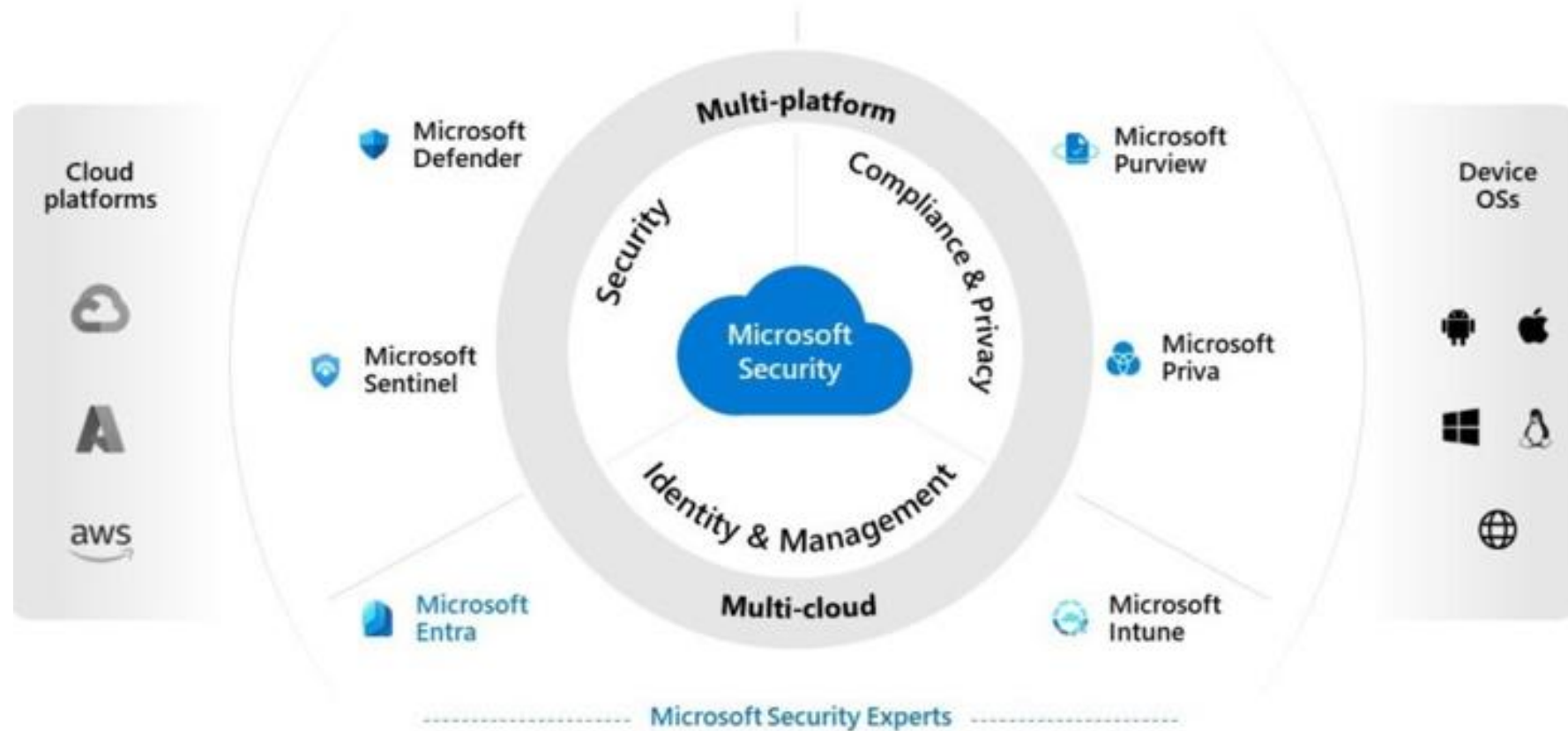


Describe the capabilities of Microsoft compliance solutions

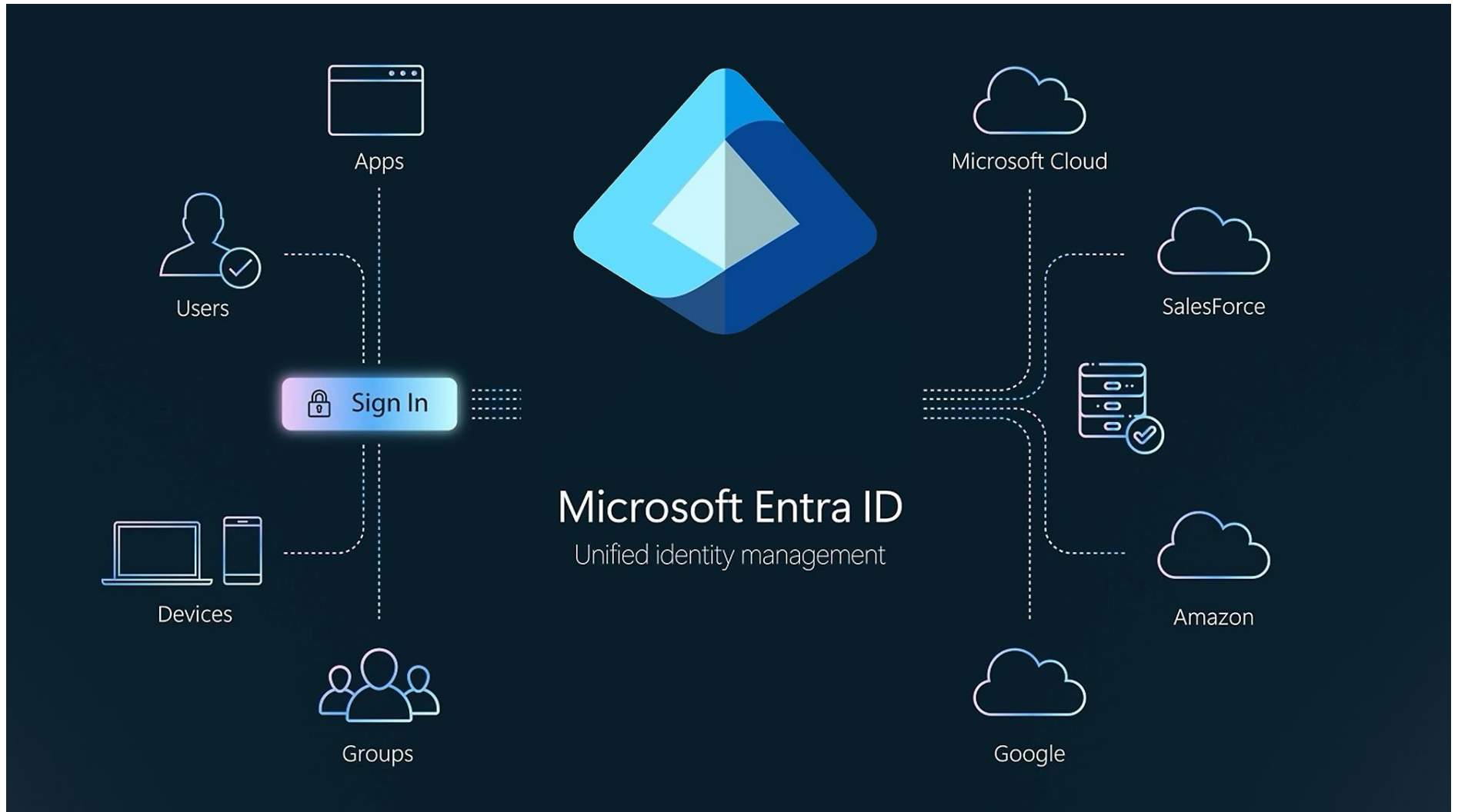
- Service Trust portal and privacy capabilities
- Compliance management capabilities in Microsoft Purview
- Insider risk capabilities in Microsoft Purview
- eDiscovery and audit capabilities
- Other capabilities in Microsoft Purview



Microsoft security product portfolio



Demo: Microsoft Entra portal



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) ▾

