



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



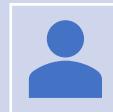
Elkhan Yusubov



Elkhan Yusubov
Speaker | Author | Architect
Founder of #CloudMarathoner



[in](#) [Twitter](#) @ElYusubov



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.

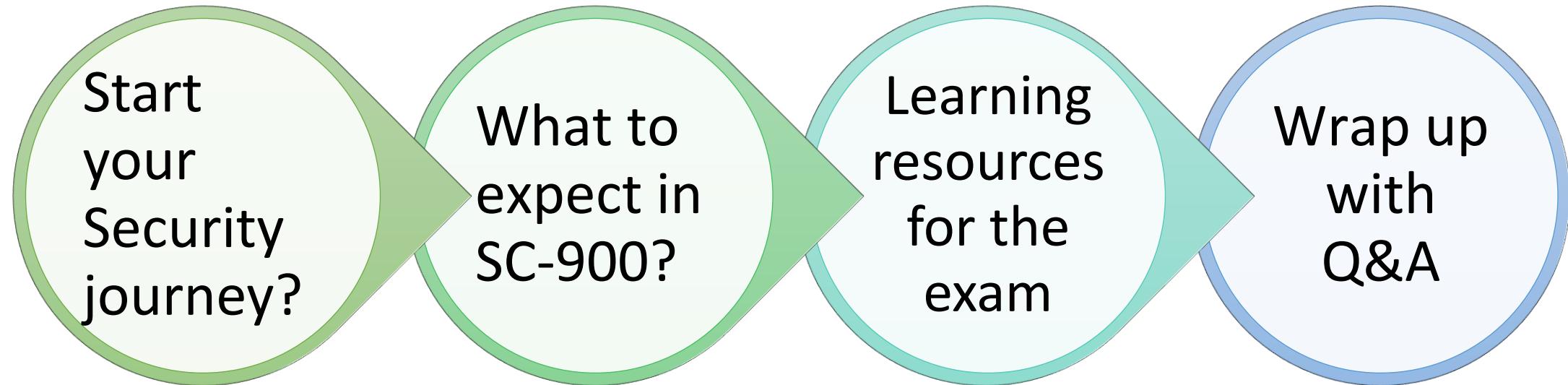


And please, checkout his blog posts at Cloud Marathoner site below.

<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



General Services Administration



Education



IRS Treasury

United States®
Census
Bureau

□ Customer Experience

*Technology Adoption
Release Management
Communications Management
Change Management*

