Microsoft

CRUI
Conferenza dei Rettori
delle Università Italiane

Enterprise Skills Initiative (ESI) 2020-2021

Il programma Microsoft di formazione e certificazione disponibile per gli Enti aderenti alla Convenzione CRUI

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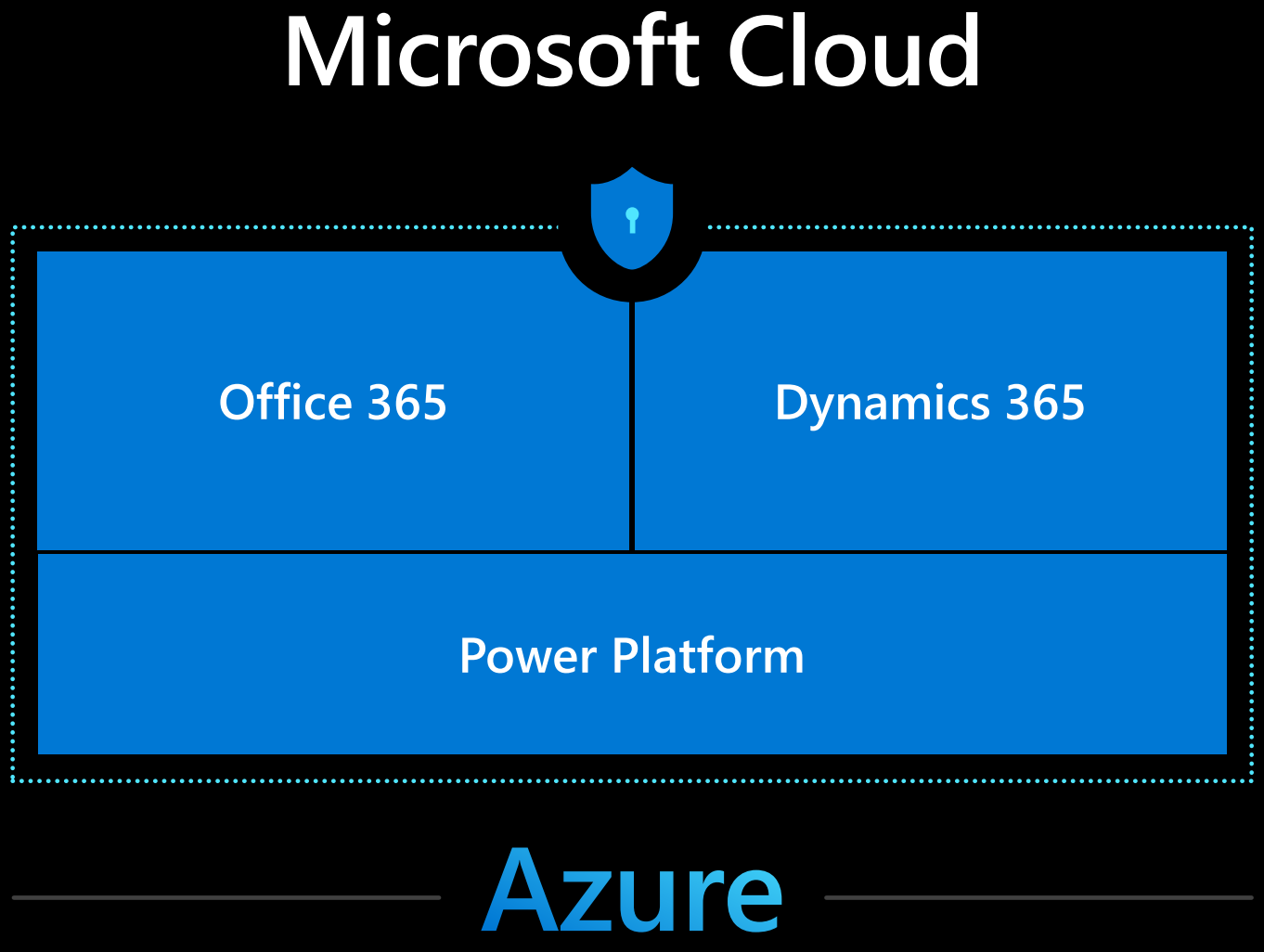
Obiettivo di oggi

- Introduzione
- Il programma «Enterprise Skills Initiative» ESI per CRUI
  - Contenuti e learning benefit
- I Learning Partner nel programma ESI
- Azure e i percorsi di Formazione e Certificazione
- Demo Learner Experience Portal
- Program Policy
- Q&A


Microsoft Cloud
Office 365
Dynamics 365
Power Platform
Azure

What is Azure?

Edge Devices

Azure Stack Hub | Azure Stack Edge | Azure Sphere | Azure Kinect | HoloLens

Serverless

Web
Mobile
Mixed Reality
Containers
Events + Integration

Databases
Analytics
AI + Machine Learning
Internet of Things
Media

Infrastructure

Compute | Networking | Storage | Security | Identity

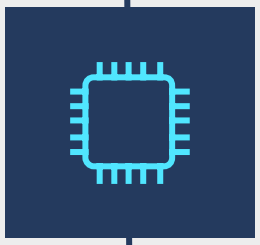
Tools

Visual Studio
GitHub
Power Apps
Power BI

Tech intensity

Tech capability

To be successful in today's economy, you need to digitally transform



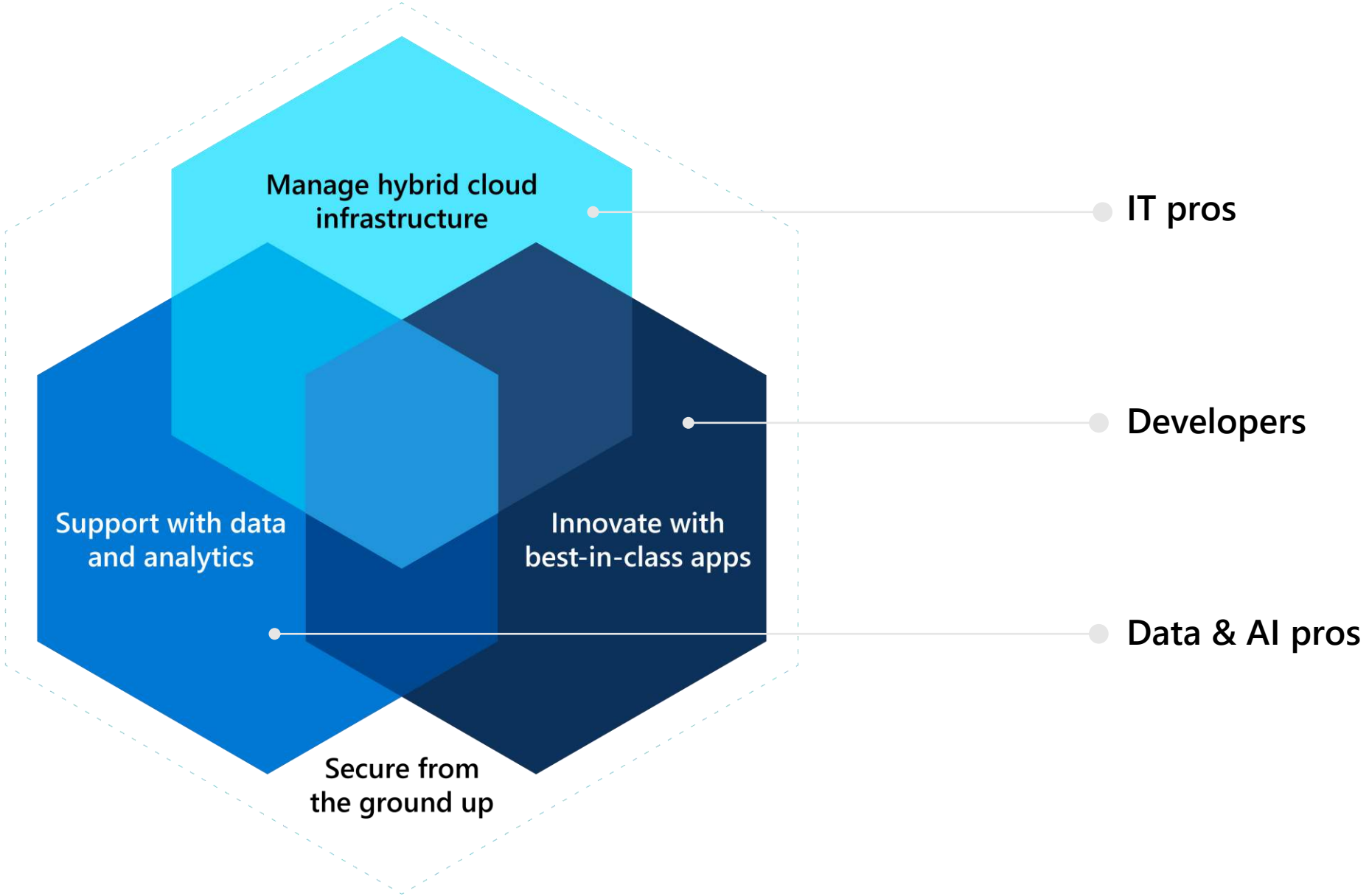
Tech adoption

The more familiar you are with a product, the more you use it

Tech confidence

Skills build confidence; confidence drives productivity, innovation and growth

Azure certifications build skills intensity



Azure skills and certifications can boost grads' salary potential

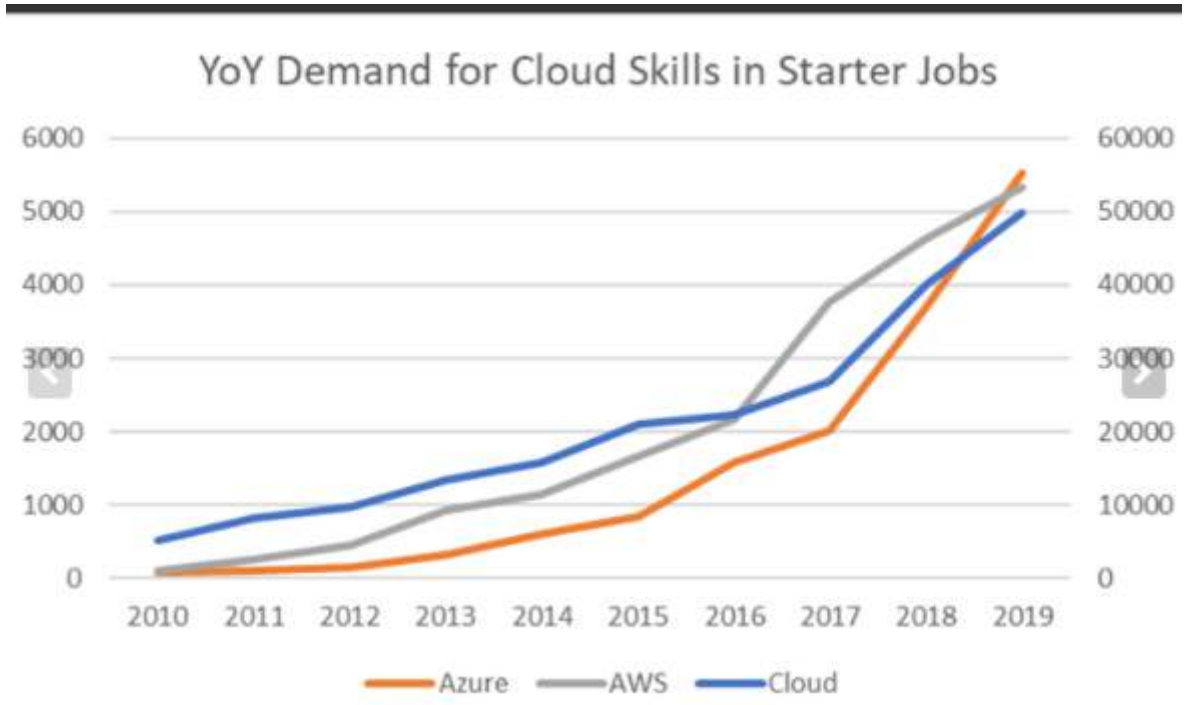


Figure 1. Year-over-year demand trends for cloud skills. (Source: Analytics compiled through Labor Insights from Burning Glass, evaluating jobs in the United States requiring zero to two years of experience and skills in Azure, AWS, or the cloud in general.)

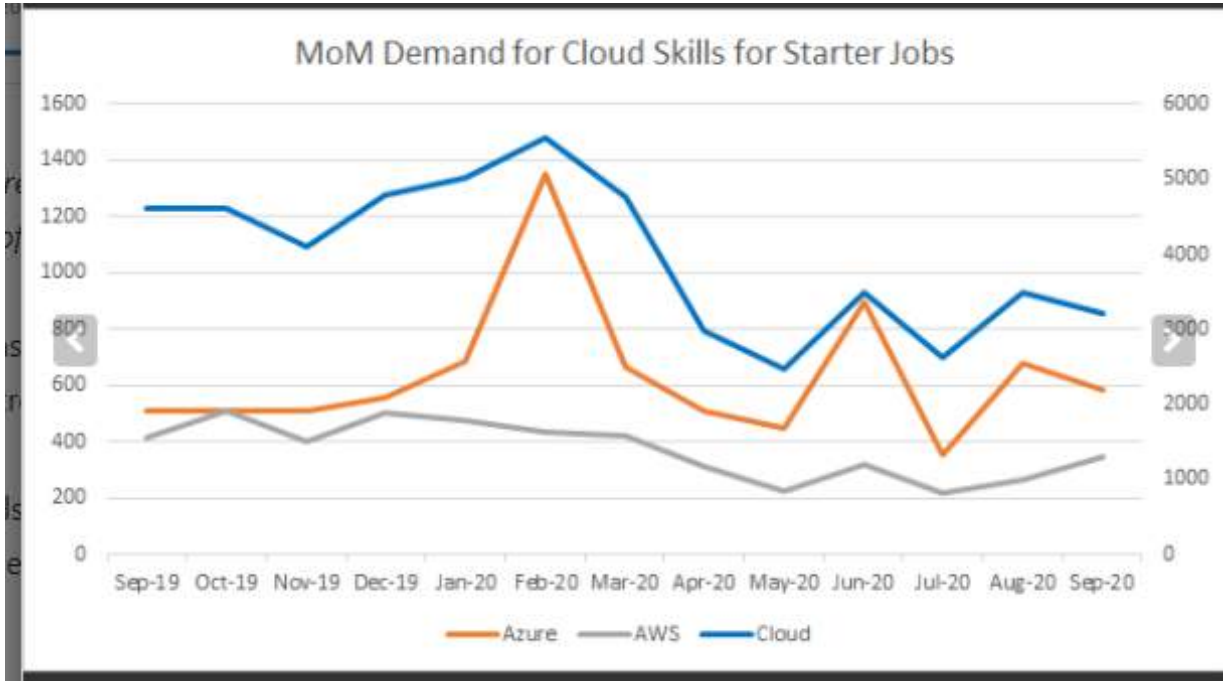
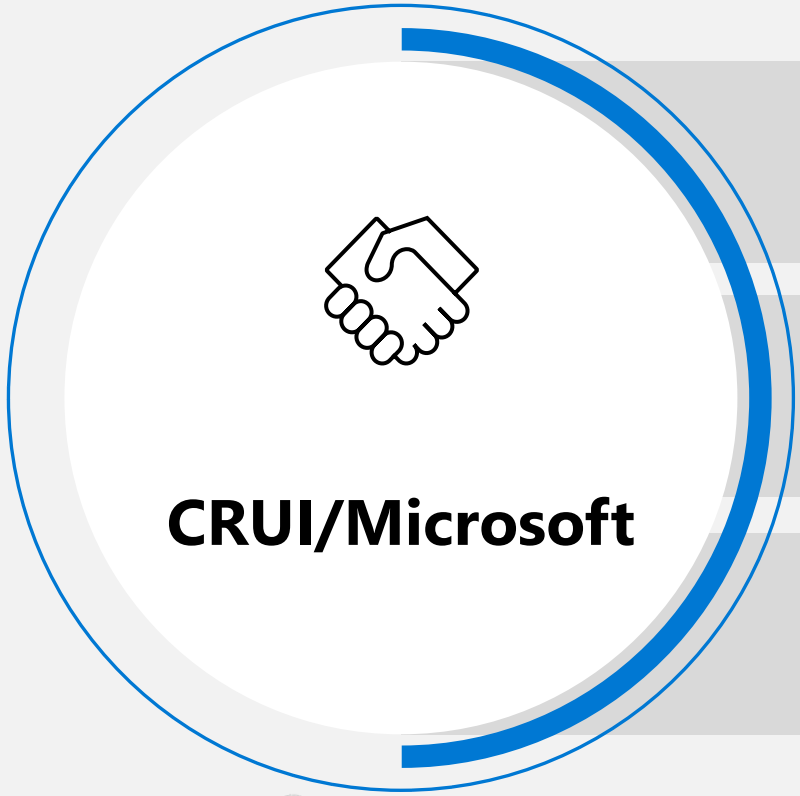


Figure 2. Month-over-month (MoM) demand trends for cloud skills for the past year. (Source: Analytics compiled through Labor Insights from Burning Glass, evaluating jobs in the United States requiring zero to two years of experience and skills in Azure, AWS, or the cloud in general.)

