

Darren Coupland *Lead Data Engineer & Life Long Learner*



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https://github.com/DAZCUK46/Presentations

Your continuous learning journey an introduction to Microsoft Certifications



Lifelong learning and why it's important

Knowledge can be acquired and skill-sets developed anywhere – learning is unavoidable and happens all the time. However, lifelong learning is about creating and maintaining a positive attitude to learning both for personal and professional development.

Lifelong learners are motivated to learn and develop because they want to:

it is a deliberate and voluntary act.

Lifelong learning can enhance our understanding of the world around us, provide us with more and better opportunities and improve our quality of life.

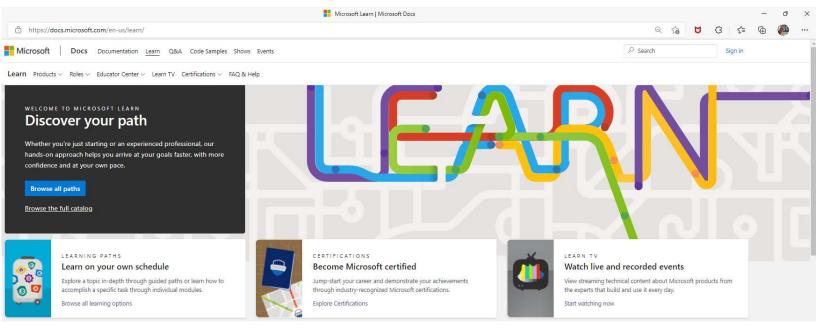
Find out more at:

http://www.skillsyouneed.com/learn/lifelong-learning.html

What am I going to learn today?

- Microsoft Learn
- Microsoft Certifications
- Free certification exams
 - Microsoft Free Training Days
 - Microsoft 30 days to learn it skills challenges
 - Microsoft Ignite Skills Challenges
- Your first Microsoft Exam
- Resources

Microsoft Learn



- > Free open training platform
- Provides role-based training & learning paths
 - Administrators
 - Developers
 - Engineers
 - Solution Architects
 - and more...

- > Learn TV
 - Shows
 - Events

- Your Account
 - Sign up using personal email account
 - Link Work or School Account
 - Benefits
 - Track Progress
 - Use Free Azure Resources

Microsoft Certifications

Why get certified:

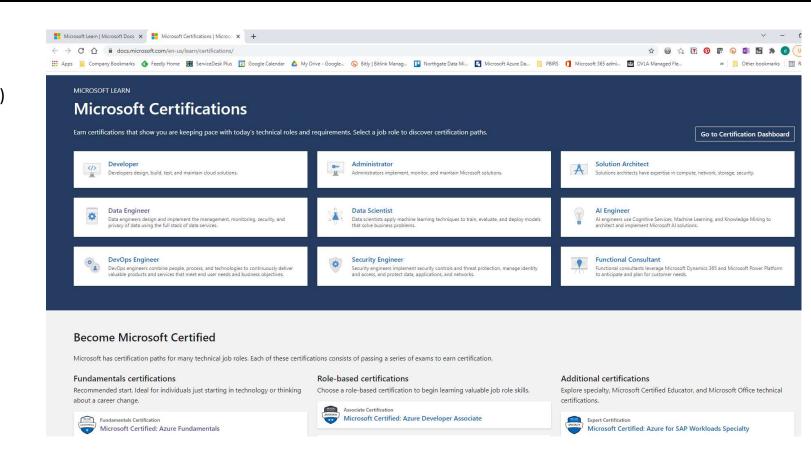
Demonstrate your knowledge to:

- Employers (present & future)
- Colleagues
- Yourself!