□ 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

aws partner network
Select Consulting Partner



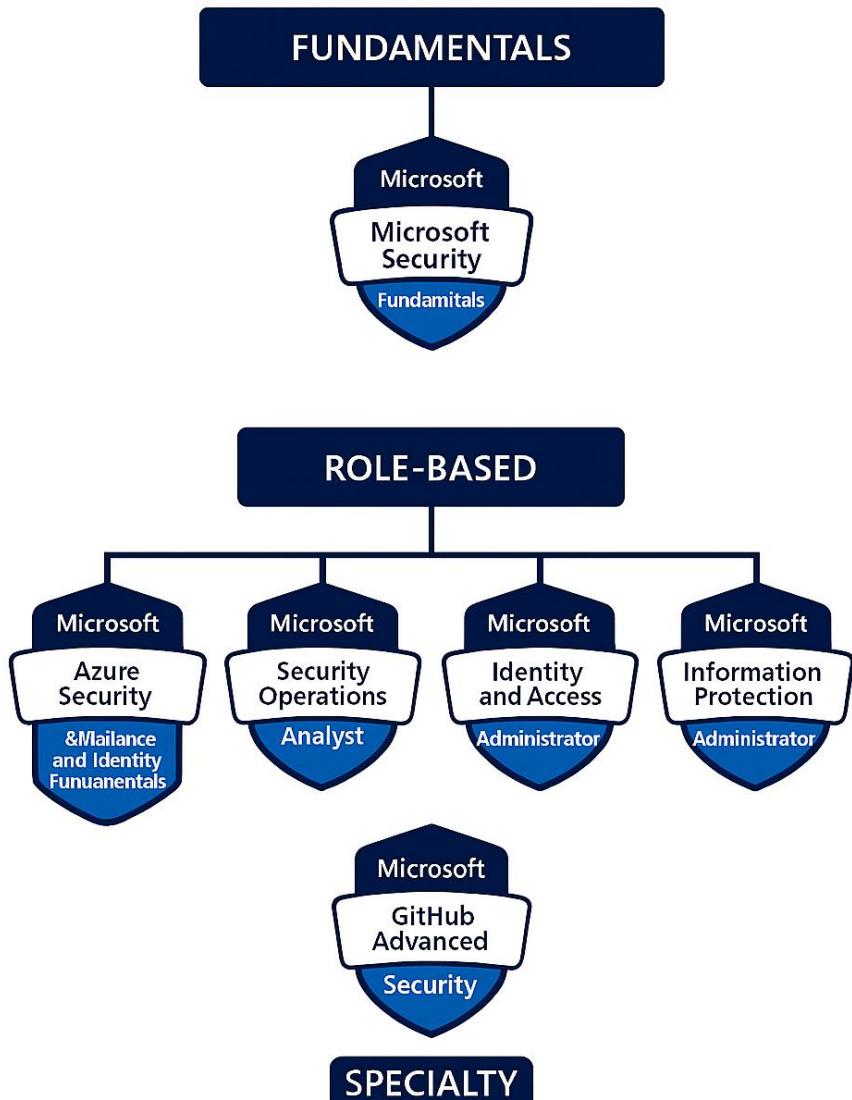
T-REX cares

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

Where to start your Security Journey?

**Microsoft
SECURITY**

- 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%

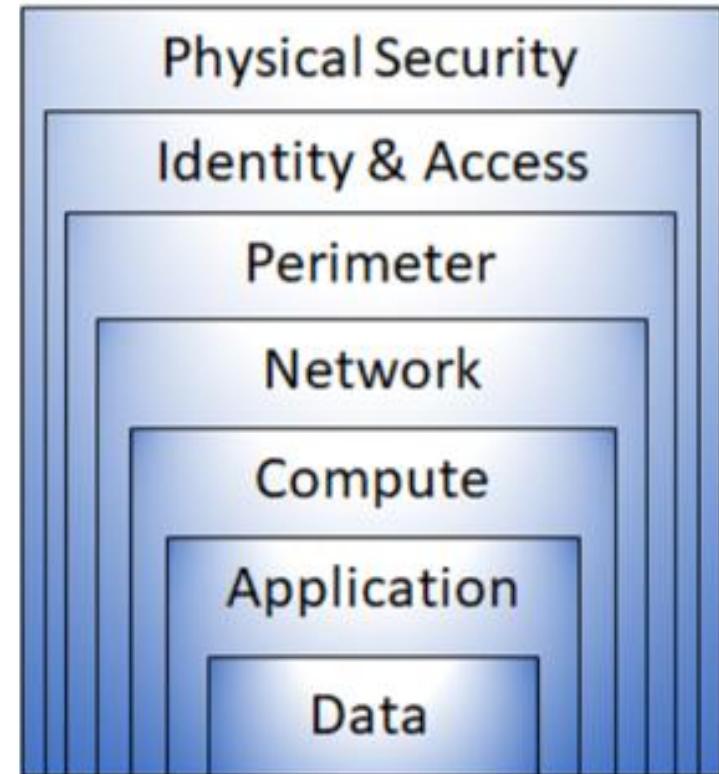
Describe the capabilities of Microsoft Entra 25-30%