Il programma Enterprise Skills Initiative per CRUI

Programma dedicato allo sviluppo di competenze tecniche attraverso un'esperienza di formazione e certificazione digitale



Costruire competenze per guidare la trasformazione digitale in Cloud

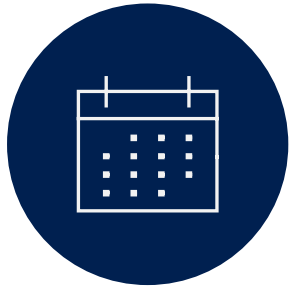
Esperienza di formazione digitale-first

Garantire la formazione tecnica con risorse gratuite e scontate per costruire piani di training e di certificazioni

Gli elementi del Programma ESI

Formazione completa

esperienze attraverso il self-study, giornate di formazione virtuale, la formazione avanzata con istruttore e la preparazione agli esami



Catalogo di Corsi

iscrizione aperta agli enti aderenti alla convenzione CRUI

lezioni erogate in oltre 10 lingue

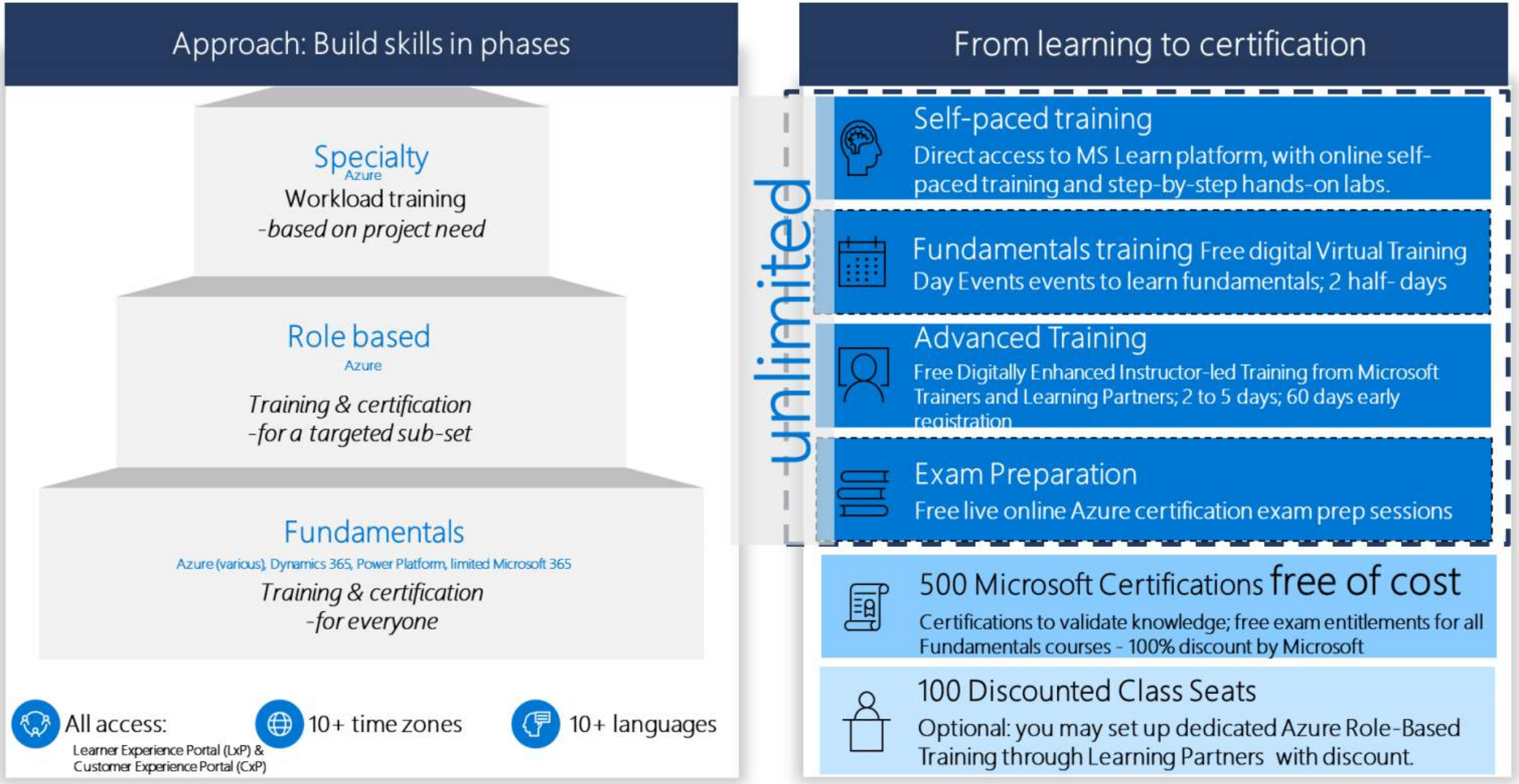
Facile accesso

i benefit del programma sono accessibili tramite un portale «learner Experience Portal» dedicato

Certificazione semplificata

tramite l'esperienza Microsoft "Get Certified"

ESI per CRUI – I Learning Benefits nel programma ESI



Benefits *Valid until 30/6/2021*

After accepting benefits, your organization has 150 days to consume their allotted DCS. After 150 days, any unused DCS will expire

Opportunità di Formazione messe a disposizione da Microsoft Learning Partner

When working with a Learning Partner, access:

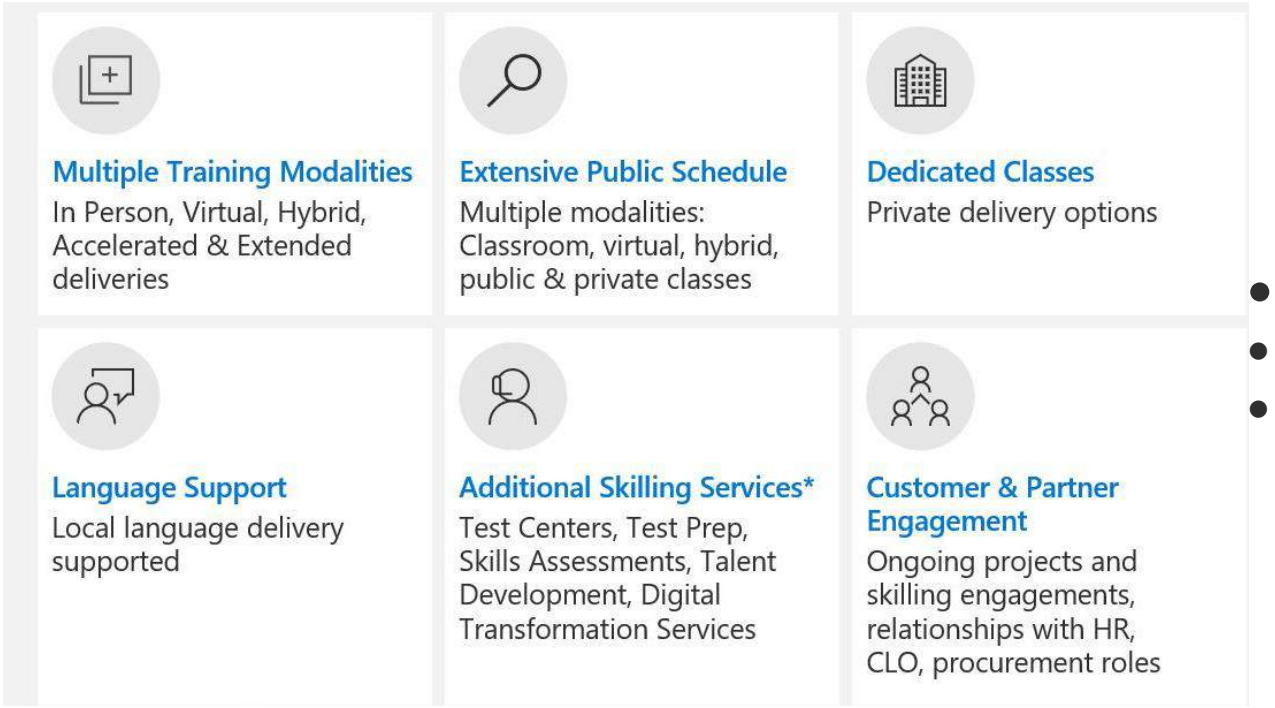
- Deep technical training using content created by Microsoft
- Virtual or **in-person** trainings delivered by Microsoft Certified Trainers
- **Customized learning plans** delivered in **local language**s

World-class training across the complete learning journey

Assess	• Pre-assessments • First look clinics • Mentoring & consulting
Learn and prepare	• Certification preparation • Role-based training • Bootcamps, cloud workshops, hackathons, hands-on labs
Validate	• Microsoft Certifications • Post-assessments

Up to 100 Discounted Class Seats

Optional: you may set up dedicated Azure Role-Based Training through Learning Partners



Sconto già attivo (*)

Per iscrizioni contattate direttamente il vostro Learning Partner di fiducia

Tariffe Migration Workshop e Fundamentals 2 days *	Tariffe Role-based e specialty training fee*
USD$300 per Studente	USD$600 per Studente

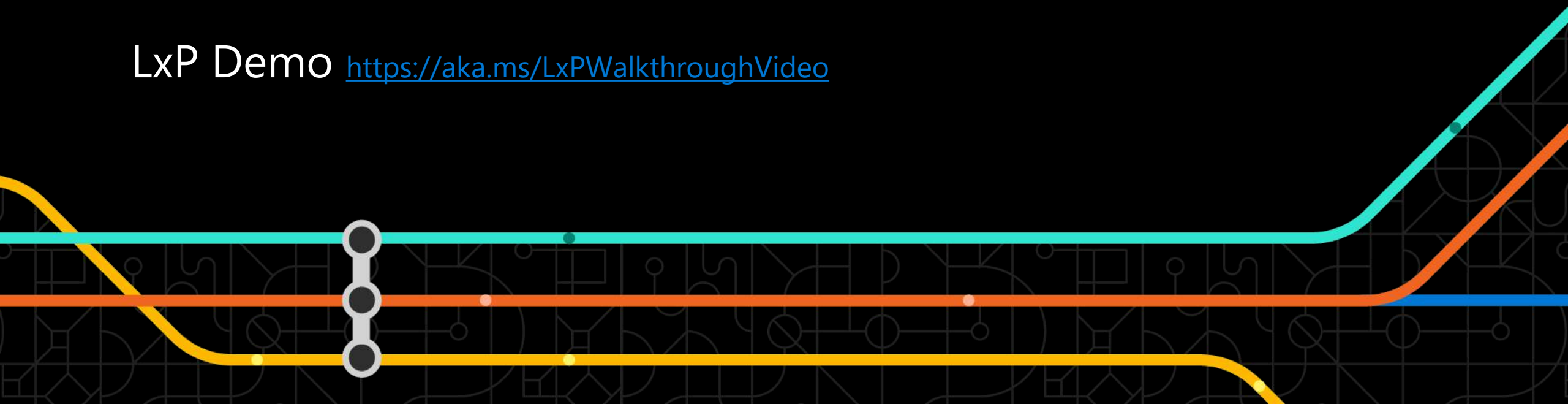
- Fast Lane – Danilo Spina <Danilo.Spina@flane.it>
- PCS Net - Ludovico Soccorsi <ludovicos@pcs.it>
- Pipeline (LLPA) - Ivan Patria <ivan.patria@pipeline.it>

**Verificate con il vostro Learning Partner eventuali tariffe aggiunitiver*

(*) I Discounted Class Seat devono essere consumati entro il 4/4/201. Dopo questa data tutti i DCS non utilizzati scadranno

Come accedere ai benefit ESI-CRUI
Il «Learner Experience Portal» LxP

LxP Demo https://aka.ms/LxPWalkthroughVideo



Come accedere ai learning benefit: LxP Overview

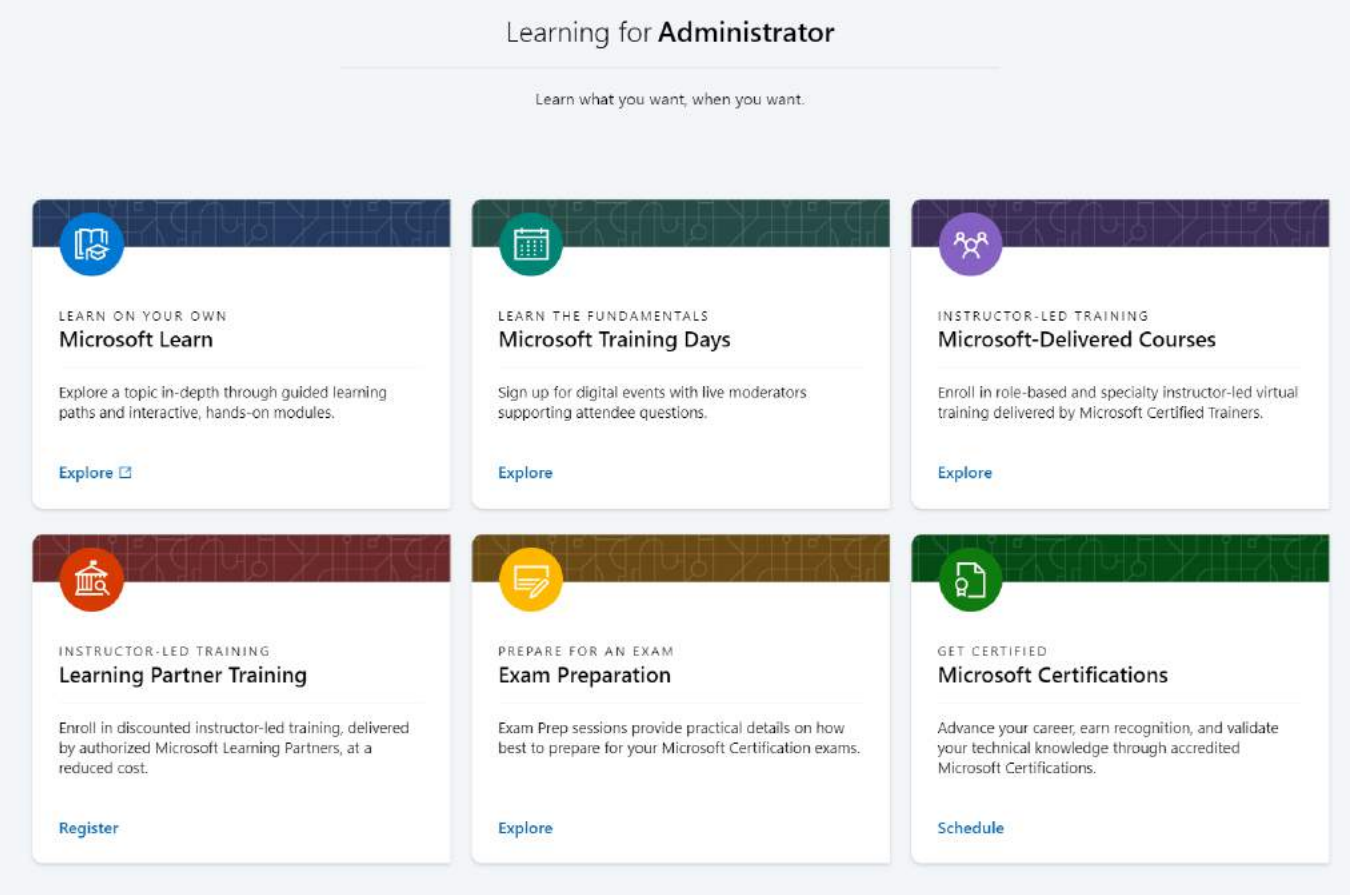
LxP **https://esi.microsoft.com**

LxP Demo https://aka.ms/LxPWalkthroughVideo

Iscrizione agli esami di certificazione 100% gratuiti direttamente tramite il tile “Microsoft Certifications”

Iscrizione ai corsi Microsoft gratuiti in programma, accesso al catalogo dei corsi Learning Partner, iscrizione alle sessioni di preparazione agli esami di Certificazione.