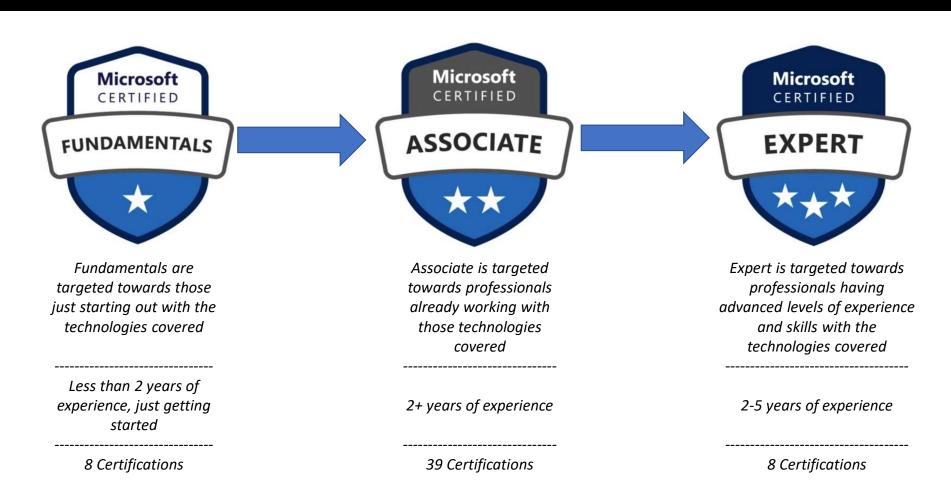
Proves your proficient in real-world skills associated with industry recognized roles

What's on the Certification Site?

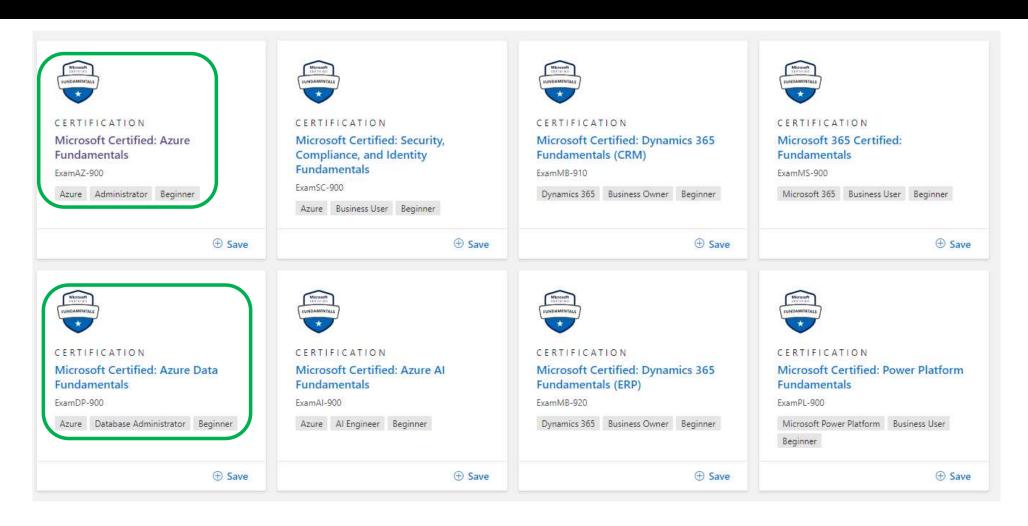
- Certifications available
- Learning paths
- Detailed breakdown of skills expected
- Book an Exam



Microsoft Certification Levels



Microsoft Certification Fundamentals



Microsoft Certification Azure Fundamentals



Microsoft Certified: Azure Fundamentals

Whether you're new to the field or a seasoned professional, mastering the basics in Microsoft Azure can help you jump-start your career and prepare you to dive deeper into the many technical opportunities Azure offers.

The certification validates your basic knowledge of cloud services and how those services are provided with Azure. Candidates should be able to demonstrate a fundamental knowledge of cloud concepts, along with Azure services, workloads, security, privacy, pricing, and support.

The Microsoft Certified: Azure Fundamentals certification could be a great fit for you if you'd like to:

- Prove your knowledge of cloud computing concepts, models, and services, such as public, private, and hybrid cloud, in addition to infrastructure as a service (laaS), platform as a service (PaaS), and software as a service (SaaS).
- Show your expertise on how Azure supports security, privacy, compliance, and trust.

It is recommended to have familiarity with concepts of networking, storage, compute, application support, and application development. You can use your Azure Fundamentals certification to reinforce your basics for other Azure role-based or specialty certifications, but it isn't a prerequisite for any of them.

To ensure you are prepared for the exam, we recommend:

- Studying the relevant self-paced content

 on Microsoft Learn, or attending a Microsoft Azure Virtual
 Training Day: Fundamentals

 or signing up for an instructor-led training event with a Microsoft
 Learning Partner.
- Taking the practice exam \(\text{r} \) to validate your knowledge and understanding of the exam experience.
- Get a trial subscription and give it a try.

