



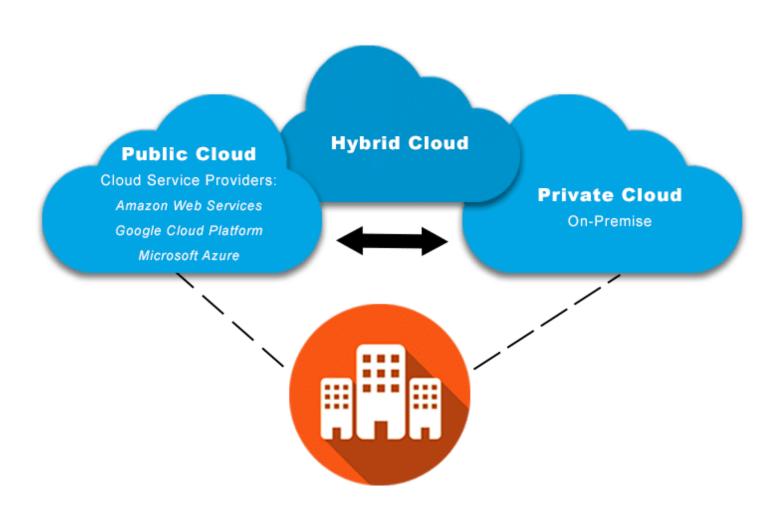
GOL Learning Session

07/09/2022 Azure Cloud Security Who IAM
Eve Kilel
Program Manager
Cloud Security

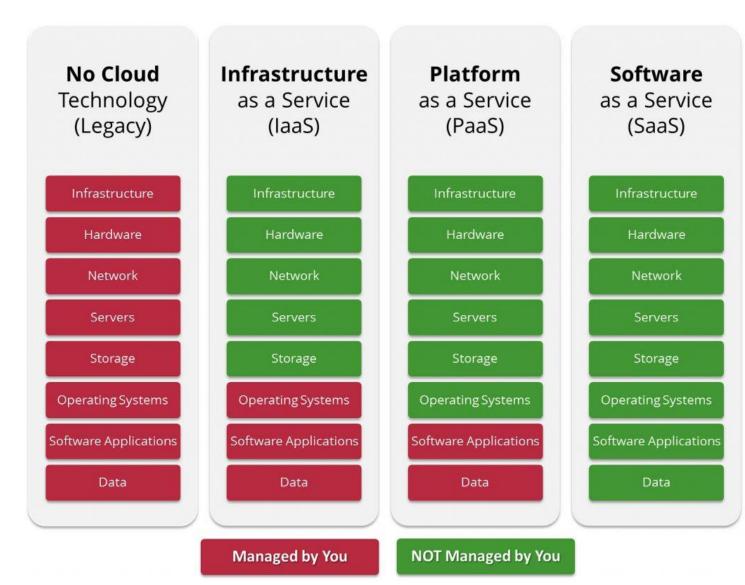
What is Cloud Computing?

This is the delivery of computing services—including servers, storage, databases, networking, software, analytics, and intelligence—over the Internet ("the cloud") to offer faster innovation, flexible resources, and economies of scale.

Types of Cloud Computing



Cloud Platform Shared Responsibility Model



Benefits of Cloud Computing



Cost



Global Scale



Performance



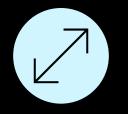
Security



Speed



Productivity



Relaibility

Types of cloud services







Platform as a service (PaaS)



Serverless computing

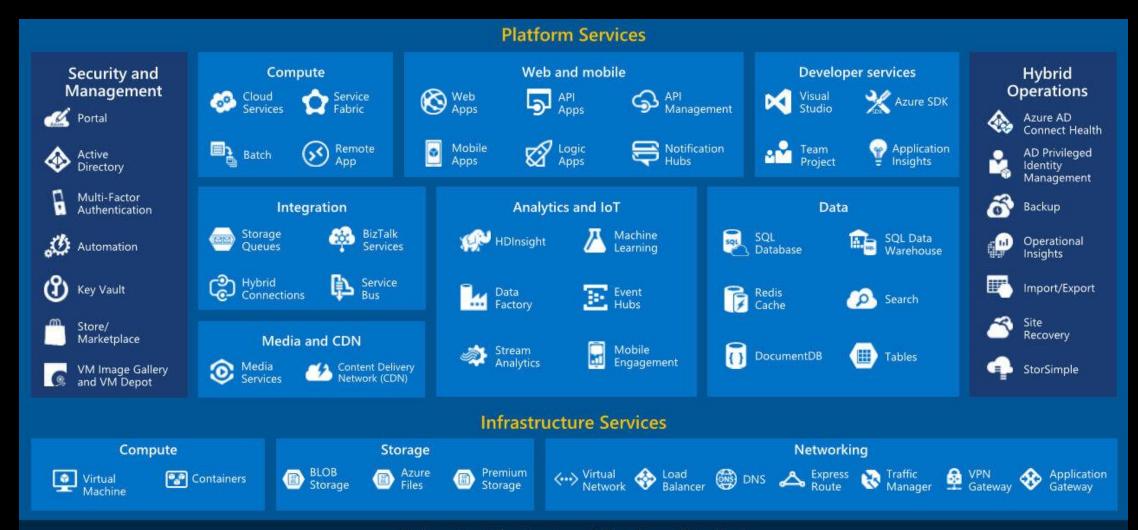


Software as a service (SaaS)