Accesso ai moduli self-paced disponibili su MS Learn



Customer Name	Dominio
AREA SCIENCE PARK	areasciencepark.it
Bologna Business School	bbs.unibo.it
CINECA	cineca.it
CIRA - Centro italiano ricerche aerospaziali	cira.it
Consortium GARR	garr.it
D.RE.A.M. FabLab - Città della Scienza	cittadellascienza.it
EUI - Istituto universitario europeo	eui.eu
FBK - Fondazione Bruno Kessler	fbk.eu
Fondazione CRUI	fondazionecrui.it
Fondazione Human Technopole	humantechnopole.it
Fondazione LINKS	linksfoundation.com
FONDAZIONE POLICLINICO UNIVERSITARIO A. GEMELLI	policlinicogemelli.it
GSSI - Gran Sasso Science Institute	gssi.it
INAF - Istituto Nazionale di Astrofisica	inaf.it
INFN - Istituto Nazionale di Fisica Nucleare	infn.it
INVALSI	invalsi.it
Istituto Italiano di Tecnologia	iit.it
Istituto Superiore di Sanità	iss.it
John Cabot University	johncabot.edu
Libera Università di Bolzano	unibz.it
LUISS - Libera Università Internazionale degli Studi Sociali "Guido Ca	luiss.it
Politecnico di Bari	poliba.it
Politecnico di Milano	polimi.it
Politecnico di Torino	polito.it

In caso di problemi tecnici nell'accesso contattare

[ESI support - https://esisupport.microsoft.com/](https://esisupport.microsoft.com/)

L'accesso al portale https://esi.microsoft.com è attivo per i seguenti domini (2)

Università degli Studi di Catania	unict.it
Università degli Studi di Firenze	unifi.it
Università degli Studi di Foggia	unifg.it
Università degli Studi di Genova	unige.it
Università degli studi di Macerata	unimc.it
Universita' degli Studi di Napoli Parthenope	uniparthenope.it
Università degli Studi di Padova	unipd.it
Università degli Studi di Palermo	unipa.it
Università degli Studi di Parma	unipr.it
Università degli Studi di Pavia	unipv.it
Università degli Studi di Roma Foro Italico	uniroma4.it
Università degli Studi di Roma Tor Vergata	uniroma2.eu
Università degli Studi di Salerno	unisa.it
Università degli Studi di Siena	unisi.it
Università degli Studi di Trieste	units.it
Università degli Studi di Udine	uniud.it
Università degli studi di Verona	univr.it
Università degli studi Internazionali di Roma	unint.eu
Università del Salento	unisalento.it
Università della Valle d'Aosta	univda.it
Università di Bologna	unibo.it
Università di Camerino	unicam.it
Università di comunicazione e lingue IULM	iulm.it
Università di Pisa	unipi.it
Università di Roma La Sapienza	uniroma1.it
Università di Torino	unito.it
Università di Urbino Carlo Bo	uniurb.it
Università per Stranieri di Siena	unistrasi.it

Università degli Studi di Napoli Federico II	unina.it
Universita' degli Studi di Napoli Parthenope	uniparthenope.it
Università degli Studi di Padova	unipd.it
Università degli Studi di Palermo	unipa.it
Università degli Studi di Parma	unipr.it
Università degli Studi di Pavia	unipv.it
Università degli Studi di Perugia	unipg.it
Università degli Studi di Roma Foro Italico	uniroma4.it
Università degli Studi di Roma Tor Vergata	uniroma2.eu
Università degli Studi di Salerno	unisa.it
Università degli Studi di Siena	unisi.it
Università degli Studi di Trento	unitn.it
Università degli Studi di Trieste	units.it
Università degli Studi di Udine	uniud.it
Università degli studi di Verona	univr.it
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Università di Bologna	unibo.it
Università di Camerino	unicam.it
Università di comunicazione e lingue IULM	iulm.it
Università di Milano-Bicocca	unimib.it
Università di Modena e Reggio Emilia	unimore.it
Università di Pisa	unipi.it
Università di Roma La Sapienza	uniroma1.it
Università di Torino	unito.it
Università di Urbino Carlo Bo	uniurb.it
Università Iuav di Venezia	iuav.it
Università per Stranieri di Siena	unistrasi.it
Università Politecnica delle Marche	univpm.it

It’s our learning journey

Primo passo: identificare il “Job Role”

Fundamentals
Foundational skills – *for everyone*

Role-based
Technical skills for a job – *for a targeted sub-set*

Specialty
Deep technical skills – *based on project needs*

Create your learning plan with these experiences

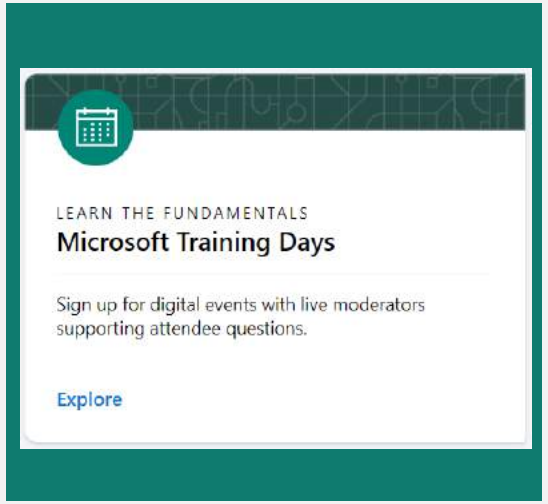
Self-paced
Begin with learning paths on Microsoft Learn, available as a free online resource

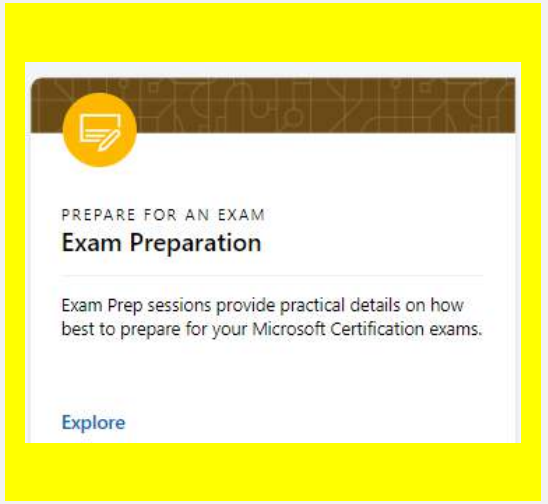
Fundamentals training
Attend free local training events to learn fundamentals or advanced workloads

Advanced Instructor-led training
Discover personalized deep training, delivered in-person or virtually by Microsoft Certified Trainers

Certification
Validate knowledge to solve real business problems

Esperienze di apprendimento illimitate da un punto di accesso unico - ESI Learner Experience Portal LxP





Microsoft Learn

Link diretto alla pagina MS Learn con formazione online atrutturata per ruolo o prodotto

Online learning paths

Microsoft Training Days

Corsi in aula virtuale con istruttori MS aperti a una platea allargata

Fundamentals training

Microsoft-Delivered Courses

Corsi di formazione avanzati erogati da Microsoft Certified Trainers

Advanced training

Exam Prep

Sessioni dedicate alla preparazione degli esami - erogate da MCT

Certification training

L'iscrizione a tutti i corsi è illimitata, in modalità «**first-in first-served**»

Gli altri Learning benefit nel programma (limitati)

Certificazioni

Fino a **500** esami di certificazione Fundamentals e Avanzate

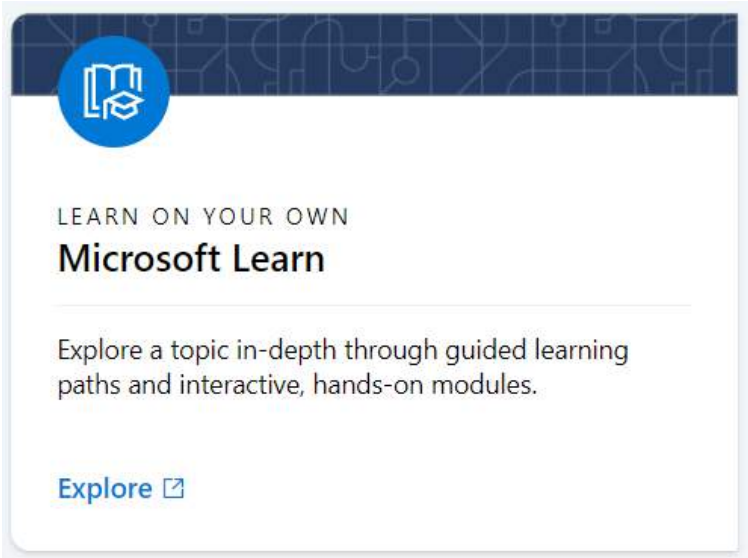
Learning Partner Training

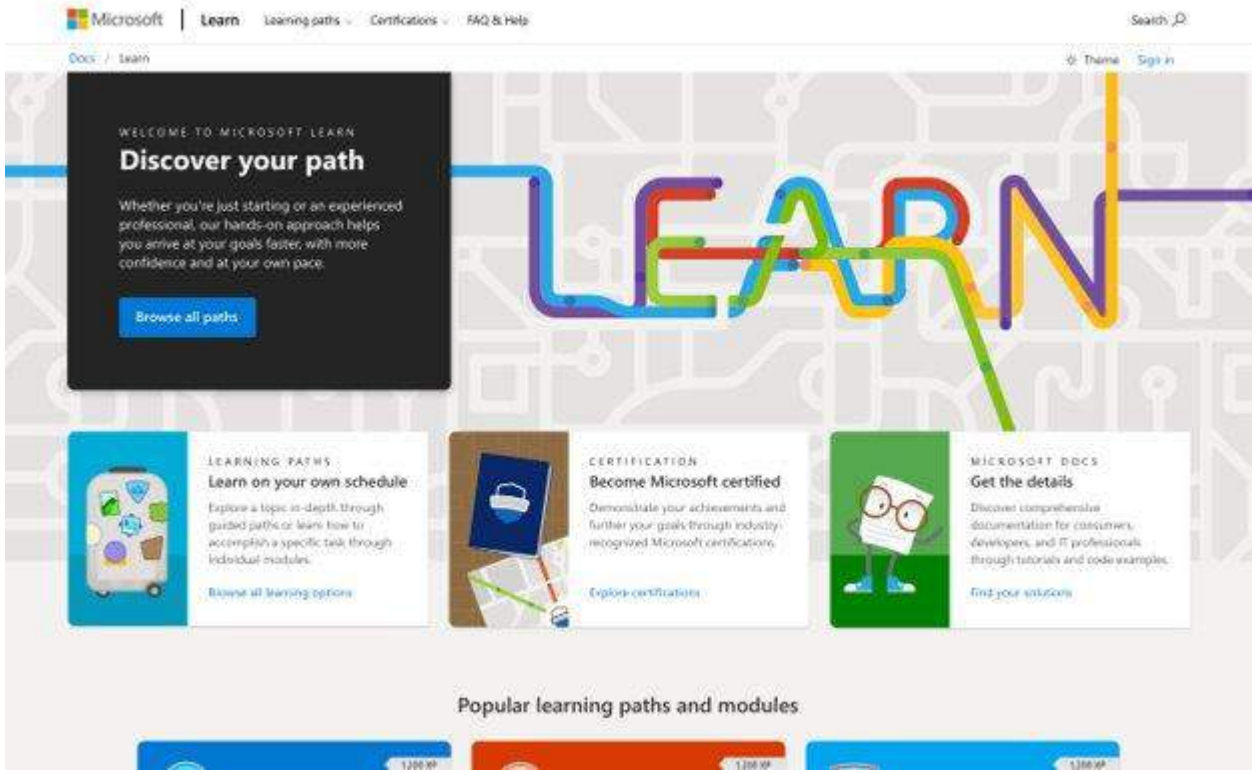
Fino a **100** posti scontati in totale utilizzabili per i corsi in Italiano o private organizzati dai Learning Partner in ESI

Self-paced training – Unlimited Access

Free online access to MS Learn platform, with self-paced training and step-by-step hands-on labs.

t Learn tile



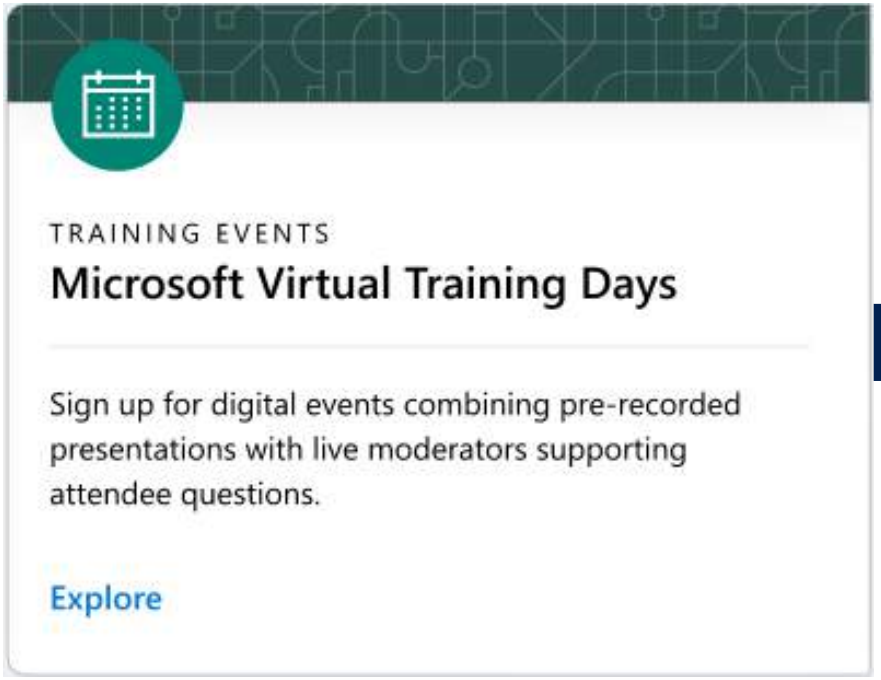


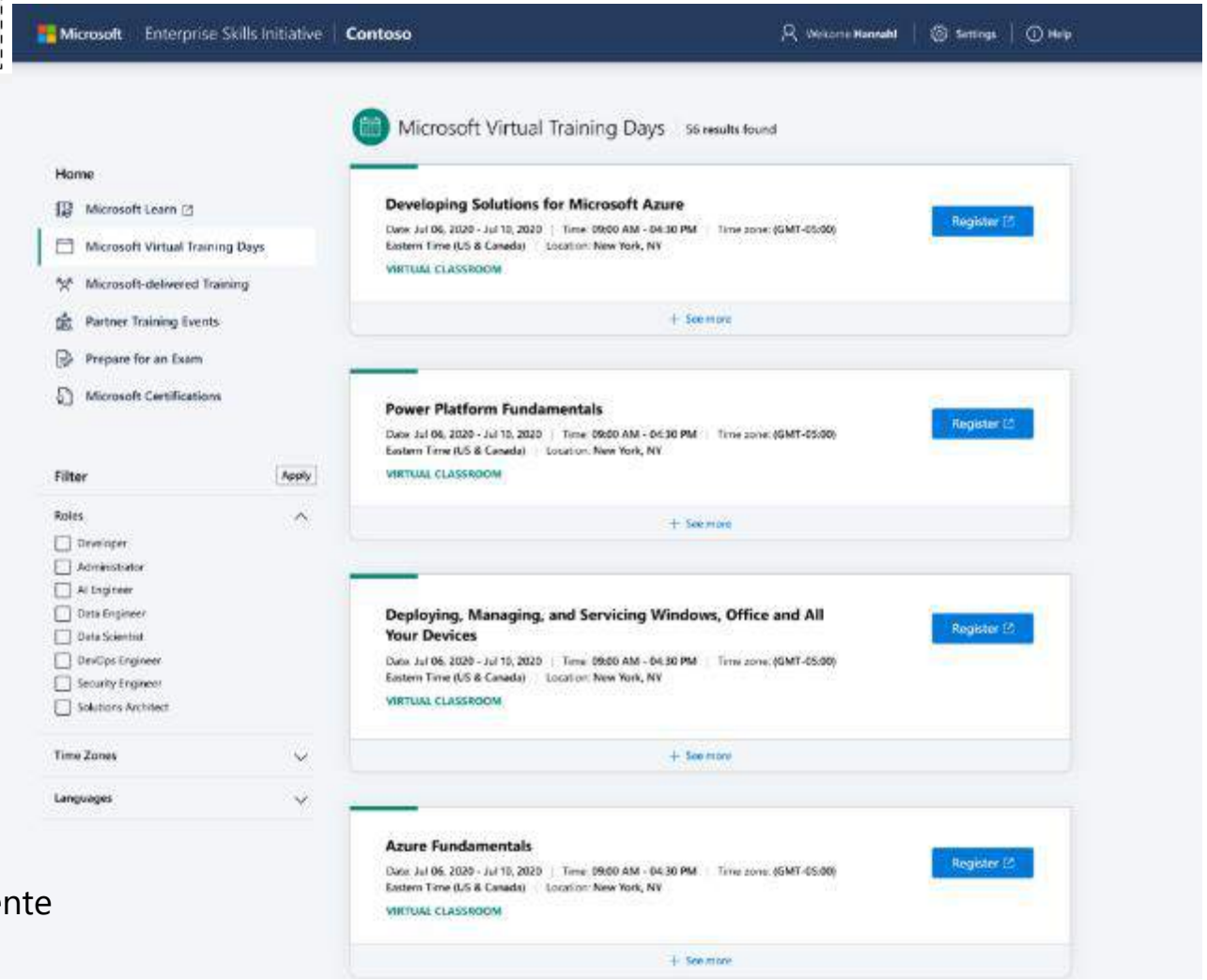
- Guided microlearning by product/service, difficulty, job role, etc
- Videos, tutorials, and hands-on learning
- Role-based learning paths to prepare for certification
- Students dedicated Learning Paths