Describe the capabilities of Microsoft security solutions 35-40%

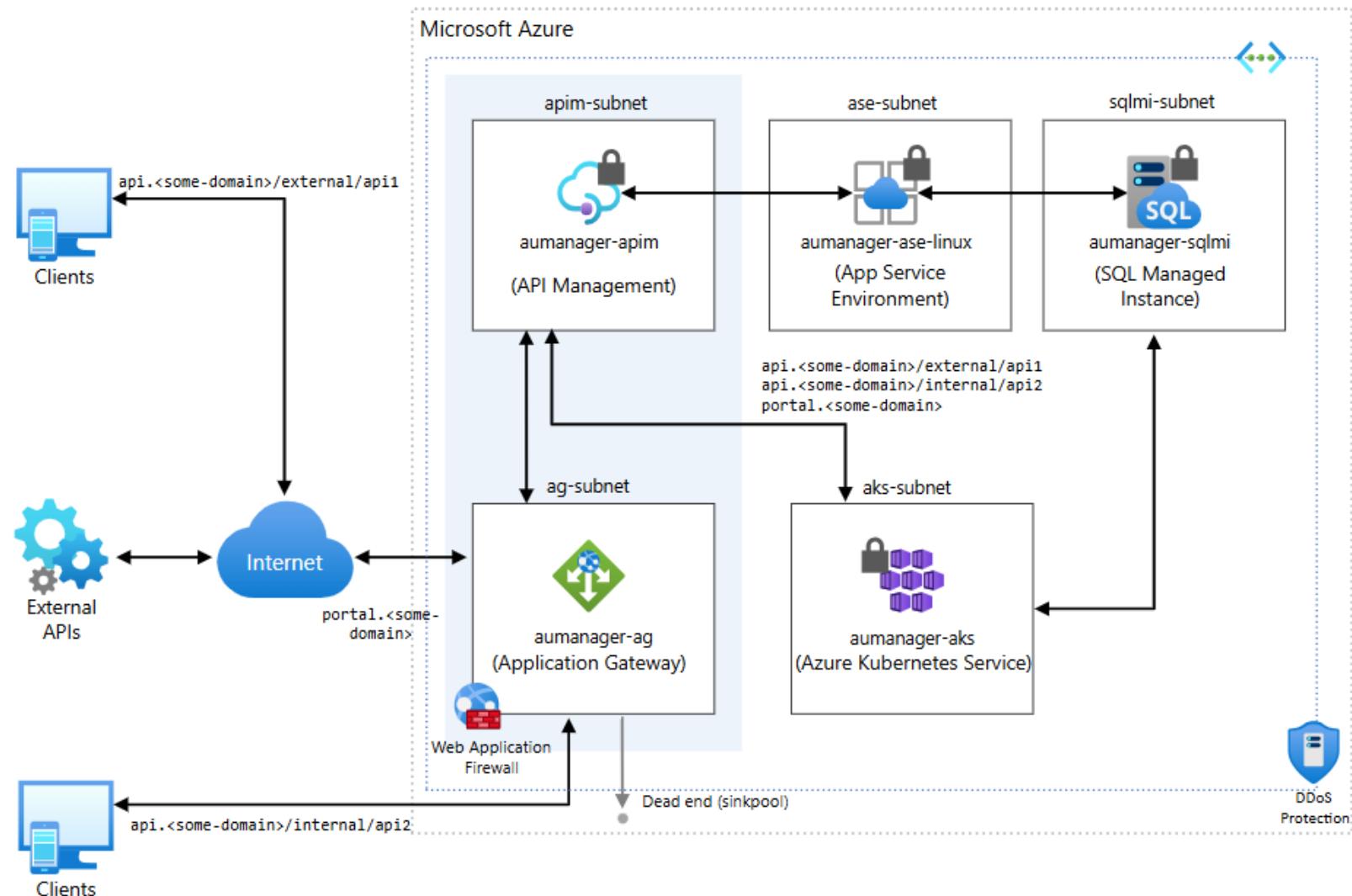
Describe the capabilities of Microsoft compliance solutions 20-25%