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

Learning resources for SC-900 exam

- [Microsoft Learn modules](#)
- [Exam Simulator](#)
- [Free Practice Exam](#)
- [Pete Zerger – Pass SC-900 exam in 2025](#)



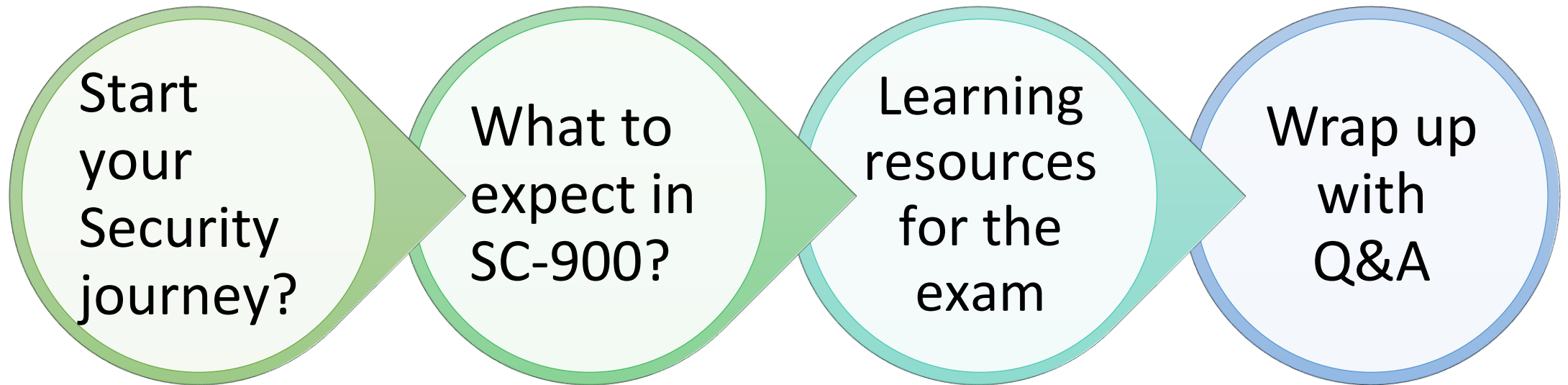
Azure always free resources

- 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/>

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Founder at #cloudmarathoner

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