Microsoft Virtual Training Days tile

Fundamentals training Unlimited Access

Free digital events to learn fundamentals





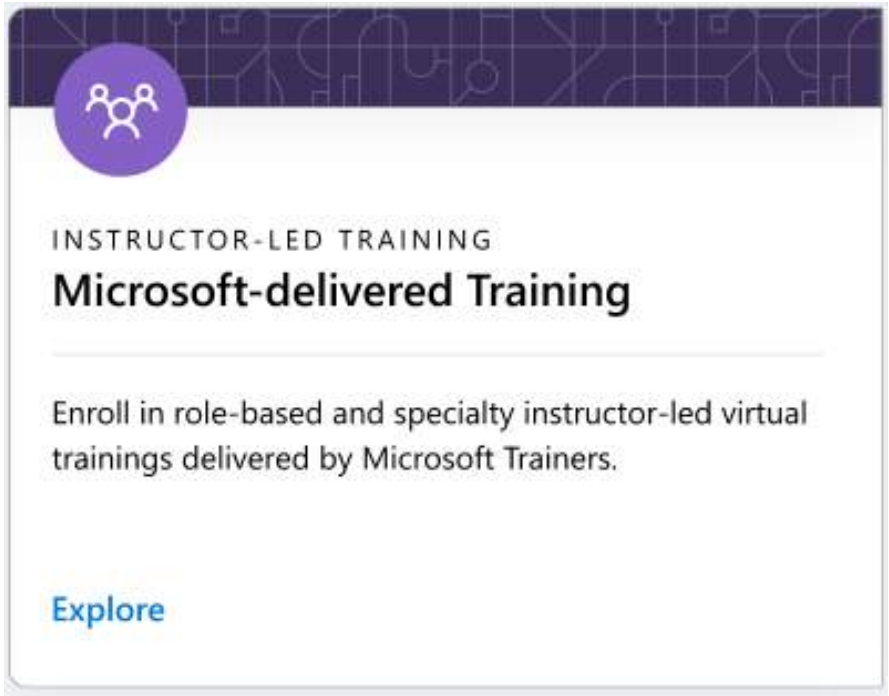
- Iscrizioni illimitate (first-in first served)
- Training via Teams live – interazione via chat col docente
- Azure Fundamentals in Italiano
- Data, AI e altri Fundamentals in inglese

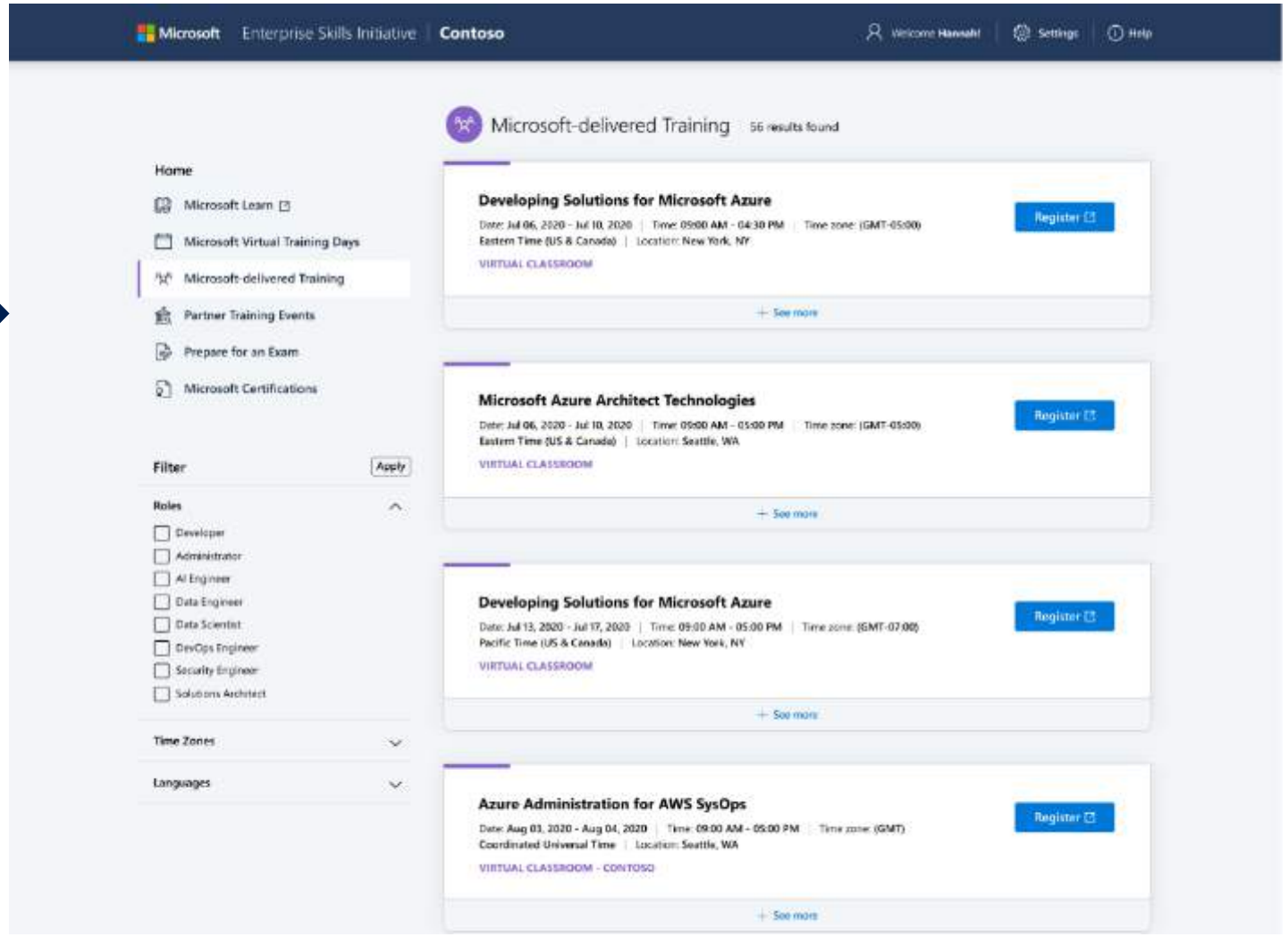
Tutti i partecipanti ricevono uno sconto per sostenere l'esame gratuitamente

Advanced Role-Based Training - Unlimited Access, 60 days advanced registration Free Digitally

Enhanced Instructor-led Training from Microsoft Trainers and Learning Partners

-Microsoft-delivered Training tile





- Training dal vivo via Teams
- Azure Pass per esercitazioni (100$)
- Sessioni in Italiano e in altre lingue
- Verificare la disponibilità di posti prima di condividere i link per le iscrizioni

Prossime Sessioni in programma – pubblicate su LxP

Microsoft Virtual Training Days

Event name	Official Start Date/Time	Official End Date/Time	Registration URL
AZ-900- Microsoft Azure Fundamentals	**03/12/2020 09:30**	**04/12/2020 12:00**	**Register HERE**

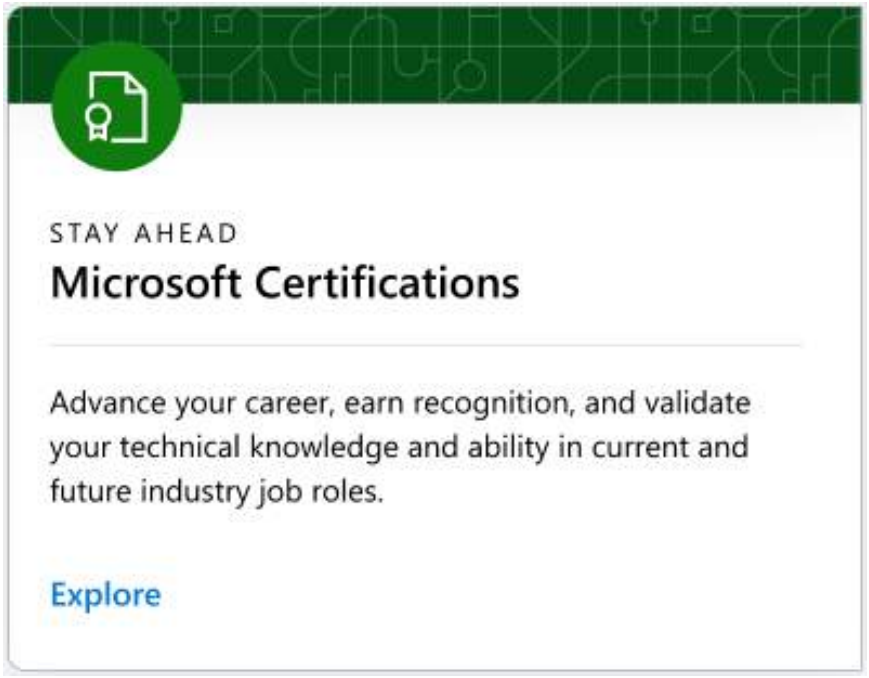
Microsoft-delivered Training

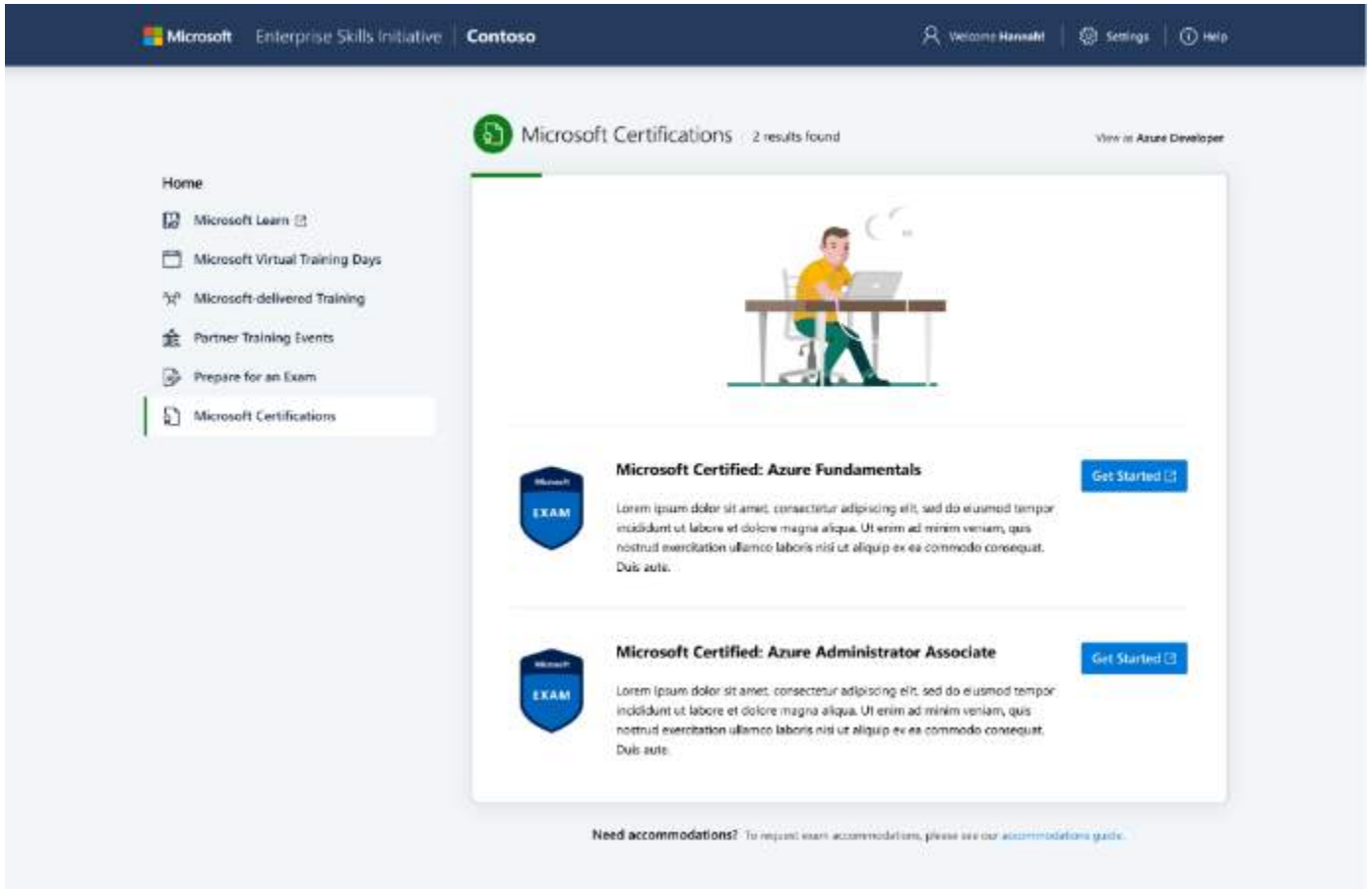
Event name	Official Start Date/Time	Official End Date/Time	Registration URL
AZ-900-2day Microsoft Azure Fundamentals (2 Day)	10/12/2020 09:00	11/12/2020 17:00	RegisterHERE
AZ-304 Microsoft Azure Architect Design	01/12/2020 09:00	04/12/2020 17:00	RegisterHERE
AZ-204 Developing Solutions for Microsoft Azure	14/12/2020 09:00	18/12/2020 17:00	RegisterHERE

Microsoft Certifications

500 Microsoft Certifications free of cost

Certifications to validate knowledge; free exam entitlements for all Fundamentals courses - 100% discount by Microsoft





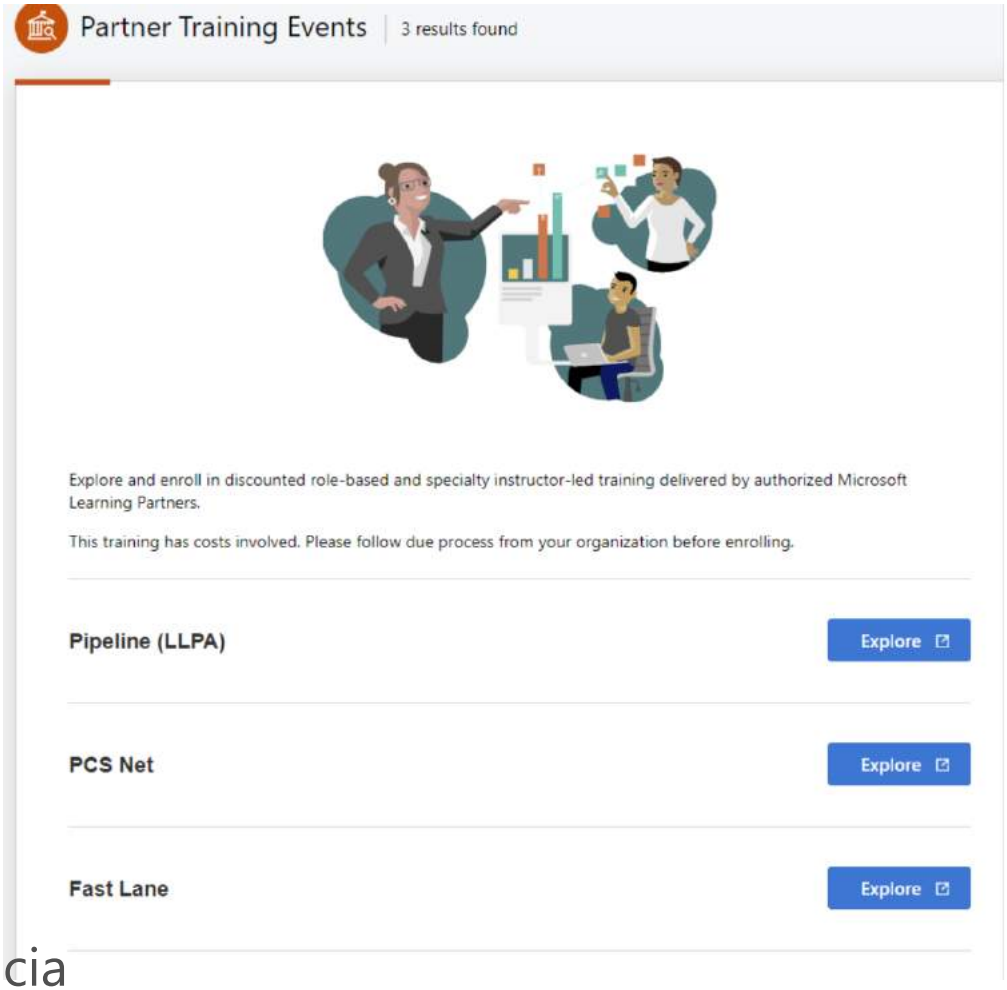
Enable Learners to view and register for **100% free exam** certifications with no need for vouchers or codes