Uses of cloud computing

Create cloud-native applications
Test and build applications
Store, back up, and recover data
Stream audio and video
Analyze data
Embed intelligence
Deliver software on demand

Services on Azure



Getting Started: Azure for Students Account

All you need is your university email to sign up

Go to: https://azure.microsoft.com/en-us/free/students/

Start with \$100 Azure credit

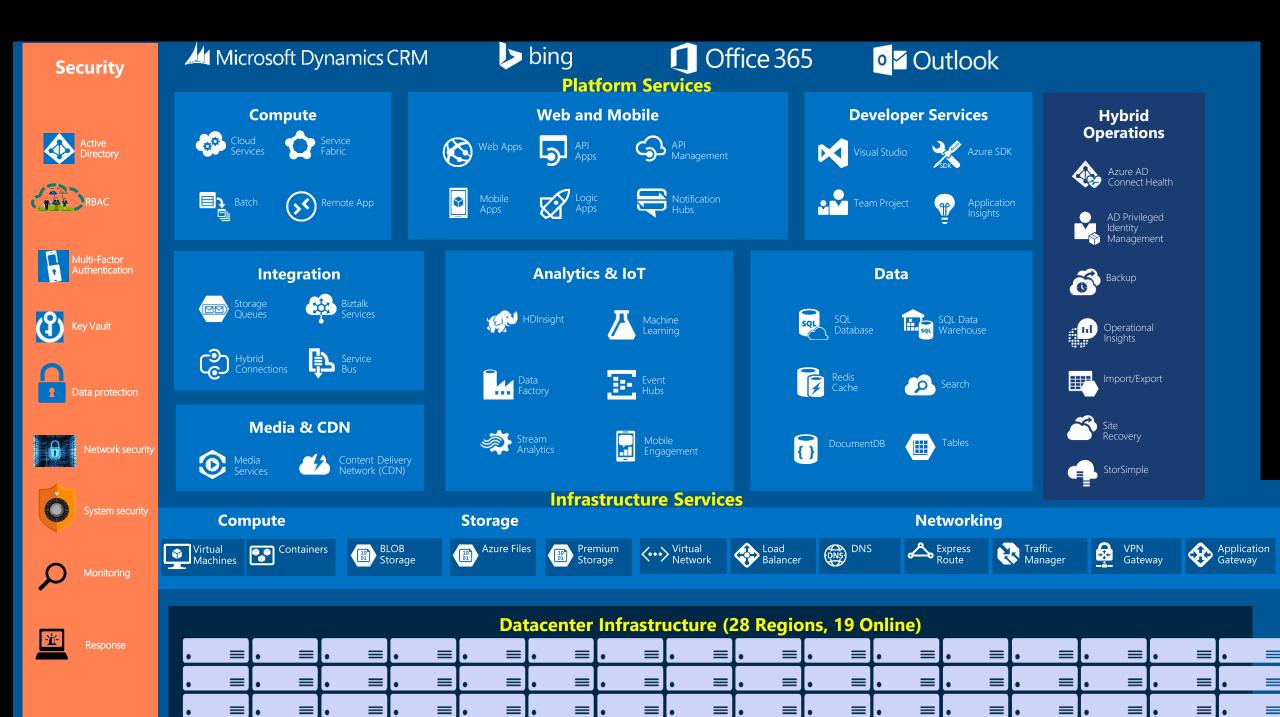
No credit card required



Free services

Get popular services free while you have your credit.

Microsoft Intelligent Cloud Security



Microsoft Threat Protection

A comprehensive, seamlessly integrated solution providing end-to-end security for your organization.



Trusted Cloud Principles

Commitment to principles worthy of your organization's trust





Security





We will explain what we do with your data in clear, plain language.









We will help you meet your specific compliance needs.

We will provide you with control over your data to help keep it private.

We will implement strong security measures to safeguard your data.