What's next?

Register for your exam! After you pass the exam and earn your certification, celebrate your certification badge and skills on social platforms such as LinkedIn. To find out more, visit: use and share certification badges.

Depending on your goals, you may choose to master the basics with the Azure Data Fundamentals certification or the Azure Al Fundamentals certification. Or find the right Microsoft Azure certification for you a based on your profession (or the one you aspire to).

(i) Important

The English language version of this certification was updated on January 25, 2022. Please download the skills measured document on the **Exam AZ-900 page** to see what changed.

Job role: Administrator, Business User, Developer, Student, Technology Manager Required exams: AZ-900 Important: See details

Go to Certification Dashboard ☑

Certification details

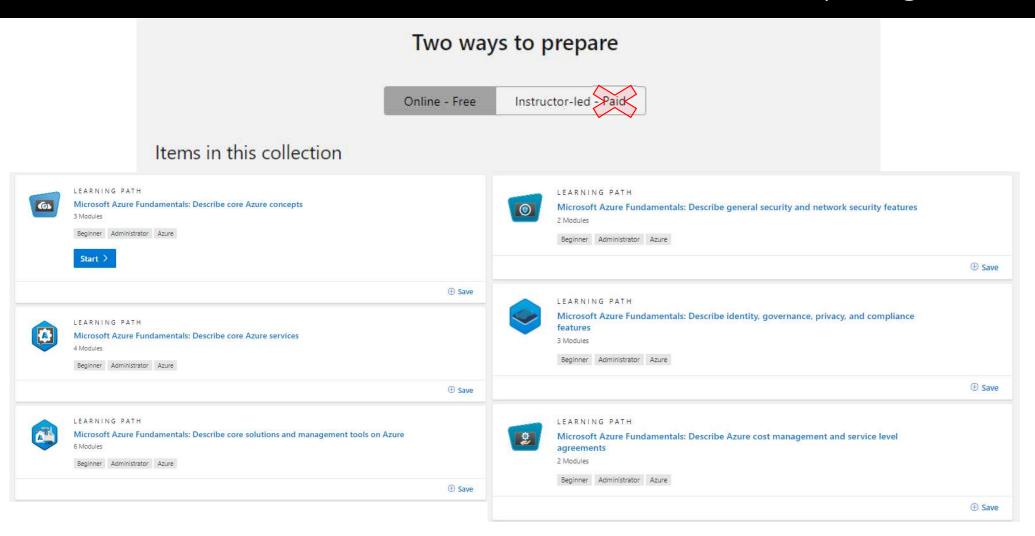


Skills measured

- · Describe cloud concepts
- · Describe core Azure services
- · Describe core solutions and management tools on Azure
- · Describe general security and network security features
- · Describe identity, governance, privacy, and compliance features
- Describe Azure cost management and Service Level Agreements



Microsoft Certification Azure Fundamentals Preparing



Free certification exams

Yes I want some! Tell me more...

Microsoft Free (Virtual) Training Days

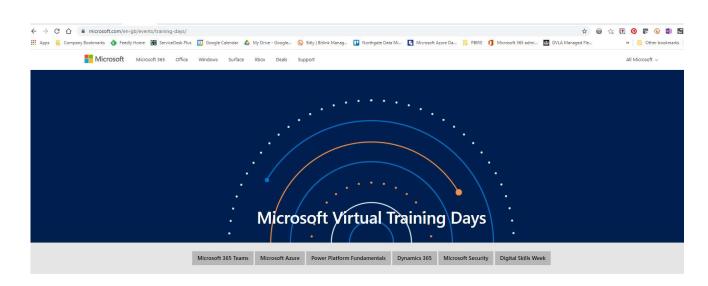
https://www.microsoft.com/en-gb/events/training-days/

Virtual Training Day Webinars covering subjects on:

- Azure
- Dynamics 365
- Power Platform
- Security
- Teams

Free exam voucher are valid for:

- Azure AI Fundamentals
- Azure Fundamentals
- Azure Data Fundamentals
- Power Platform Fundamentals
- Security, Compliance & Identity Fundamentals