Partner Training Events tile

Up to 100 Discounted Class Seats

Optional: you may set up dedicated Azure Role-Based Training through Learning Partners

Tariffe Migration Workshop e Fundamentals 2 days *	Tariffe Role-based e specialty training fee*
USD$300 per Studente	USD$600 per Studente



Per info contattate direttamente il vostro partner di fiducia

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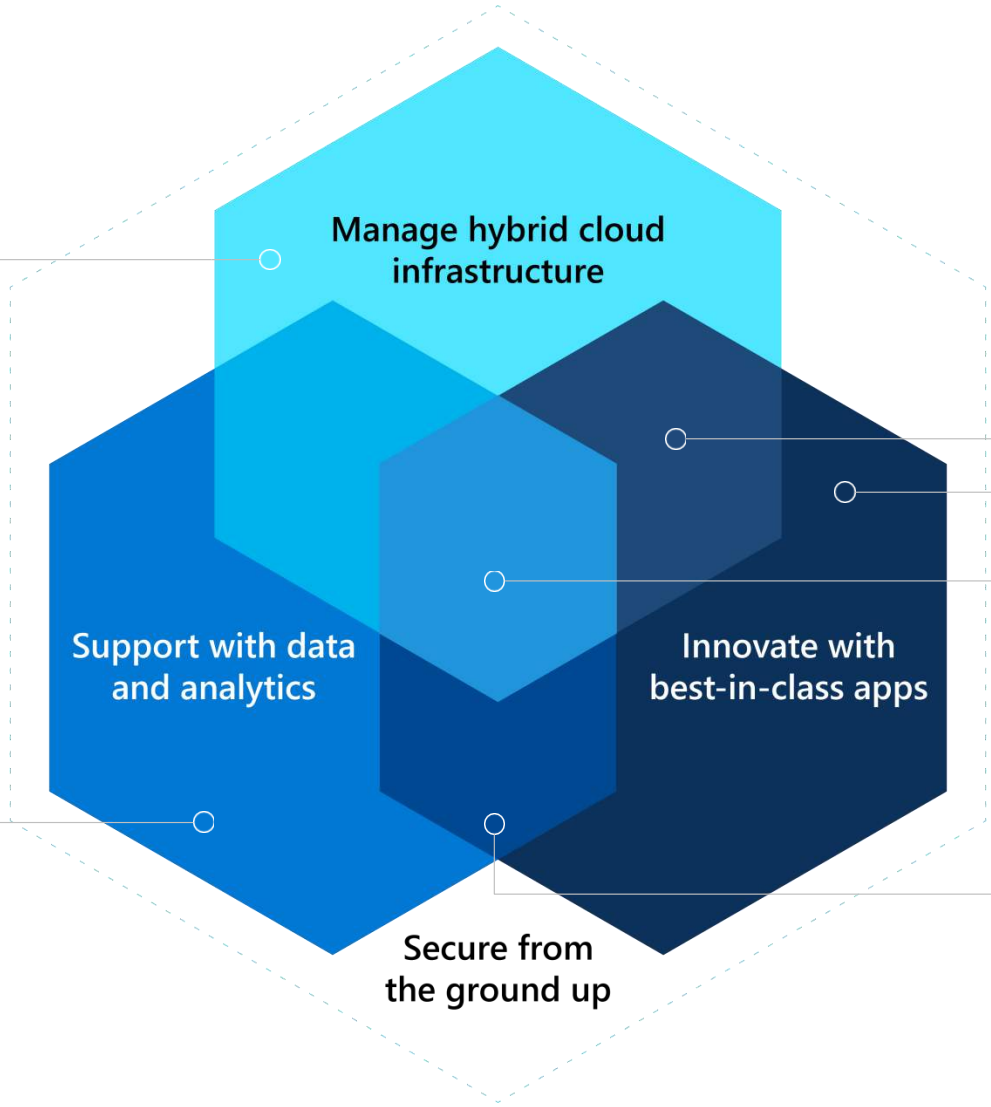
- Pipeline (LLPA) - Ivan Patria <ivan.patria@pipeline.it>

I “Job Role” nel mondo Azure



- Azure Administrator Associate
- Azure Security Engineer Associate
- Azure for SAP Workloads Specialty
- Azure Data Scientist Associate
- Azure Data Engineer Associate
- Azure Database Administrator Associate
- Data Analyst Associate
- DevOps Engineer Expert
- Azure Developer Associate
- Azure IoT Developer Specialty
- Azure Fundamentals
- Azure Solutions Architect Expert
- Azure AI Engineer Associate
- Azure AI Fundamentals
- Azure Data Fundamentals

Snapshot of Microsoft Azure training and certifications

Fundamentals

Foundational understanding of technology

- Azure Fundamentals AZ-900
- Azure Data Fundamentals DP-900
- Azure AI Fundamentals AI-900
- Dynamics 365 Fundamentals
- Microsoft 365
- PowerPlatform Fundamentals

Role-based

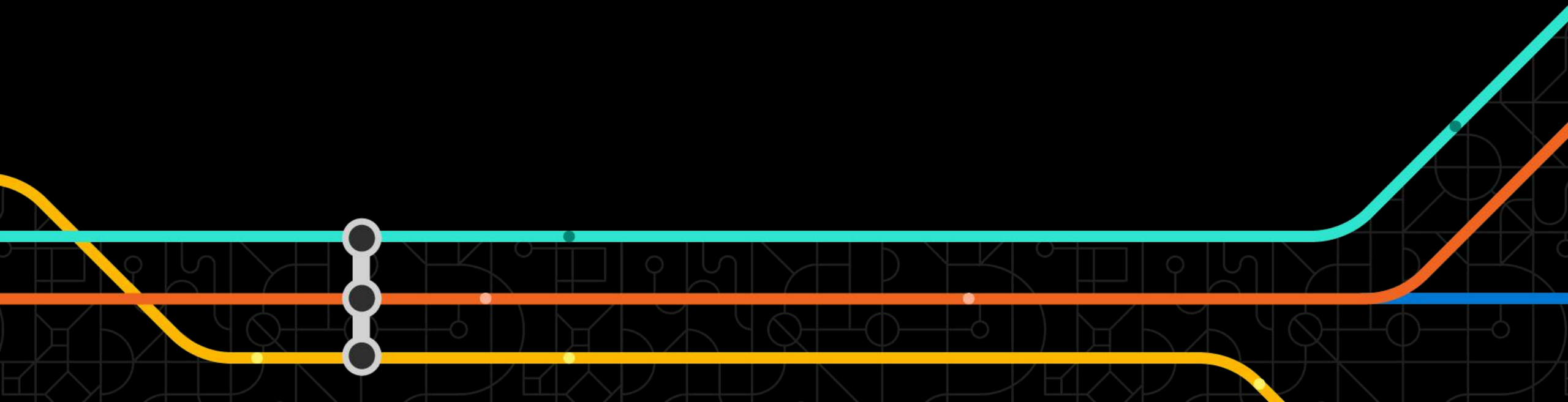
Technical skills required to perform a job

	Associate	Expert	Specialty
Apps & Infra	Azure Administrator AZ-104	Azure DevOps Engineer AZ-400	Azure for SAP Workloads AZ-120
	Azure Developer AZ-204		
	Azure Security Engineer AZ-500	Azure Solution Architect AZ-303 & AZ-304	Azure IoT Developer AZ-220
Data & AI	Azure Data Scientist DP-100		
	Azure AI Engineer AI-100		
	Azure Data Engineer DP-200 & DP-201		
	Azure Database Administrator DP-300		
	Azure Data Analyst DA-100		

- Migrate SQL Workloads to Azure (DP-050)
- Migrate NoSQL Workloads to Azure Cosmos DB (DP-060)
- Migrate Open Source Data Workloads to Azure (DP-070)
- Migrate Application Workloads to Azure (WS-050)

Migration workshops - no certification

ESI Program Policy



Program policies

⇒ The ESI program policies are not binding agreements but are guidelines to help promote a positive training experience.

- **Participation period**. The Enterprise Skills Initiative (ESI) FY21 program benefits are only valid through June 30, 2021, and won't extend beyond this date.
- **DCS usage**. Companies have 150 days from the date they accept the offer to consume their allotted Discounted Class Seats (DCS). After 150 days, any unused DCS expire.
- **DCS rates**. The Enterprise Skills Initiative (ESI) may change student subsidy rates for Discounted Class Seats (DCS) during the participation period. Prior to scheduling and participating in training, companies should check the student subsidy rate with their Learning Partner.
- **DCS expiration**. The Enterprise Skills Initiative (ESI) reserves the right to expire Discounted Class Seats (DCS) during the participation period, based on ESI program capacity. Any DCS remaining on June 30, 2021, will expire.
- **ESI program changes**. The Enterprise Skills Initiative (ESI) reserves the right to modify the program policies, as budgetary or company strategy requires. If we make changes to the policies, we'll notify participating companies.
- **Confidentiality**. Program participation is considered confidential and shouldn't be shared with any parties not involved with this offer.
- **Excessive registration**. We encourage learners to register only for sessions they plan to attend rather than submit multiple registrations at once for the same class dates. However, this doesn't prevent them from registering for more than one course title or from registering again for a previously completed course.
- **Walk-ins**. A walk-in is a learner who attends a class without registering. Walk-ins aren't permitted in Advanced Role-based (ARB) classes delivered by Microsoft.
- **Microsoft instructor-led training (ILT) cancellation and no-shows**. Learners who need to cancel their registration should do so at least five business days in advance of the class start date. A learner who registers for a class but doesn't attend is considered a no-show. We ask that companies keep their no-shows and late cancellations to less than 10 percent. Otherwise, the ESI program reserves the right to withdraw them from the program.

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- **ESI-initiated cancellation**. The Enterprise Skills Initiative (ESI) reserves the right to cancel or modify instructor-led training (ILT) classes, without penalty to the learner or customer. In these instances, cancellation decisions will be made with as much advance notice to registered learners as circumstances allow.
- **Learner conduct**. Trainers can limit the participation of learners who engage in rude, disruptive, or otherwise inappropriate behavior and could ask them to leave the class.
- **Unauthorized content use**. The Enterprise Skills Initiative (ESI) provides program content to learners for their individual use. Learners aren't permitted to share, distribute, copy, or record this program content, which includes, but isn't limited to:
    - Courseware and slideware.
    - Live Teams and class interactions (such as audio, video, and chat components).
    - Email communications.
    - Platforms, URLs, email aliases, and other contact info.

  Learners who violate this policy might be asked to leave the class. We reserve the right to withdraw companies and partners from the ESI program, if their learners consistently violate this policy.

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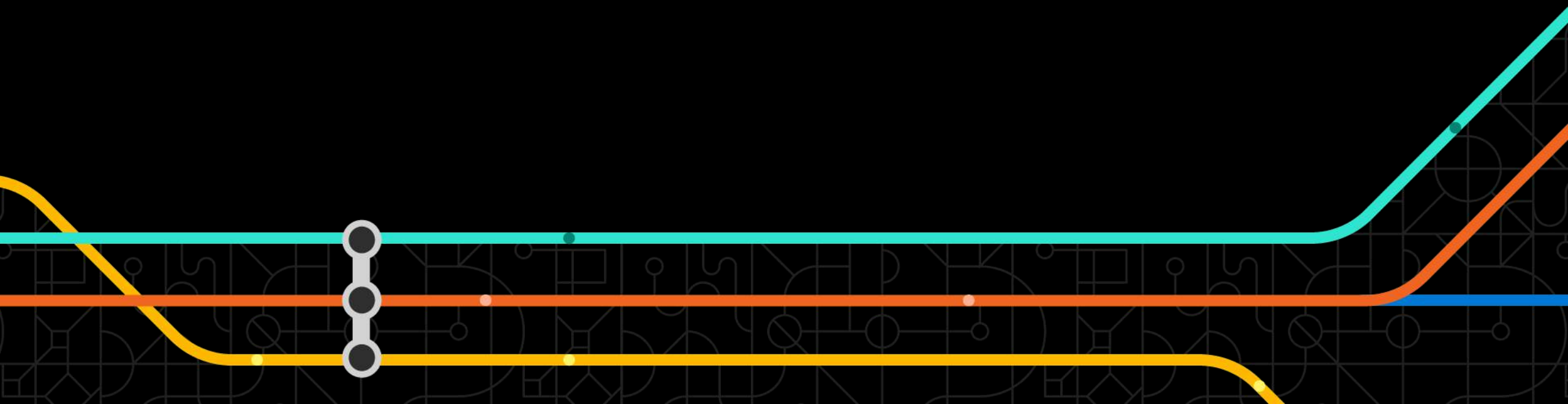
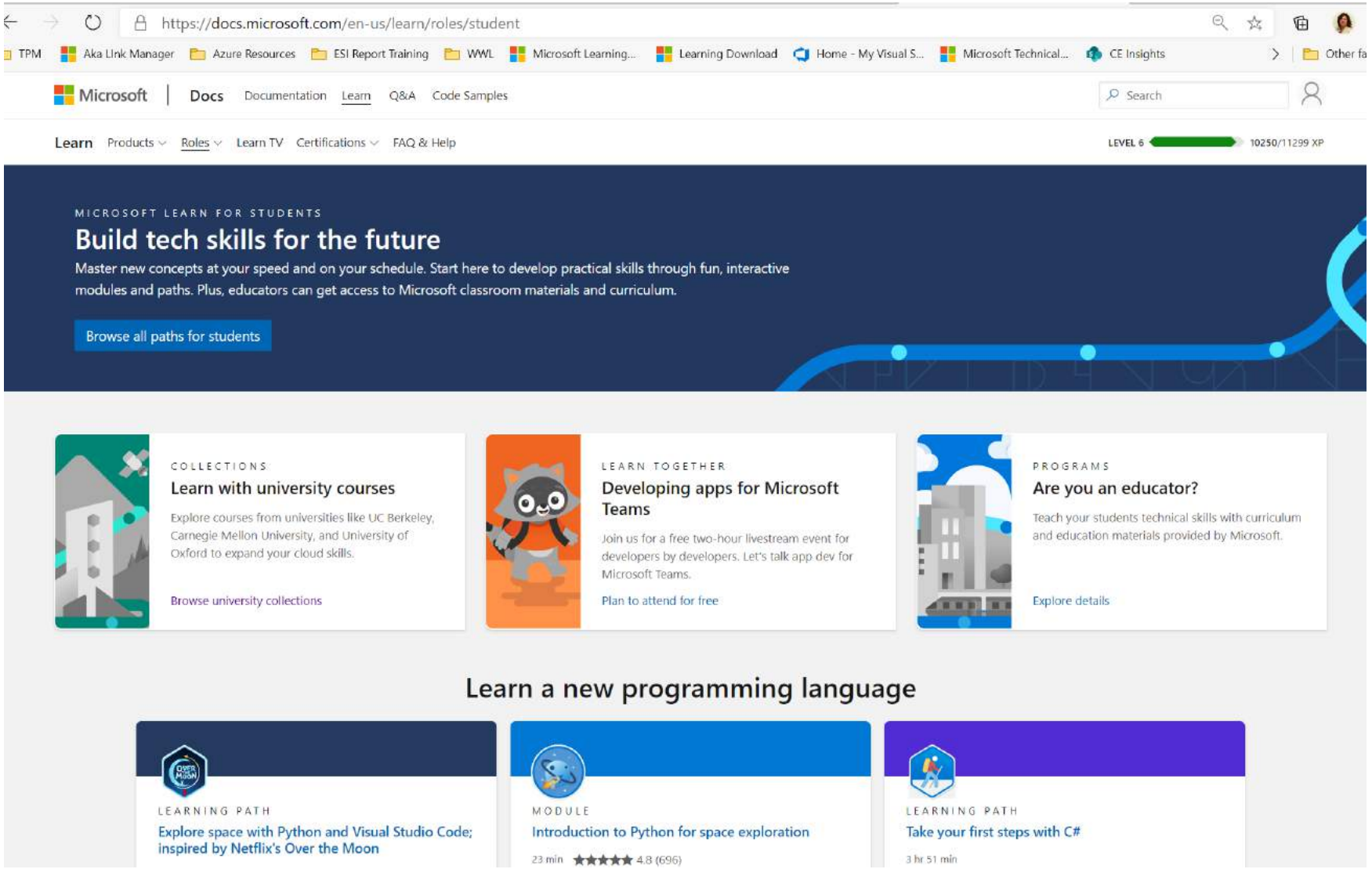
MS Learn for Students & Educators