Assume and Prevent Breach Execution

Red Team | Prevent Breach

Code review (>) Security development lifecycle (SDL)

- Threat model

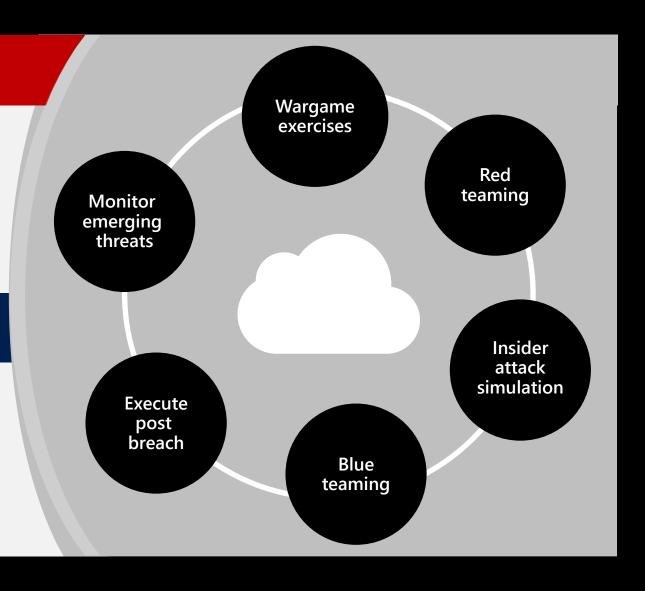
Security testing

Blue Team | Assume Breach

- War game exercises (→)

Live site penetration test

Central security monitors



PROTECT

Security Development Lifecycle

Network security

User security

Data and key security

System security



DETECT

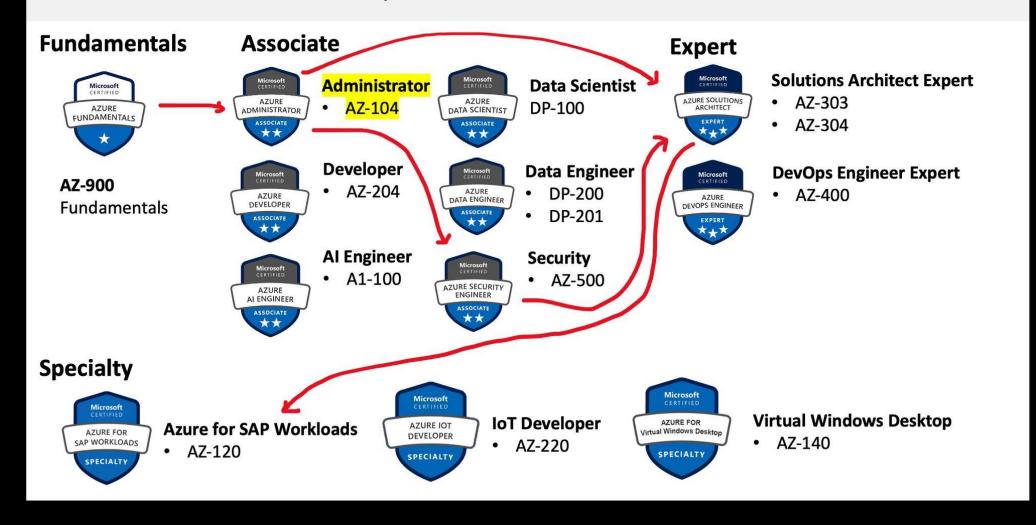
Auditing and Certification
Live Site Penetration Testing
Centralized Logging and Monitoring
Fraud and Abuse Detection

RESPOND

Breach Containment
Coordinated Security Response
Customer Notification

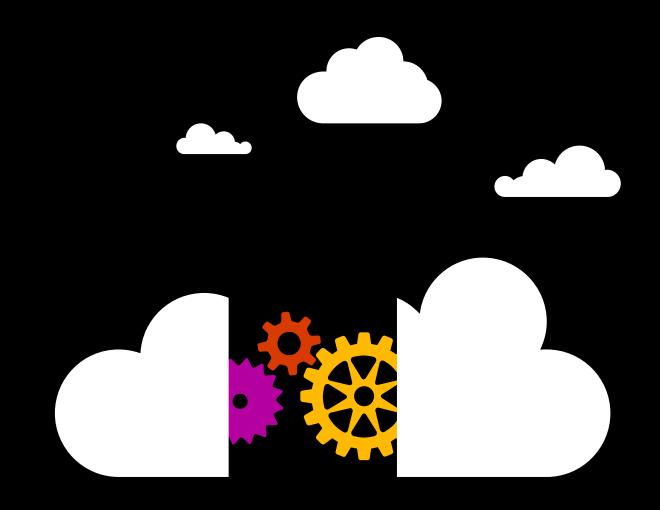
Certification Paths

The Azure Roadmap



Microsoft Azure Careers:

- Azure Administrator.
- Azure Developer.
- Azure Solution architect.
- Azure Consultant.
- Azure Data Scientist.
- Azure Networking Specialist





Azure Portal Demo Time



Thank You