Join us for the free Microsoft Virtual Training Days

Whether you're a cloud expert or a novice, or looking for real-world strategies to customise your digital journey, our expert webinars will help you transform your business and achieve full potential using the Microsoft Cloud platform. Get started on your journey - explore our webinars below for Developers and IT professionals and register for the subjects best suited to you and

Microsoft Free (Virtual) Training Days

Microsoft Azure Virtual Training Days

Invent with purpose

Learn about the power of Microsoft Azure to enable your organisation to achieve more. Microsoft Azure Virtual Training Days will show you how to be purposeful and ready to take on your next transformation challenge. Whether it's the fundamentals of the Azure cloud, developing native apps, migrating servers, or managing cloud operations, or more complex skills like modernising web apps and data, implementing Al, or building data warehouses, we'll meet you where you are. With our webinars you'll be able to create the experiences and opportunities you envision.

Fundamentals

- March 14th and 15th
- March 23rd and 24th
- March 30th and 31th

Data Fundamentals

Migrating On-Premise Infrastructure and Workloads

March 16th and 17th

Linux OSS DB Migration

Al Fundamentals

March 10th

Deliver Integrated Analytics with Azure Synapse

Implementing Hybrid Infrastructure

March 29th and 30th

Microsoft Free (Virtual) Training Days

Microsoft Azure Virtual Training Day: Fundamentals

30th March 2022, 10:00-12:10 (BST) 31st March 2022, 10:00-12:30 (BST)

Delivery Language: English

Closed Captioning Language(s): English

Join us at Microsoft Azure Virtual Training Day: Fundamentals for an introduction to cloud computing concepts, models and services – from public to private to hybrid cloud. You'll also learn the basics of Infrastructure-as-a-Service (laaS), Platform-as-a-Service (PaaS) and Software-as-a-Service (SaaS). Prepare to take full advantage of the key Azure pillars of security, privacy, compliance and trust.

Who should attend:

- Developers
- Architects
- IT professionals
- Cloud novices

Technical level: For those who are just beginning to work with cloud-based solutions and services or are new to Azure.

After completing this training, you will be able to:

- Prepare for cloud migration with the training to evaluate your existing onpremises environment.
- · Optimise your Azure-based workloads for maximum ROI.
- Learn best practices for managing your virtual machines, applications and data with Azure.
- · Take the Microsoft Azure Fundamentals certification exam at no cost.

Here's what you can expect:

Part 1	Part 2
Introduction	Introduction
Azure Cloud Concepts	Azure Security and Network Security
Core Azure Services	Identity, governance, privacy and compliance
Break: 10 Minutes	Break: 10 Minutes
Azure Solutions and Management Tools	Azure Pricing and Lifecycle
Closing Question & Answer	Closing Question & Answer

Space is limited, so reserve your spot now!

Click here for the Microsoft digital event code of conduct.

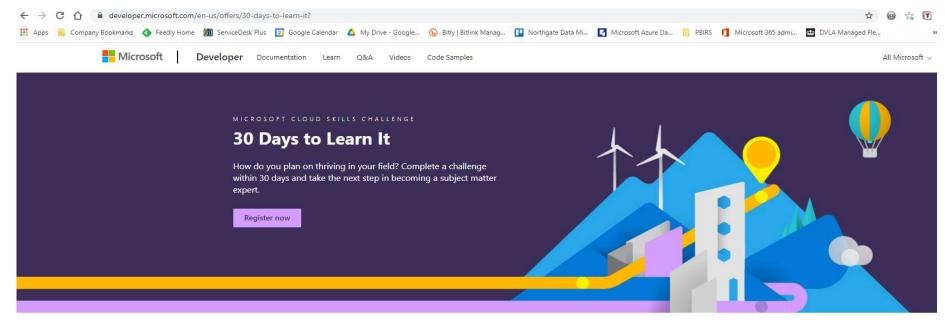
For questions about discounted exam eligibility, scheduling or expirations, please refer to $\underline{\text{the FAO}}$.

Microsoft Azure Virtual Training Day: Fundamentals event, including the exam upon completing the event, is open to the public and offered at no cost. Prior to registering for this training, government employees must check with their employers to ensure their participation is permitted, and in accordance with, applicable policies and laws.