Microsoft Learn for Students

[MS Learn for Students]

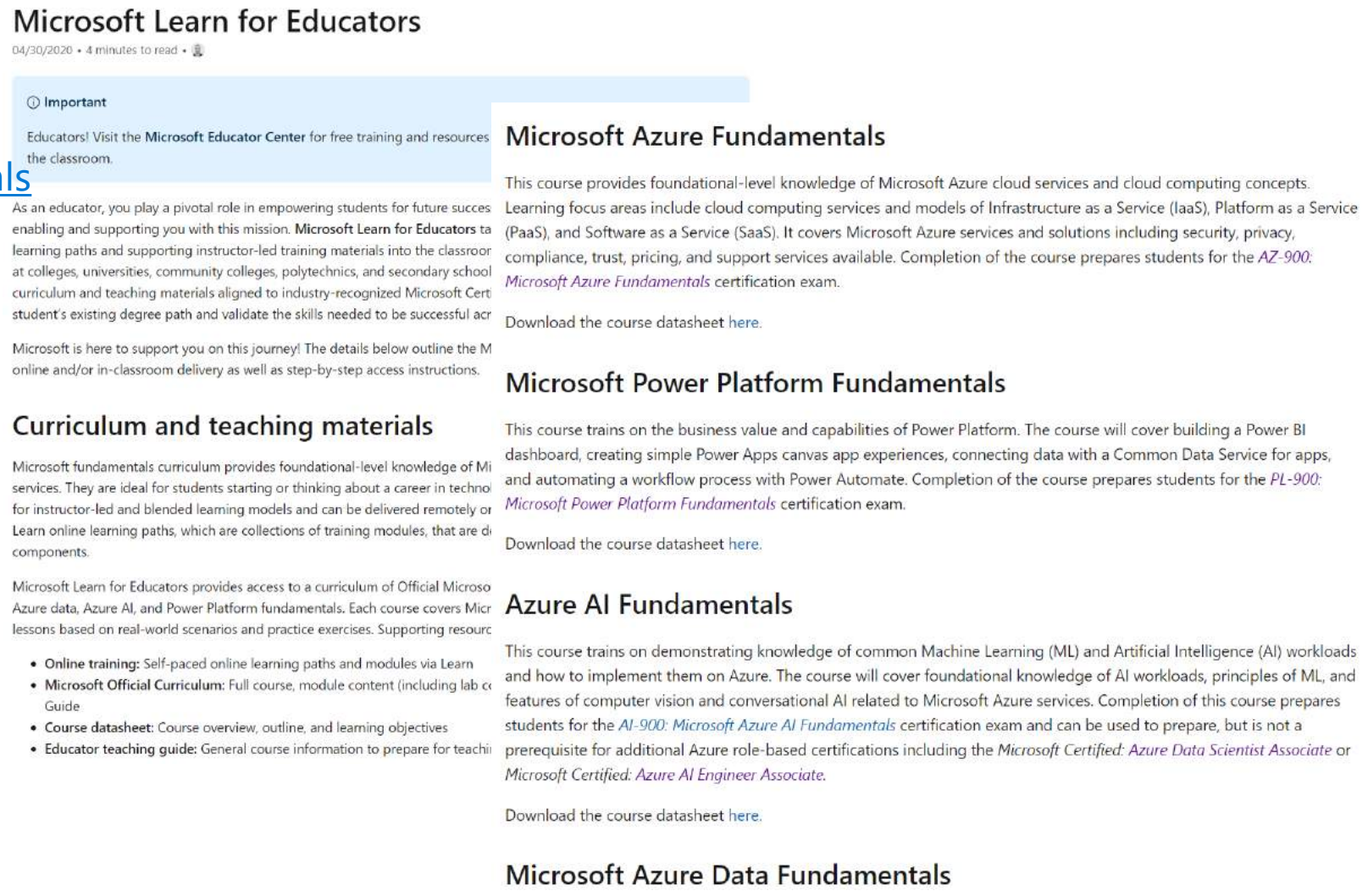
[Students Learning Paths]



Microsoft Learn for Educator

[Curriculum and teaching materials]

[Material access instructions]



Microsoft Learn for Educators

04/30/2020 • 4 minutes to read •

Important

Educators! Visit the **Microsoft Educator Center** for free training and resources
the classroom.

As an educator, you play a pivotal role in empowering students for future succes
enabling and supporting you with this mission. **Microsoft Learn for Educators** ta
learning paths and supporting instructor-led training materials into the classroor
at colleges, universities, community colleges, polytechnics, and secondary school
curriculum and teaching materials aligned to industry-recognized Microsoft Cert
student's existing degree path and validate the skills needed to be successful acr

Microsoft is here to support you on this journey! The details below outline the M
online and/or in-classroom delivery as well as step-by-step access instructions.

Curriculum and teaching materials

Microsoft fundamentals curriculum provides foundational-level knowledge of Mi
services. They are ideal for students starting or thinking about a career in technol
for instructor-led and blended learning models and can be delivered remotely or
Learn online learning paths, which are collections of training modules, that are d
components.

Microsoft Learn for Educators provides access to a curriculum of Official Microso
Azure data, Azure AI, and Power Platform fundamentals. Each course covers Micr
lessons based on real-world scenarios and practice exercises. Supporting resourc

- **Online training:** Self-paced online learning paths and modules via Learn
- **Microsoft Official Curriculum:** Full course, module content (including lab c
  Guide
- **Course datasheet:** Course overview, outline, and learning objectives
- **Educator teaching guide:** General course information to prepare for teachi

Microsoft Azure Fundamentals

This course provides foundational-level knowledge of Microsoft Azure cloud services and cloud computing concepts. Learning focus areas include cloud computing services and models of Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). It covers Microsoft Azure services and solutions including security, privacy, compliance, trust, pricing, and support services available. Completion of the course prepares students for the *AZ-900: Microsoft Azure Fundamentals* certification exam.

Download the course datasheet here.

Microsoft Power Platform Fundamentals

This course trains on the business value and capabilities of Power Platform. The course will cover building a Power BI dashboard, creating simple Power Apps canvas app experiences, connecting data with a Common Data Service for apps, and automating a workflow process with Power Automate. Completion of the course prepares students for the *PL-900: Microsoft Power Platform Fundamentals* certification exam.

Download the course datasheet here.

Azure AI Fundamentals

This course trains on demonstrating knowledge of common Machine Learning (ML) and Artificial Intelligence (AI) workloads and how to implement them on Azure. The course will cover foundational knowledge of AI workloads, principles of ML, and features of computer vision and conversational AI related to Microsoft Azure services. Completion of this course prepares students for the *AI-900: Microsoft Azure AI Fundamentals* certification exam and can be used to prepare, but is not a prerequisite for additional Azure role-based certifications including the *Microsoft Certified: Azure Data Scientist Associate* or *Microsoft Certified: Azure AI Engineer Associate*.

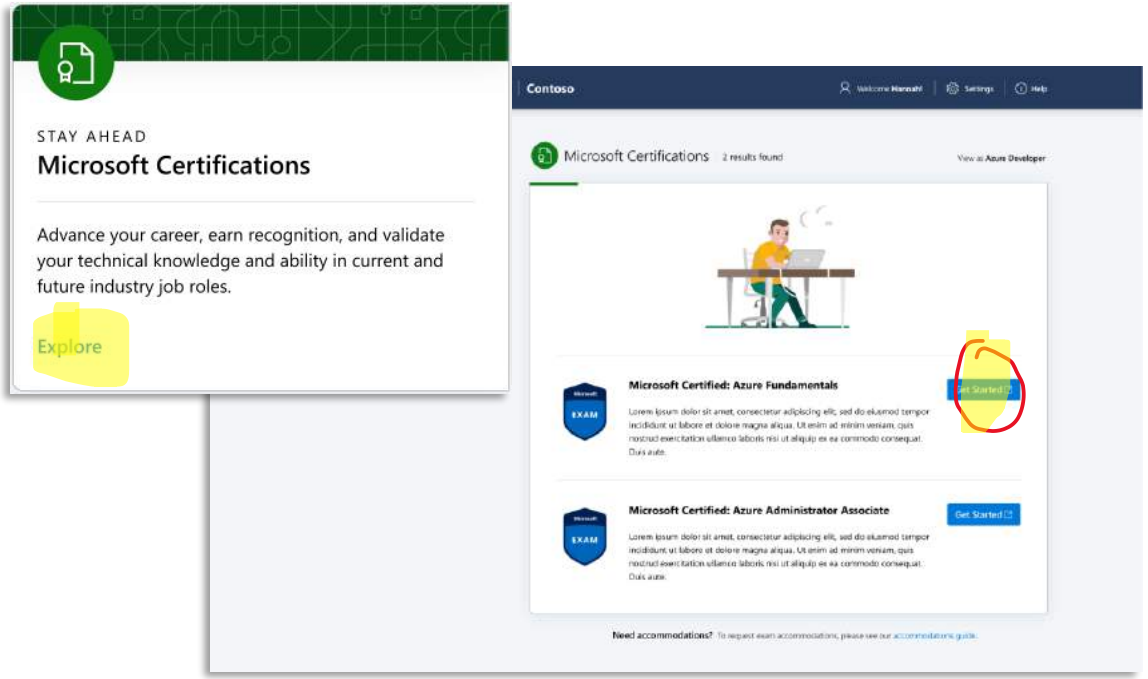
Download the course datasheet here.

Microsoft Azure Data Fundamentals

Come ottenere lo sconto per gli esami di Certifcazione

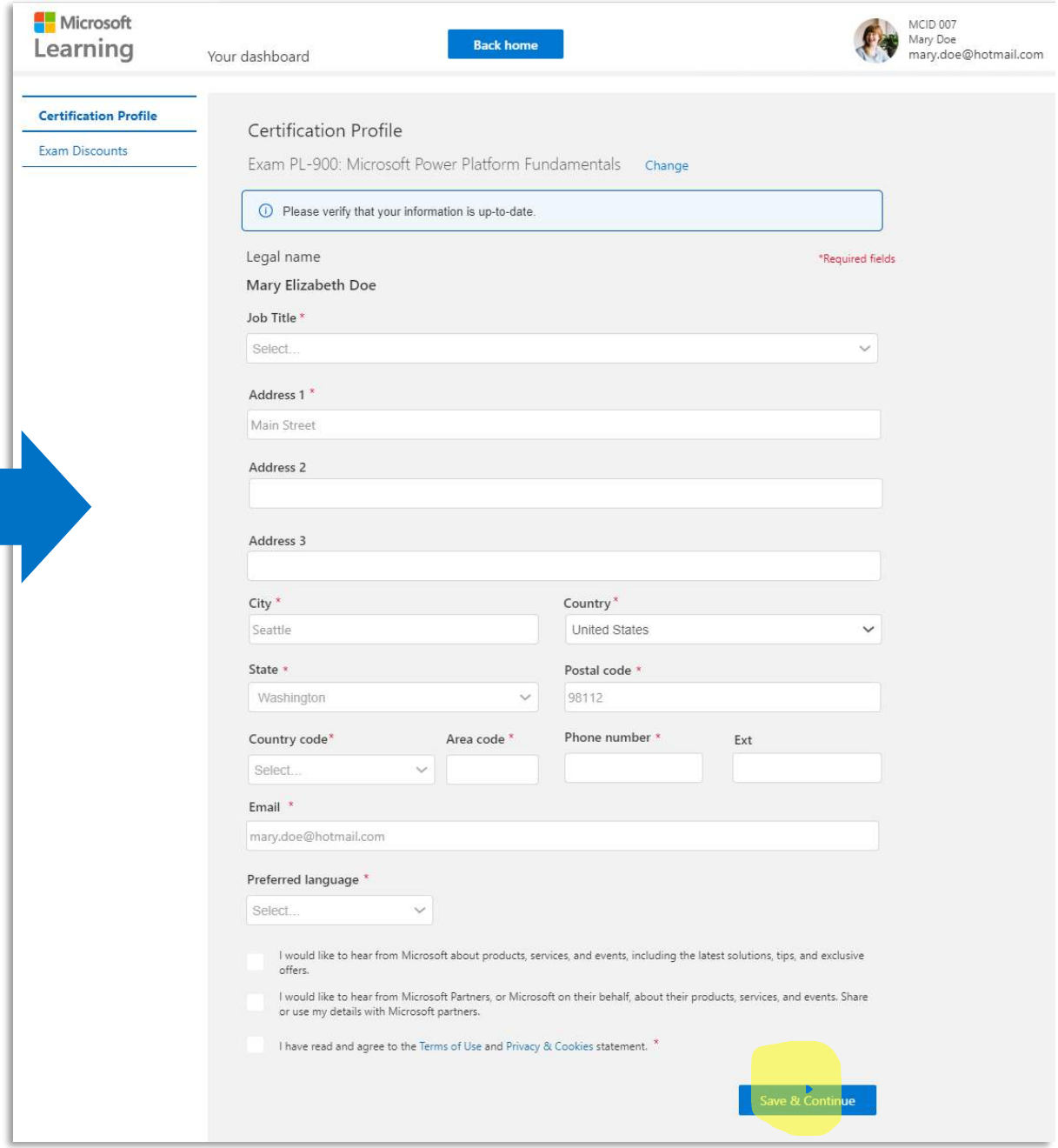
Seguire le istruzioni nel: ESI Exam Discount Video