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

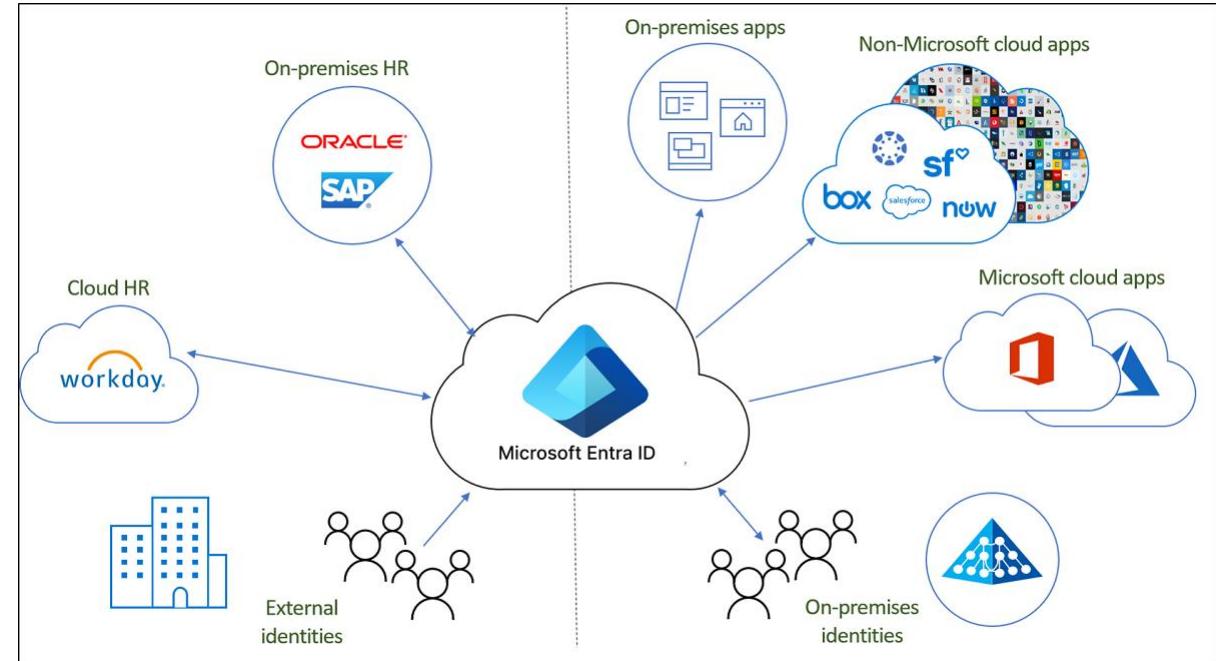


Review: Protecting APIs



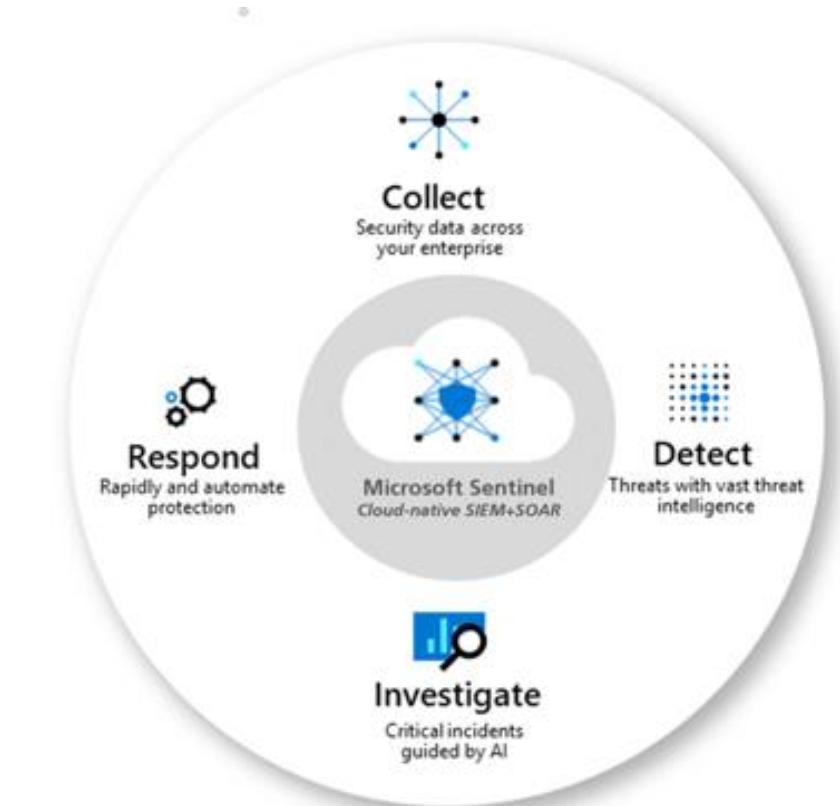
Describe the capabilities of Microsoft Entra