Register Now Fill in this form to register for the virtual training day	
First name *	
Last name *	
Email *	
Phone *	
Jab role *	
Company name *	
Country/Region_* ▼	
Company size *	
I'm not a robot	
Register Now	

Microsoft 30 days to learn it skills challenge (50% off exam voucher!)

https://developer.microsoft.com/en-us/offers/30-days-to-learn-it?



Master the most in-demand skills and advance your career

30 Days to Learn It can help you build skills and start your preparation for Microsoft Certifications for AI, DevOps, Microsoft 365, low code, IoT, data science, cloud development, and more. Select your challenge below, work through learning modules, and exchange ideas with peers through a global community forum.

Microsoft 30 days to learn it skills challenge (50% off exam voucher!)

https://developer.microsoft.com/en-us/offers/30-days-to-learn-it?

Azure Virtual Desktop Fundamentals

Gain the ability to plan the architecture for an Azure Virtual Desktop deployment, manage access and security, manage user environments and apps, and monitor and maintain an Azure Virtual Desktop environment.

Get started

Azure Al Fundamentals

Get a solid foundation in machine learning and Al concepts including computer vision, natural language processing, and conversational Al. This learning journey is designed for participants with both technical and nontechnical backgrounds.

Get started

Microsoft 365 Developer

Design, build, test, and maintain apps and solutions with Microsoft 365, Microsoft Teams, Microsoft Identity, and Microsoft Graph. Customize solutions to increase productivity and collaboration.

Get started

Build apps with Microsoft Graph

Microsoft Graph is the gateway to data and intelligence in Microsoft 365. It allows a programmability model to access the data in Microsoft 365, Windows 10, and Enterprise Mobility + Security. Use Microsoft Graph to build apps for organizations and consumers that interact with millions of users.

Get started

Azure Solutions Architect

Discover how to use Azure Infrastructure to improve your applications and become an Azure Solution Architect. Advise stakeholders and translate business requirements into cloud solutions.

Get started

Java on Azure Developer

Start developing modern Java applications in the cloud with managed compute, databases, and DevOps services. This learning journey is designed for participants with familiarity developing and running Java applications and beginner-level experience with cloud infrastructure.

Get started

Azure Developer

Participate in all phases of cloud development to create endto-end solutions. Design, build, test, and maintain cloud applications using compute, storage, management, and security services on Azure.

Get started

Power Platform App Maker

Build solutions including apps, Al, and reporting with low code and configuration. Simplify, automate, and transform tasks and processes using the Microsoft Power Platform.

Get started

Azure Data Scientist

Design and implement a data science solution on Azure. Learn how to build machine learning models, no-code predictive models, and ML solutions, and run data science workloads in the cloud.

Get started

DevOps Engineer

Design and implement DevOps processes and practices. Develop an instrumentation strategy with logging, telemetry, and monitoring. Manage source control with GitHub to foster collaboration and automate build and deployment processes.

Get started

Azure Synapse Analytics

Take your data analytics skills to the next level with Azure Synapse Analytics. Learn how to integrate, transform, and consolidate data from various structured and unstructured data systems into structures that are suitable for building analytics solutions.

Get started

Microsoft 30 days to learn it skills challenge (50% off exam voucher!)

https://developer.microsoft.com/en-us/offers/30-days-to-learn-it?

ELIGIBLE EXAMS

The eligible exams for the learning journeys available are listed below.

Certifications and related exams:

Azure AI Fundamentals

Exam AI-900: Microsoft Azure AI Fundamentals

Azure Data Scientist

Exam DP-100: Designing and Implementing a Data Science Solution on Azure

Azure Developer

Exam AZ-204: Developing Solutions for Microsoft Azure

Microsoft 365 Developer

Exam MS-600: Building Applications and Solutions with Microsoft 365 Core Services

Power Platform App Maker

Exam PL-100: Microsoft Power Platform App Maker

Azure Solutions Architect (2 exams)