LxP – Get Certified Flow

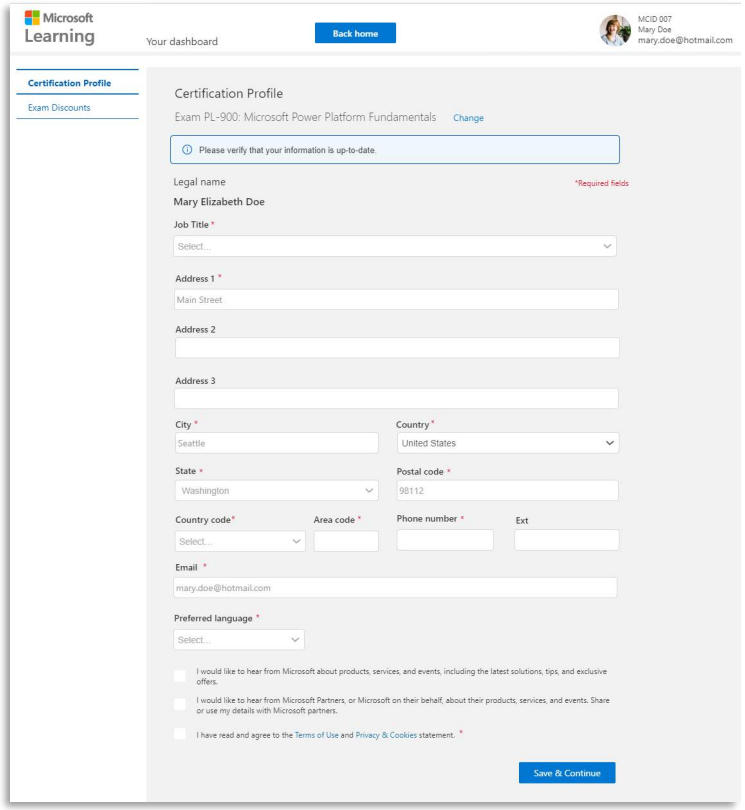


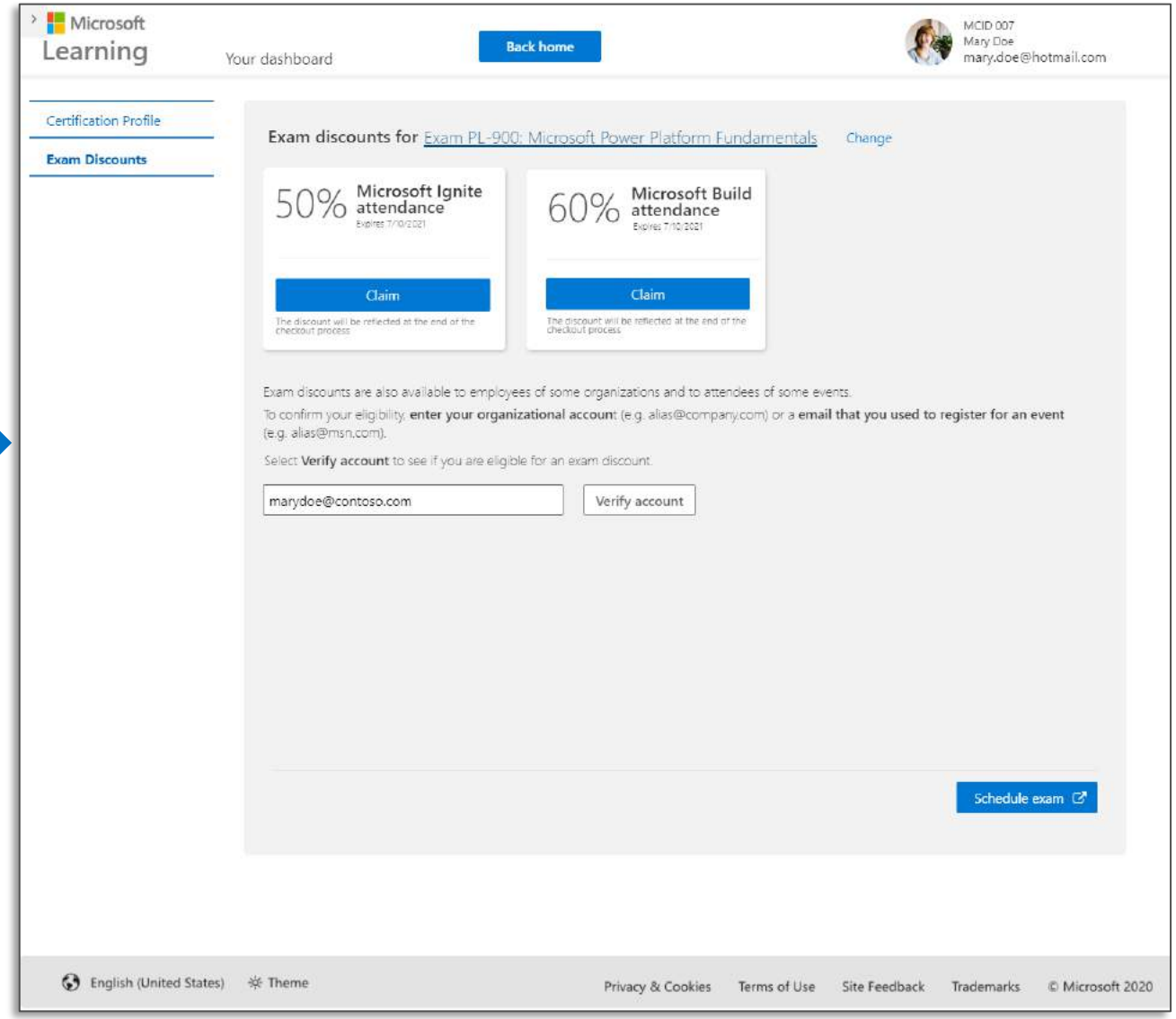
Learner clicks “Get Started” to access the Certification Registration flow

[ESI Exam Discount Video]



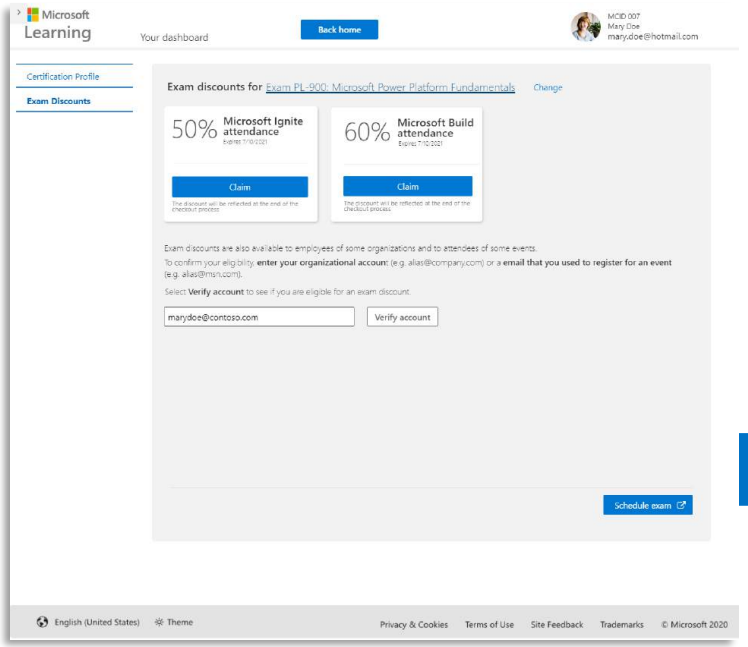
LxP – Get Certified Flow



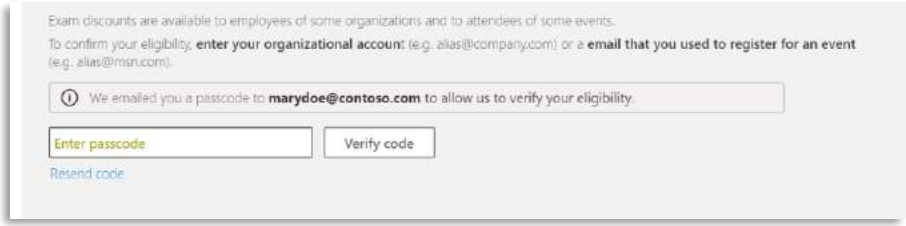


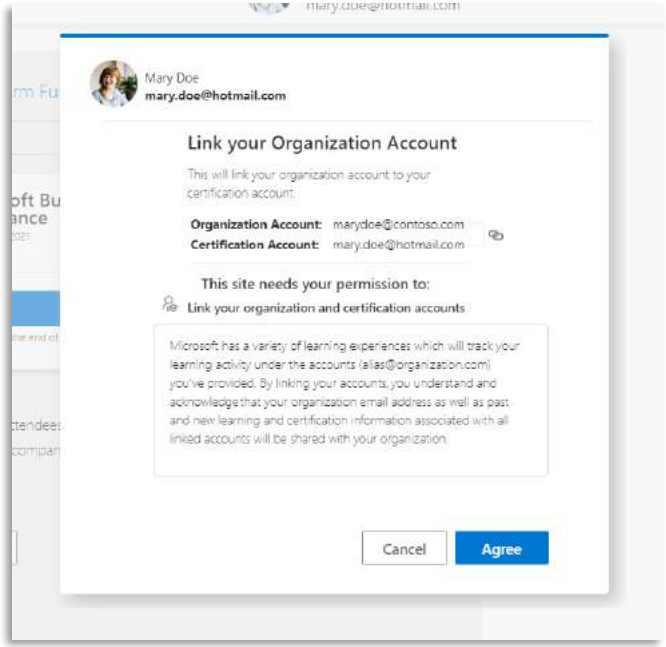
Learner fills out Certification Profile information and clicks ""Save & Continue"

LxP – Get Certified Flow



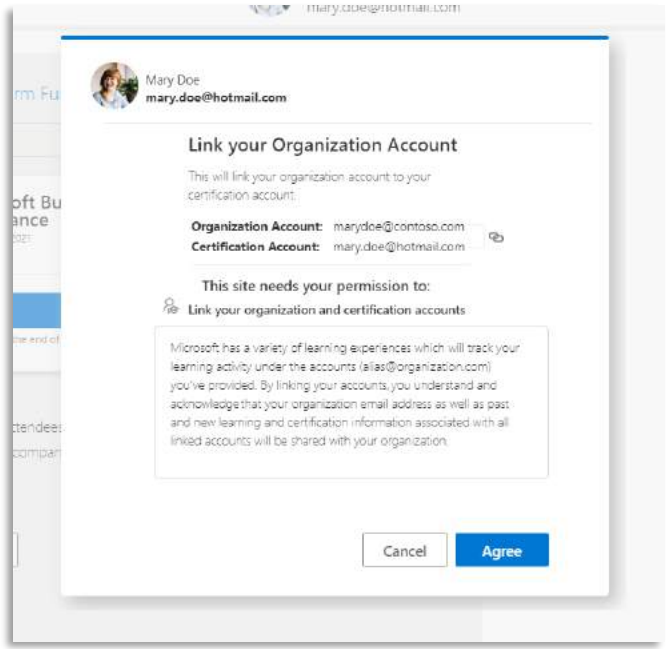
OR non-AAD:

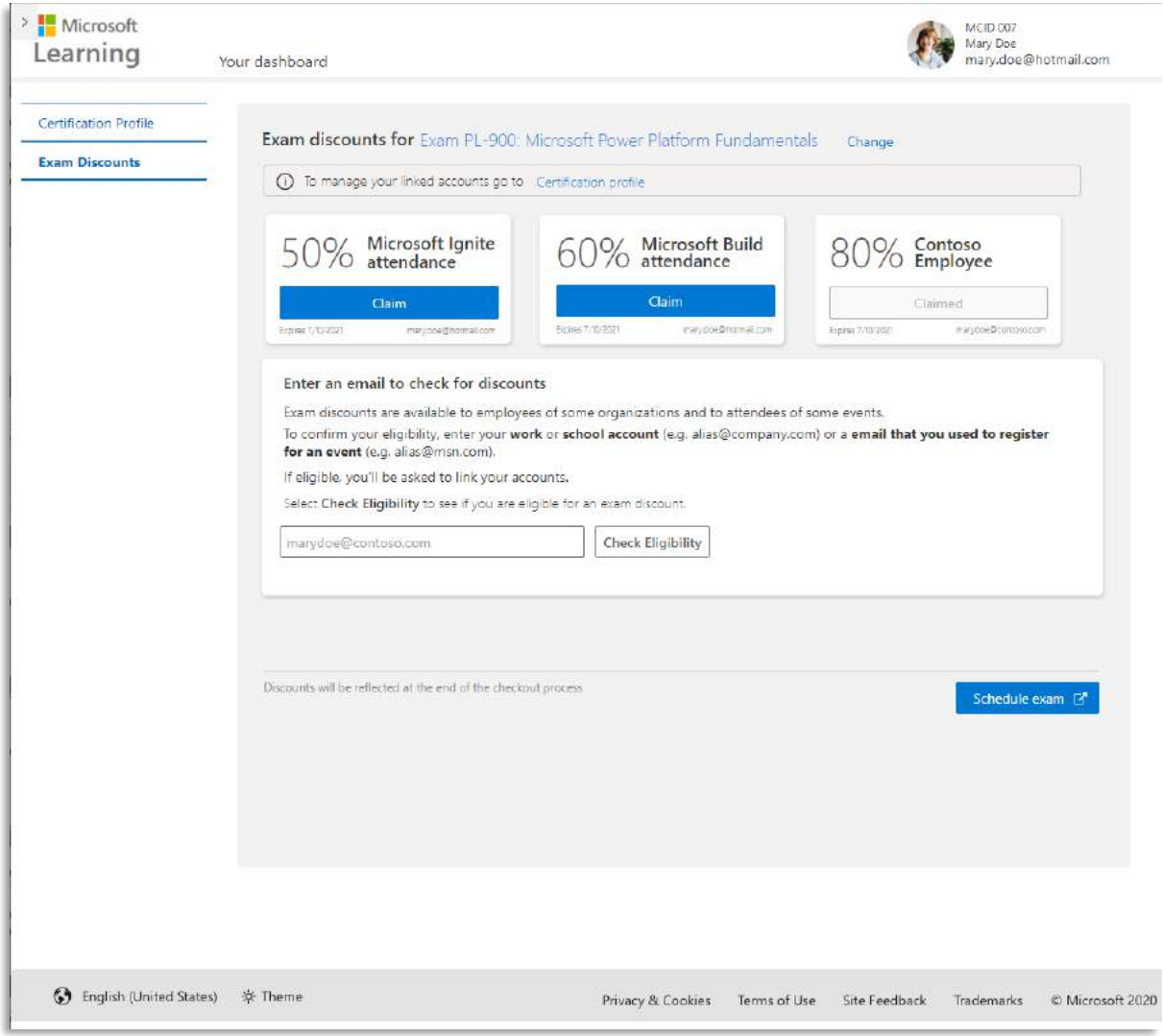




1. Learner enters work email address and clicks “Verify Account”
2. If AAD account, learner is prompted to Sign In with AAD credentials
3. If NON-AAD, Learner will be prompted to receive a confirmation email and enter code

LxP – Get Certified Flow

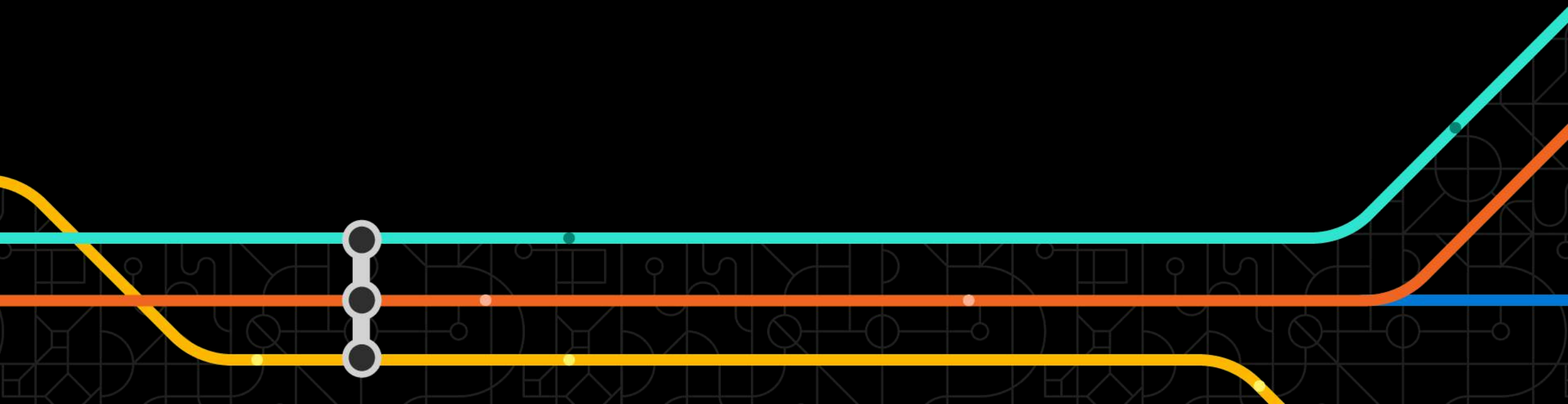




Once the learner has linked their accounts, they are able to claim their company discount (for ESI learners this will be a 100% exam discount)

After the learner has clicked "Claim," they can click "Schedule exam" and navigate out to PearsonVue to schedule their free exam

Azure e i percorsi di Certificazione indirizzati dal programma ESI



Microsoft Azure certifications

Role-based
Expand your technical skill set

Associate
- Azure Administrator
- Azure Developer
- Azure Security Engineer
- Azure Data Scientist
- Azure AI Engineer
- Azure Data Engineer
- Azure Database Administrator
- Data Analyst

Expert
- Azure Solutions Architect
- DevOps Engineer

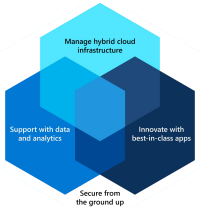
Specialty
Deepen your technical skills and manage industry solutions

- Azure for SAP Workloads
- Azure IoT Developer

Fundamentals
Master the basics

- Azure Fundamentals
- Azure AI Fundamentals
- Azure Data Fundamentals

Azure certifications for IT pros



Azure Administrator Associate

Implements, manages, and monitors an organization's Azure environment

- Manages Azure identities and governance
- Implements and manages storage
- Deploys and manages Azure compute resources
- Configures and manages virtual networking
- Monitors and backs up Azure resources

Azure Security Engineer Associate

Implements security controls and threat protection, manages identity and access, and protects data, applications, and networks in cloud and hybrid environments as part of an end-to-end infrastructure

- Manages identity and access
- Implements platform protection
- Manages security operations
- Secures data and applications

Azure for SAP Workloads Specialty

Architects or engineers for Azure for SAP Workloads have extensive experience and knowledge of the SAP system landscape and industry standards that are specific to the long-term operation of an SAP solution on Azure

- Migrates SAP Workloads to Azure
- Designs an Azure solution to support SAP workloads
- Builds and deploys Azure for SAP workloads
- Validates Azure infrastructure for SAP workloads
- Operationalizes Azure SAP architecture

DevOps Engineer Expert

Works with people, processes, and technologies to continuously deliver business value