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

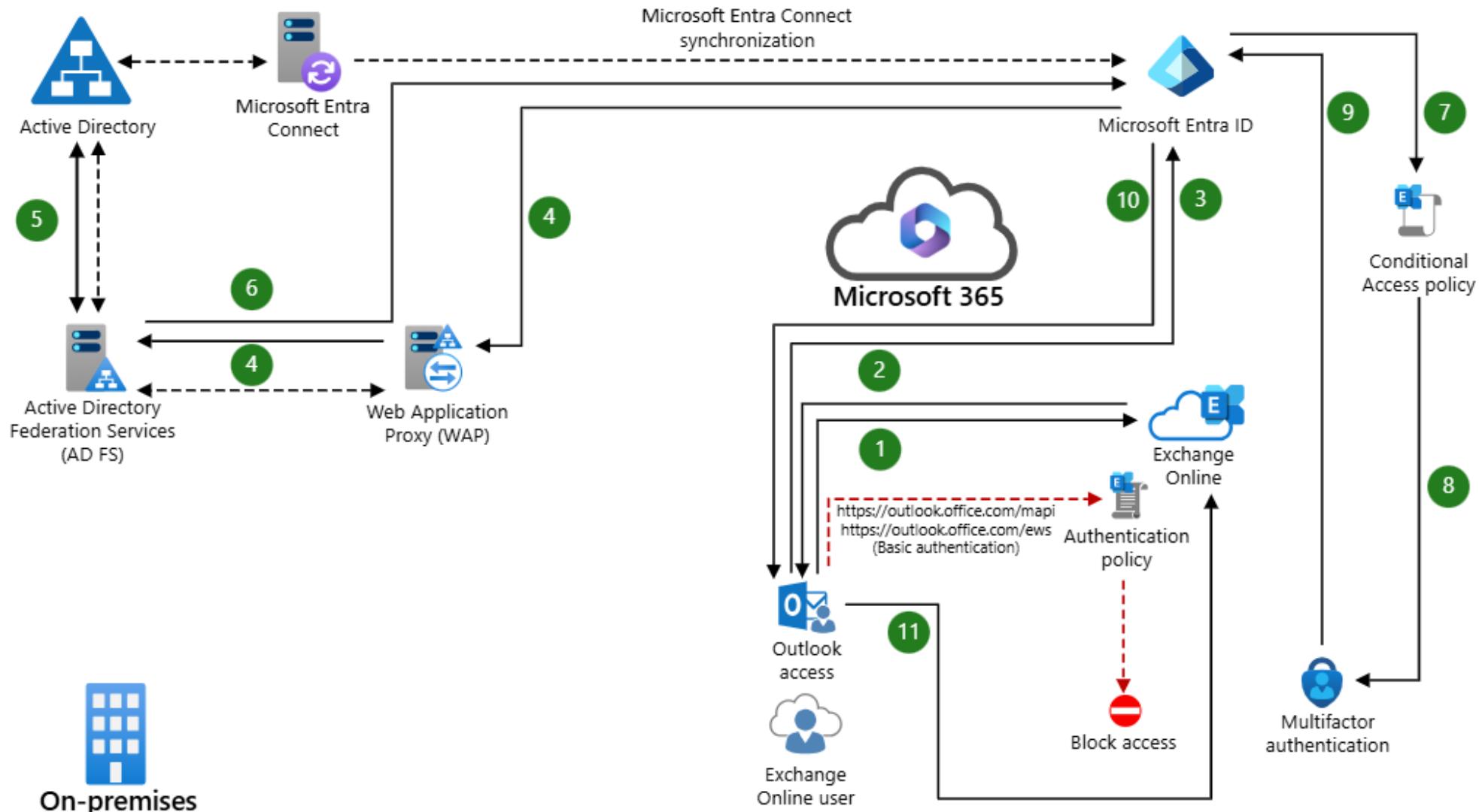


Describe the capabilities of Microsoft security solutions

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

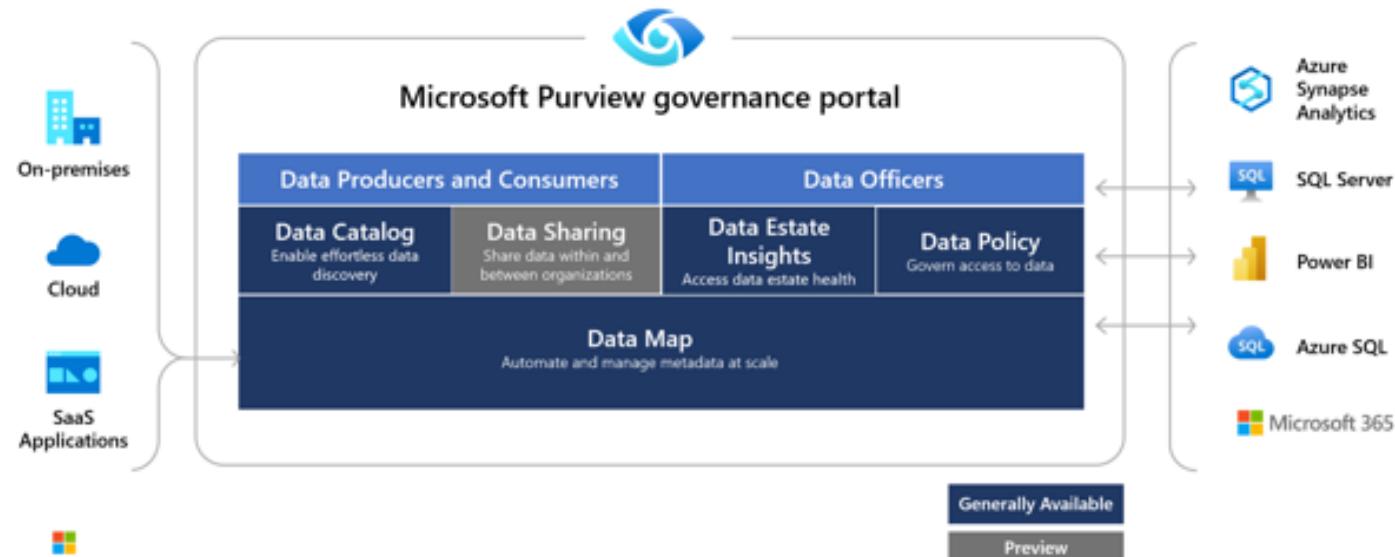