Exam AZ-303: Microsoft Azure Architect Technologies

Exam AZ-304: Microsoft Azure Architect Design

DevOps Engineer

Exam AZ-400: Designing and Implementing Microsoft DevOps Solutions

Java on Azure Developer

Exam AZ-204: Developing Solutions for Microsoft Azure

Build apps with Microsoft Graph

Exam MS-600: Microsoft 365 Certified: Developer Associate

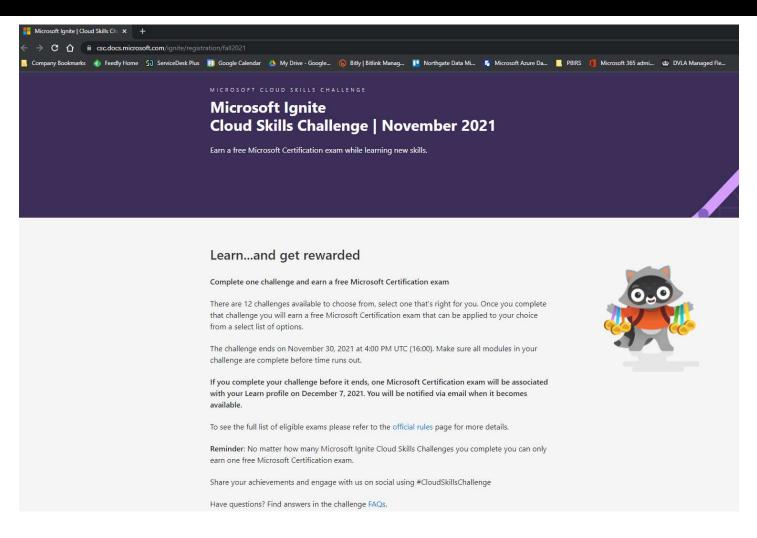
Azure Synapse Analytics

Exam DP-203: Data Engineering on Microsoft Azure

Azure Virtual Desktop Fundamentals

Exam AZ-140: Configuring and Operating Microsoft Azure Virtual Desktop

Microsoft Ignite Skills Challenges (Expired ⊗)



Microsoft Ignite Skills Challenges (Expired ⊗)

Teams Admin Challenge

This challenge is for professionals who manage Microsoft Teams to facilitate efficient and effective collaboration and communication in a Microsoft 365 environment.

· Teams Voice Engineer Challenge

If you're a telecommunications professional that knows how to plan, design, configure, maintain, and troubleshoot an integrated communications solution using Microsoft Teams, this challenge and certification can help you move your career forward.

Desktop and Device Management Challenge

This challenge is for Modern Desktop Administrators who deploy, configure, secure, manage, and monitor devices and client applications in an enterprise environment.

Dynamics 365 Sales Consultant Challenge

If you're a functional consultant, a professional working with Microsoft Dynamics 365 Sales, or a developer looking to hone your consulting skills, this challenge could help give your career a boost by showing that you can use Dynamics 365 Sales to empower the sales force.

Dynamics 365 Supply Chain Management Challenge

Analyze business requirements and translate those requirements into fully realized business processes and solutions that implement industry best practices in this challenge. Learn how to serve as a key resource in implementing and configuring applications to meet business requirements.

· Power Platform Developer Challenge

If you have a passion for designing, developing, securing, and extending Microsoft Power Platform solutions, this certification could be for you. You'll learn how to create technical designs and Power Apps, extend the platform and the user experience, and develop integrations.

Azure Admin Challenge

Want to know Azure even more? Take this challenge to learn skills that help you implement, manage, and monitor an organization's Microsoft Azure environment.

Azure Developer Challenge

This challenge is for developers interested in designing, building, testing, and maintaining cloud applications and services on Microsoft Azure.

Azure Database Admin Challenge

This challenge is for professionals who implement and manage the operational aspects of cloudnative and hybrid data platform solutions built with Microsoft SQL Server and Microsoft Azure Data Services.

Windows Server Hybrid Admin Challenge

This challenge is for anyone looking to grow expertise in configuring and managing Windows Server on-premises, hybrid, and infrastructure as a service (IaaS) platform workloads.

Security Operations Analyst Challenge

Take this challenge if your career goal is to reduce organizational risk by rapidly remediating active attacks in the environment, advising on improvements to threat protection practices, and referring violations of organizational policies.

Identity + Information Protection Challenge

This challenge is for the multi-talented security experts. Learn how to design, implement, and operate an organization's identity and access systems. And learn how to plan and implement controls that meet organizational compliance needs.