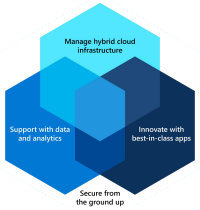
- Develops an instrumentation strategy
- Develops a Site Reliability Engineering (SRE) strategy
- Develops a security and compliance plan
- Manages source control
- Facilitates communication and collaboration
- Defines and implements continuous integration
- Defines and implements a continuous delivery and release management strategy

Azure Solutions Architect Expert

Designs and implements solutions that run on Azure, including aspects like compute, network, storage, and security

- Implements and monitors an Azure infrastructure
- Implements management and security solutions
- Implements solutions for apps
- Implements and manages data platforms
- Designs monitoring
- Designs identity and security
- Designs data storage
- Designs business continuity
- Designs infrastructure

Azure certifications for developers



Azure Developer Associate

Designs, builds, tests, and maintains cloud applications and services

- Develops Azure compute solutions
- Develops for Azure Storage
- Implements Azure security
- Monitors, troubleshoots, and optimizes Azure solutions
- Connects to and consumes Azure services and third-party services

Azure IoT Developer Specialty

Develops cloud and edge components of an Azure IoT solution

- Implements the Azure IoT solution infrastructure
- Provisions and manages devices
- Implements Edge
- Processes and manages data
- Monitors, troubleshoots, and optimizes IoT solutions
- Implements security

Azure AI Engineer Associate

Uses Cognitive Services, machine learning, and knowledge mining to architect and implement Microsoft AI solutions involving natural language processing, speech, computer vision, and conversational AI

- Analyzes solution requirements
- Designs AI solutions
- Implements and monitors AI solutions

DevOps Engineer Expert

Works with people, processes, and technologies to continuously deliver business value

- Develops an instrumentation strategy
- Develops a Site Reliability Engineering (SRE) strategy
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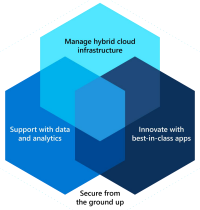
- Designs data storage
- Designs business continuity
- Designs infrastructure

Azure certifications for data & AI pros



Azure Data Engineer Associate

Designs and implements the management, monitoring, security, and privacy of data solutions using the full stack of Azure data services

- Implements data storage solutions
- Manages and develops data processing
- Monitors and optimizes data solutions
- Designs Azure data storage solutions
- Designs data processing solutions
- Designs for data security and compliance

Azure Database Administrator Associate

Implements and manages cloud and on-premises relational databases built on top of Microsoft SQL Server and Azure data services

- Plans and implements data platform resources
- Implements a secure environment
- Monitors and optimizes operational resources
- Optimizes query performance
- Performs automation of tasks
- Plans and implements a high availability and disaster recovery (HADR) environment
- Performs administration by using T-SQL

Data Analyst Associate

Helps businesses to maximize the value of their data assets using Microsoft Power BI

- Prepares the data
- Models the data
- Visualizes the data
- Analyzes the data
- Deploys and maintains deliverables

Azure Data Scientist Associate

Implements and runs machine learning workloads on Azure Machine Learning

- Sets up an Azure Machine Learning workspace
- Runs experiments and trains models
- Optimizes and manages models
- Deploys and consumes models

Azure AI Engineer Associate

Uses Cognitive Services, machine learning, and knowledge mining to architect and implement Microsoft AI solutions involving natural language processing, speech, computer vision, and conversational AI

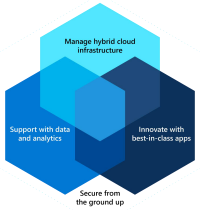
- Analyzes solution requirements
- Designs AI solutions
- Implements and monitors AI solutions

Azure Solutions Architect Expert

Designs and implements solutions that run on Azure, including aspects like compute, network, storage, and security

- Implements and monitors an Azure infrastructure
- Implements management and security solutions
- Implements solutions for apps
- Implements and manages data platforms
- Designs monitoring
- Designs identity and security
- Designs data storage
- Designs business continuity
- Designs infrastructure

Get the right foundations



Azure Fundamentals

Validates foundational knowledge of cloud services and how those services are provided with Azure

- Describes cloud concepts
- Describes core Azure services
- Describes security, privacy, compliance, and trust
- Describes Azure pricing service-level agreements and lifecycles

Azure AI Fundamentals

Validates foundational knowledge of machine learning and artificial intelligence concepts and related Azure services

- Describes AI workloads and considerations
- Describes fundamental principles of machine learning on Azure
- Describes features of computer vision workloads on Azure
- Describes features of conversational AI workloads on Azure

Azure Data Fundamentals

Validates foundational knowledge of core data concepts and how they are implemented using Azure data services

- Describes core data concepts
- Describes how to work with relational data on Azure
- Describes how to work with nonrelational data on Azure
- Describes an analytics workload on Azure

Power Platform Fundamentals*

Validates understanding of core capabilities of Microsoft Power Platform—business value, core product, building Power Apps, connecting data sources, automating, and creating Power BI dashboards

- Understands the business value of Microsoft Power Platform
- Understands the Core Components of Microsoft Power Platform
- Demonstrates the business value of Power BI
- Demonstrates the business value of Power Apps
- Demonstrates the business value of Power Automate

**This certification is part of the Business Applications portfolio and is a great foundation for data analysts and Azure developers*

Certification benefits our business

Employees are more productive in their role

60% of IT decision-makers believe that skills gaps cost their employees between three and eight hours per week.[1]

Role-based certifications are more valuable

IT professionals who've achieved a relevant role-based certification perform on average 26% better than their uncertified colleagues with the same responsibilities.[2]

Simplified talent identification and recruiting

91% of employers believe that IT certifications save time and resources while evaluating new candidates.[3]

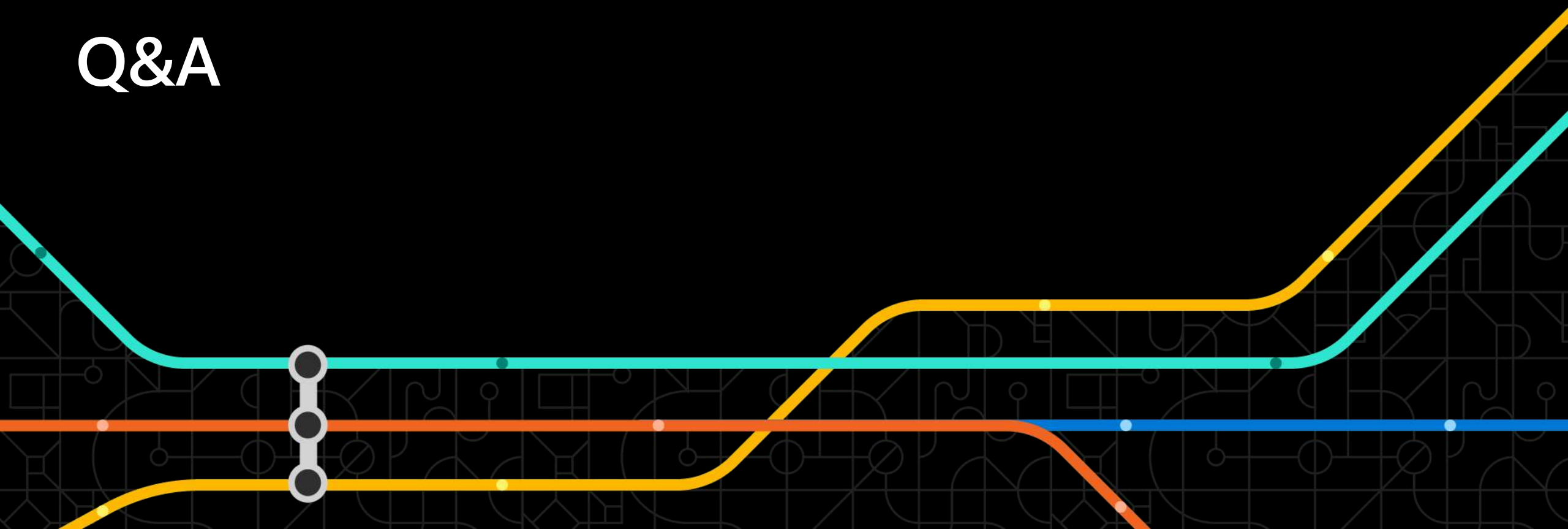
[1] 2018 Global Knowledge IT Skills and Salary Report

[2] IDC White Paper, sponsored by Microsoft, Benefits of Role-Based Certifications, June 2020

[3] Business Training Experts – Profiting from Learning

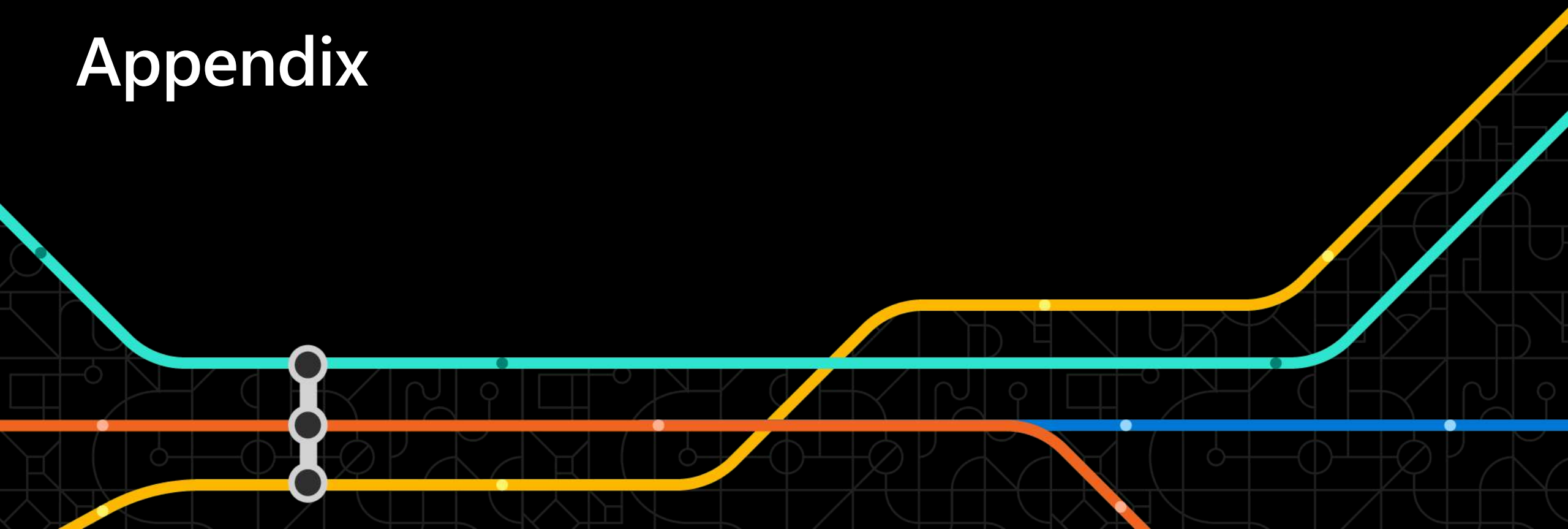
Microsoft

Q&A



Microsoft

Appendix



Breadth of resources to support you

Understanding Microsoft Azure certifications

Blog series: aka.ms/AzureCerts_BlogSeries

Video: aka.ms/AzureCerts_Video

Poster: aka.ms/AzureCerts_Poster

Official curriculum

Microsoft Official Courses

aka.ms/MOC

Self-paced learning

Azure.com/Learn

Complement your knowledge

Microsoft Certified Official Practice Tests

aka.ms/MSPracticeTests

Microsoft Docs

aka.ms/docs

Azure developer guide

aka.ms/AzureDeveloperGuide

Azure Architecture Center

aka.ms/architecture

Microsoft Azure Well-Architected Framework

docs.microsoft.com/learn/paths/azure-well-architected-framework/

Microsoft Cloud Adoption Framework for Azure

aka.ms/CAF

Stay informed

Microsoft Learn Blog: aka.ms/MicrosoftLearnBlog

Microsoft Learn Community: aka.ms/MicrosoftLearnCommunity

Twitter: @MicrosoftLearn

LinkedIn: Microsoft Learn

Microsoft Certifications poster: aka.ms/TrainCertPoster

Microsoft Azure courses (1)

Certification	Role Description	Exam	Skills Measured	Microsoft Official Course	MOC duration
Azure Administrator Associate	Azure Administrators implement, manage, and monitor an organization's Microsoft Azure environment.	**AZ-104**: Microsoft Azure Administrator	https://aka.ms/az-104examguide	**AZ-104T00** Microsoft Azure Administrator	4 days
				AZ-010T00 Azure Administrator for AWS SysOps	2 days
Azure AI Engineer Associate	Azure AI Engineers use cognitive services, machine learning, and knowledge mining to architect and implement Microsoft AI solutions involving natural language processing, speech, computer vision, and conversational AI.	**AI-100**: Designing and Implementing an Azure AI Solution	http://aka.ms/ai-100examguide	**AI-100T01** Designing and Implementing an Azure AI Solution	3 days
Azure Data Engineer Associate	Azure Data Engineers design and implement the management, monitoring, security, and privacy of data solutions using the full stack of Microsoft Azure data services.	**DP-200**: Implementing an Azure Data Solution	http://aka.ms/dp-200examguide	DP-200T01 Implementing an Azure Data Solution	3 days
		DP-201: Designing an Azure Data Solution	http://aka.ms/d-201examguide	DP-201T01 Designing an Azure Data Solution	2 days
Azure Data Scientist Associate	Azure Data Scientists implement and run machine learning workloads on Microsoft Azure Machine Learning.	**DP-100**: Designing and Implementing a Data Science Solution on Azure	http://aka.ms/dp-100examguide	DP-100T01 Designing and Implementing a Data Science solution on Azure	3 days
Azure Database Administrator Associate	Azure Database Administrators implement and manage cloud and on-premises relational databases built on top of Microsoft SQL Server and Azure data services.	**DP-300**: Administering Relational Databases on Microsoft Azure	http://aka.ms/dp-300examguide	DP-300T00 Administering Relational Databases on Microsoft Azure	4 days
Azure Developer Associate	Azure Developers design, build, test, and maintain cloud applications and services.	**AZ-204**: Developing Solutions for Microsoft Azure	http://aka.ms/az-204examguide	**AZ-204T00** Developing Solutions for Microsoft Azure	5 days
				AZ-020T00 Microsoft Azure solutions for AWS Developers	3 days

Microsoft Azure courses (2)

Certification	Role Description	Exam	Skills Measured	Microsoft Official Course	MOC duration
Azure for SAP Workloads Specialty	Architects or engineers for Azure for SAP Workloads have extensive experience and knowledge of the SAP system landscape and industry standards that are specific to the long-term operation of an SAP solution on Microsoft Azure.	**AZ-120**: Planning and Administering Microsoft Azure for SAP Workloads	http://aka.ms/az-120examguide	**AZ-120T00** Planning and Administering Microsoft Azure for SAP Workloads	4 days
Azure IoT Developer Specialty	Azure IoT Developers develop cloud and edge components of an Azure IoT solution.	**AZ-220**: Microsoft Azure IoT Developer	http://aka.ms/az-220examguide	**AZ-220T00** Microsoft Azure IoT Developer	4 days
Azure Security Engineer Associate	Azure Security Engineers implement security controls and threat protection, manage identity and access, and protect data, applications, and networks in cloud and hybrid environments as part of an end-to-end infrastructure.	**AZ-500**: Microsoft Azure Security Technologies	http://aka.ms/az-500examguide	**AZ-500T00** Microsoft Azure Security Technologies	5 days
Azure Solution Architect Expert	Azure Solution Architects design and implement solutions that run on Microsoft Azure, including aspects like compute, network, storage, and security.	**AZ-303**: Microsoft Azure Architect Technologies	http://aka.ms/az-303examguide	**AZ-303T00** Microsoft Azure Architect Technologies	5 days
		AZ-304: Microsoft Azure Architect Design	http://aka.ms/az-304examguide	**AZ-304T00** Microsoft Azure Architect Design	4 days
Data Analyst Associate	Data Analysts help businesses to maximize the value of their data assets using Microsoft Power BI.	**DA-100**: Analyzing Data with Microsoft Power BI	http://aka.ms/da-100examguide	**DA-100T00** Analyzing Data with Microsoft Power BI*	5 days
DevOps Engineer Expert	DevOps Engineers work with people, processes, and technologies to continuously deliver business value.	**AZ-400**: Designing and Implementing Microsoft DevOps solutions	http://aka.ms/az-400examguide	**AZ-400T00** Designing and Implementing Microsoft DevOps Solutions	5 days

*Coming soon

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