Review: Enhanced-security hybrid messaging infrastructure

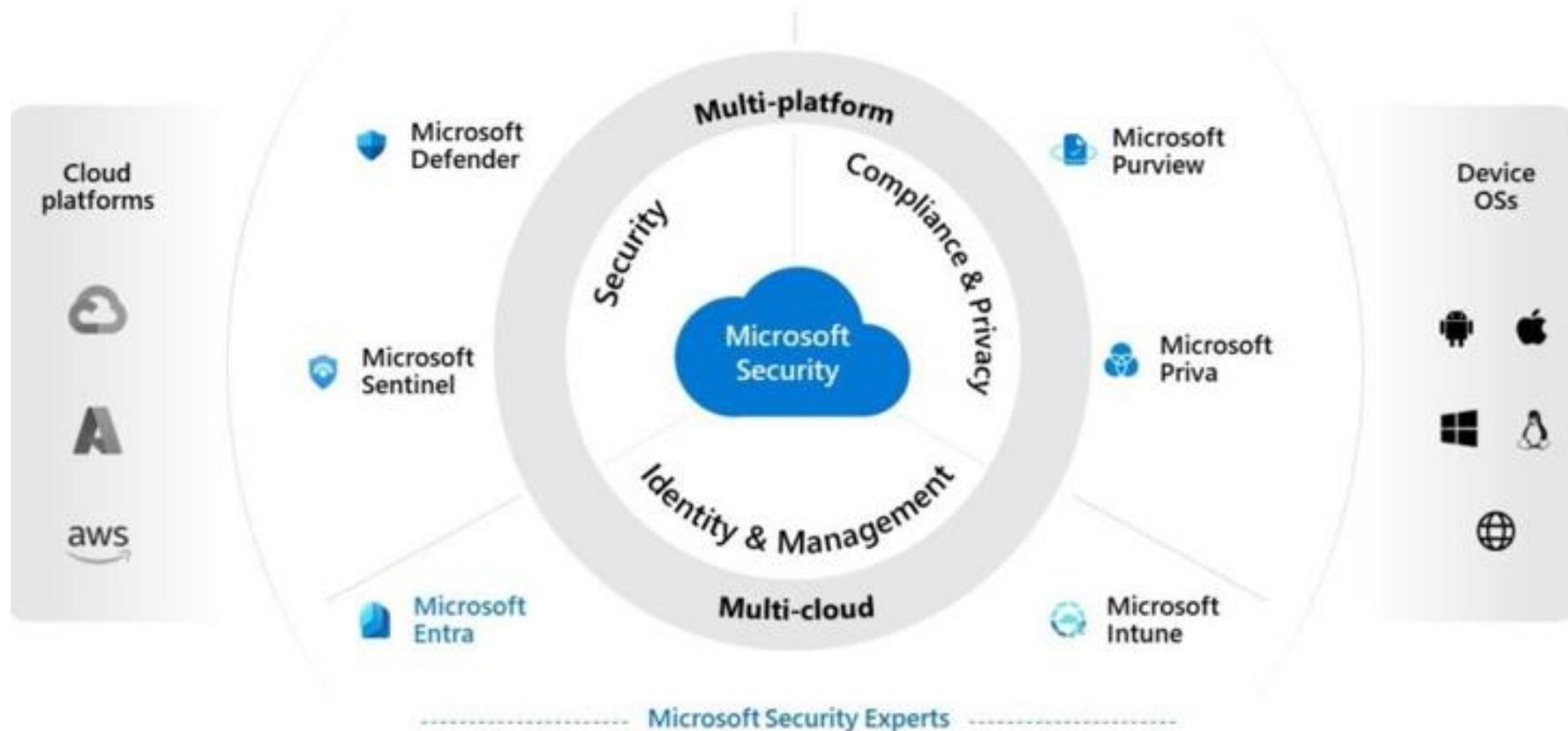


Describe the capabilities of Microsoft compliance solutions

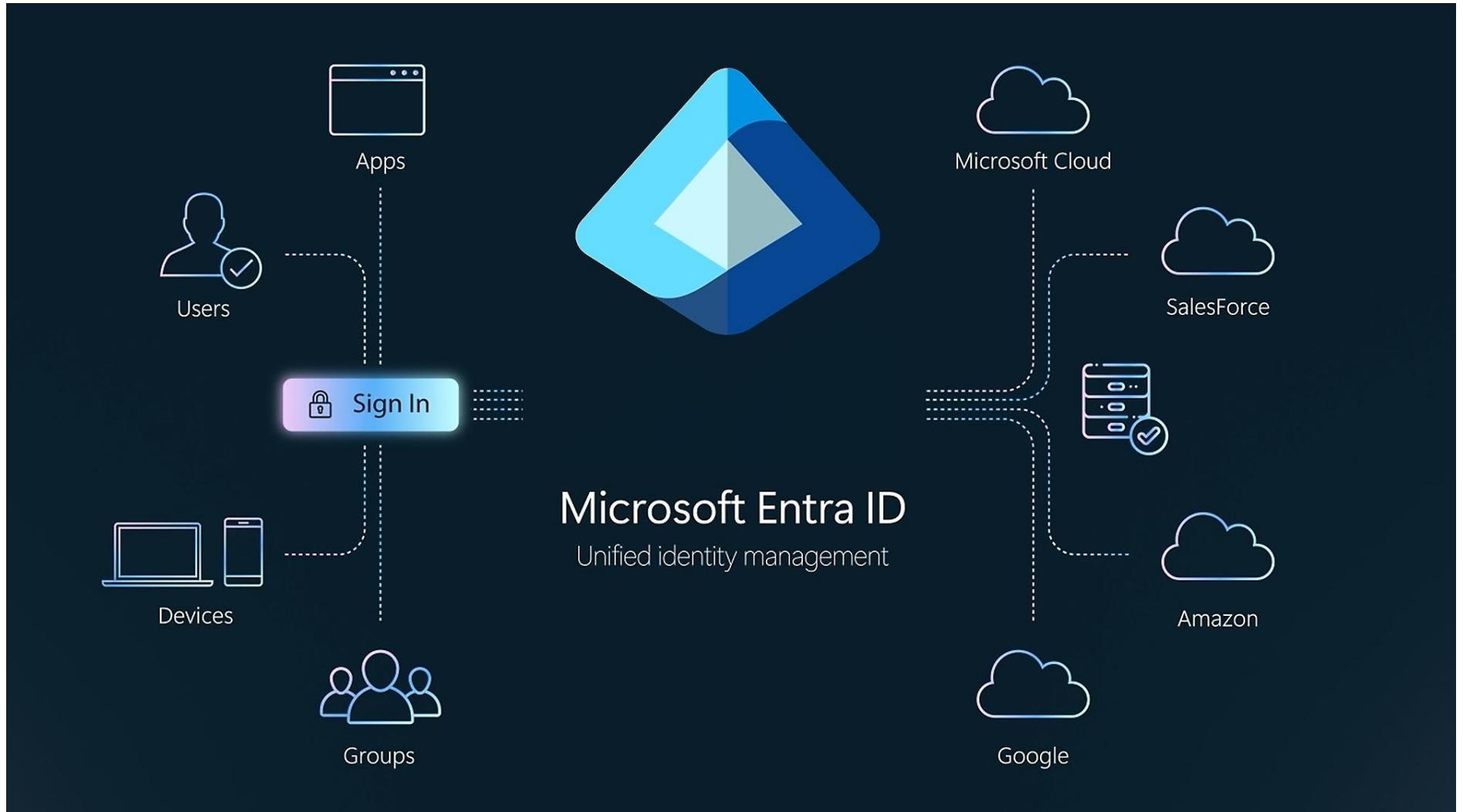
- Service Trust portal and privacy capabilities
- Compliance management capabilities in Microsoft Purview
- Insider risk capabilities in Microsoft Purview
- eDiscovery and audit capabilities
- Other capabilities in Microsoft Purview



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 \(A-Z\)](#) 