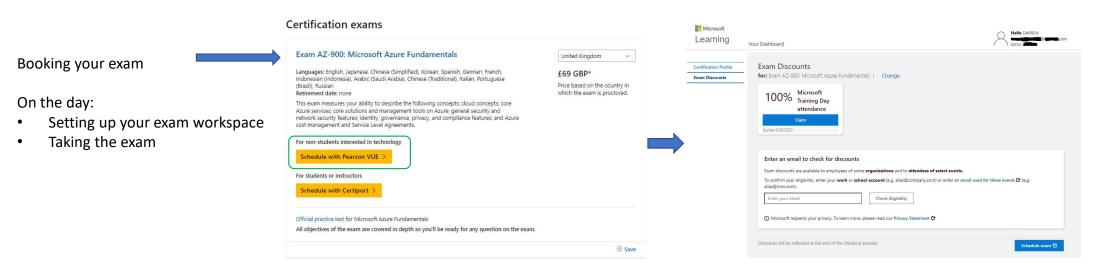
Microsoft Ignite Skills Challenges (Expired ☺)

Eligible exams include only those listed below.

Ву Торіс	Exams	
Azure	AZ-104: Microsoft Azure Administrator AZ-204: Developing Solutions for Microsoft Azure DP-300: Administering Relational Databases on Microsoft Azure AZ-800: Administering Windows Server Hybrid Core Infrastructure AZ-801: Configuring Windows Server Hybrid Advanced Services	
Dynamics 365	MB-210: Microsoft Dynamics 365 Sales MB-330: Microsoft Dynamics 365 Supply Chain Management	
Microsoft 365	MD-100: Windows 10 MD-101: Managing Modern Desktops MS-700: Managing Microsoft Teams MS-720: Microsoft Teams Voice Engineer	
Power Platform	PL-400: Microsoft Power Platform Developer	
Security, Compliance, and Identity	SC-200: Microsoft Security Operations Analyst SC-300: Microsoft Identity and Access Administrator SC-400: Microsoft Information Protection Administrator	
Important dates:		

- Challenge Starts: November 2, 2021 at 4:00 PM UTC
- Challenge Ends: November 30, 2021 at 4:00 PM UTC
- Vouchers sent: If you complete your challenge before it ends, one free Microsoft Certification exam will be associated with your Learn profile on December 7, 2021.
- Vouchers expire: March 15th, 2022

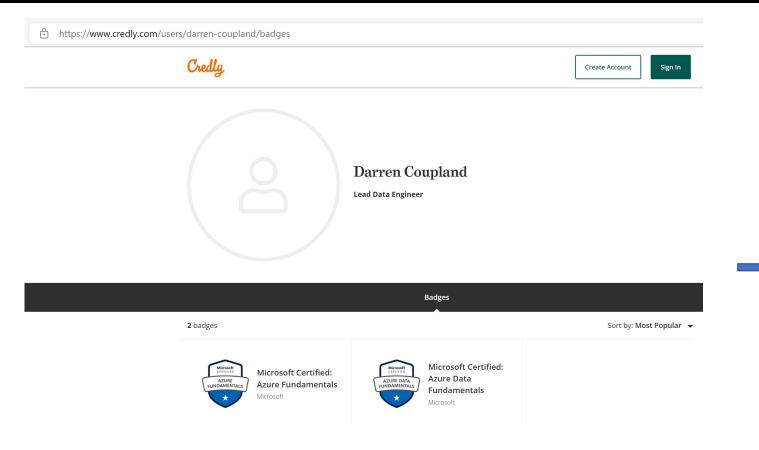
Your first Microsoft Exam

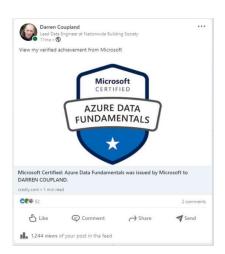


Additional Reading

- How to sit your first Microsoft exam (from home!)
 - https://blog.coeo.com/sitting-microsoft-exams-at-home
- Pearson VUE Online Exam Tips (What you need to know before you do your certification)
 - https://www.youtube.com/watch?v=hV_DpwpzNZI

Sharing your achievements







"I can't keep up!" - Turning Discomfort into Personal Growth in a Fast-Paced World

In a fast-paced world, you need to know how to break down your goals and ambitions into smaller chunks, how to prioritize, and how to optimize your learning



Cathrine Wilhelmsen Keynote @ Data Oslo 2021

https://youtu.be/LIHEZcF63fM

Microsoft Learn

https://docs.microsoft.com/en-us/learn/

Microsoft Ignite Cloud Skills Challenge

https://docs.microsoft.com/en-us/learn/certifications/microsoft-ignite-free-certification-exam-offer-nov-2021 - EXPIRED

Microsoft Free (Virtual) Training Days

https://www.microsoft.com/en-gb/events/training-days/

Microsoft 30 days to learn it (50% off exams)

https://developer.microsoft.com/en-us/offers/30-days-to-learn-it?

https://developer.microsoft.com/en-gb/offers/30-days-to-learn-it/official-rules

Pearson Vue Certification/Exam Testing

Book an exam https://docs.microsoft.com/en-us/learn/certifications/

RSS Aggregation (News/Blogs Feeds)

https://blog.feedly.com/get-the-right-content-on-your-feedly/

https://www.inoreader.com/

Cathrine Wilhelmsen Keynote @ Data Oslo 2021: https://youtu.be/LIHEZcF63fM

Study Guides

AZ-900 – Azure Fundamentals

https://www.microsoft.com/en-gb/events/training-days/

https://docs.microsoft.com/en-us/learn/certifications/exams/az-900

https://marczak.io/az-900/#navigation

https://www.youtube.com/watch?v=t1nB1RYihJg&t=31s



AZ-900 Azure Fundamentals Hints and Tips - Over 100K Views!

John Savill's Technical Training • 133K views • 1 year ago

Just took AZ-900 to get an idea of the level of knowledge required and quickly recorded an hour video based on what I saw of the key things you should know to help be successful. Whiteboard...

Subtitle

DP-900 – Azure Data Fundamentals

https://www.microsoft.com/en-gb/events/training-days/

https://docs.microsoft.com/en-us/learn/certifications/azure-data-fundamentals/

https://www.youtube.com/watch?v=LirvmXjZU90&t=2s



DP-900 Azure Data Fundamentals Exam Cram Whiteboard Video

John Savill's Technical Training

his 80+ minute video is a complete overview of the key topics covered in DP-900, the Microsoft Azure Data Fundamentals ex

John Savill's Technical Training https://lnkd.in/gyZzbmqM

Video and Whiteboard Index		
Video/Playlist	Artifact	
AZ-900 Full Course	AZ-900 Course Handout	
AZ-900 Study Cram	AZ-900 Study Cram Whiteboard	
AI-900 Study Cram	AI-900 Study Cram Whiteboard	
DP-900 Study Cram	DP-900 Study Cram Whiteboard	
MS-900 Study Cram	MS-900 Study Cram Whiteboard	
PL-900 Study Cram	PL-900 Study Cram Whiteboard	
SC-900 Study Cram	SC-900 Study Cram Whiteboard	
AZ-104 Study Playlist		
AZ-104 Study Cram	AZ-104 Study Cram Whiteboard	
AZ-700 Study Playlist		
AZ-700 Study Cram	AZ-700 Study Cram Whiteboard	
AZ-305 Study Playlist		
AZ-305 Study Cram	AZ-305 Study Cram Whiteboard	

Power BI Dashboard in a Day - more free Courses!!!!!

Various different provider resources for Microsoft's Dashboard in a Day course

Pragmatic Works

https://pragmaticworks.com/product/dashboard-in-a-day/ (part of free on-demand training courses offered by Pragmatic Works)

Microsoft Power BI YouTube Channel

https://youtube.com/playlist?list=PL1N57mwBHtN1AGWHnJMhtvJCIG_IIC07D

Other Power BI Related Content

Guy in a Cube: https://www.youtube.com/c/GuyinaCube

Radacad: https://www.youtube.com/channel/UCsOflwAXj1fT6LDqEDEAb4g







coursera

https://docs.microsoft.com/en-us/events/

https://docs.microsoft.com/en-us/shows/

<u>Microsoft Enterprise Skills Initiative</u> * Check with your company if they have ESI https://esi.microsoft.com/



Opportunity to meet new people, learn things, get inspiration, and grow from both a professional and human point of view

- •Talks a speaker talks about a particular topic, and the audience can ask questions at the end;
- •Lightning Talks multiple speakers come and speak for 5-10 minutes on a common topic;
- •Workshops hands-on learning;
- •Social people can hang out and have food and drinks while talking about core topic.

Thank you for attending



Thank you for attending, any feedback on my session (good or bad) is appreciated