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

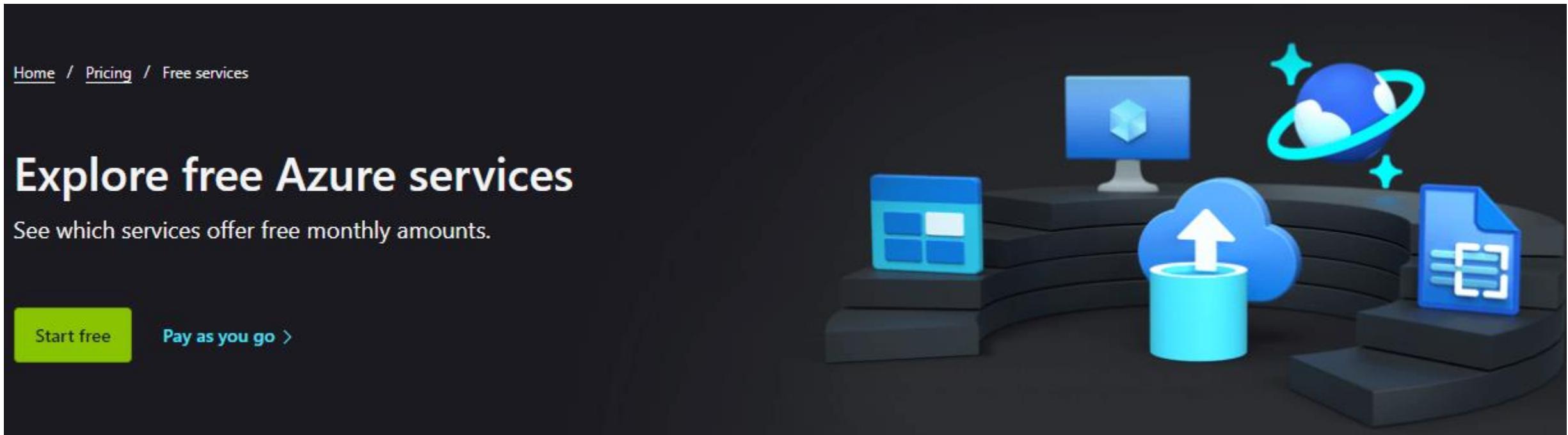
Learning resources for SC-900 exam

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



Azure always free resources

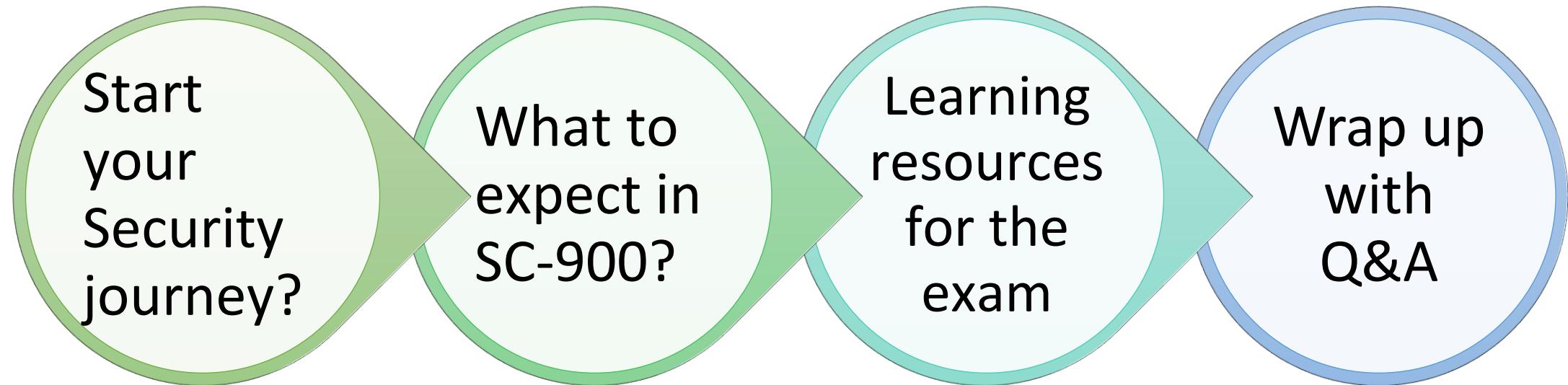
- Azure free subscription
- Always free 40+ services



The screenshot shows the Azure Free Services landing page. At the top, there's a navigation bar with links to Home, Pricing, and Free services. Below that, a large heading says "Explore free Azure services" with a subtext "See which services offer free monthly amounts." There are two buttons: a green "Start free" button and a blue "Pay as you go >" button. To the right, there's a decorative graphic featuring a stack of dark grey rectangular blocks. On top of these blocks are several light blue icons: a server rack, a computer monitor with a cube, a cloud with an upward arrow, a file folder, and a planet with a ring.



What we covered



What is next?

#Microsoft SC-900 Exam details



MS Learn modules on SC-900



New #CloudMarathoner YT channel



Thank you !



CYBER
BACK TO
SCHOOL

<https://cyberbacktoschool.com/>

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

<https://theCloudMarathoner.com> 🌃🏃‍♂️🏃‍♀️