Purpose

This document is for Microsoft Certified Trainers (MCTs) who are preparing to teach either:

- AZ-900T00: Microsoft Azure Fundamentals (2 day), or
- AZ-900T01: Microsoft Azure Fundamentals (1 day)

About these courses

These courses provide foundational level knowledge on cloud concepts; core Azure services; security, privacy, compliance, and trust; and Azure pricing and support.

AZ-900T01: The one-day version of this course does not provide an Azure pass or time for students to participate in hands-on labs during the course. Students can obtain an Azure free trial and do the walkthroughs after class. This course is primarily lecture and instructor demonstrations.

AZ-900T00: The two-day version of this course provides an Azure pass. Students will have time to participate in trainer-directed hands-on labs during the course.

Audience

The audience for these courses is just beginning to learn about cloud computing and how Microsoft Azure provides that service. The courses are suitable for non-technical and technical students, who are involved with cloud services and need an overview of Azure products and services.

AZ-900T01 (one day): This course is more suitable for program managers and technical sales, with a general IT background. These students want to learn about our offerings, see how components are implemented, and ask questions about products and features. This course does not provide an Azure pass or time in the classroom for students to do any hands-on activities. Students can get a free trial and do the walkthroughs outside of class. There is a lot of material to choose from, based on the student's interests. This course is primarily lecture and demonstrations. This course will help prepare someone for the AZ-900 exam.

AZ-900T00 (two day): This course is more suitable for IT personnel who are just beginning to work with Azure. This audience wants to learn about our offerings and get hands-on experience with the product. This course primarily uses the Azure portal to create services and does not require scripting skills. Students in this course will gain confidence to take other role-based courses and certifications, such as Azure Administrator. This course provides an Azure pass and

optional lab environment. This course combines lecture, demonstrations, and hands-on labs. This course will also help prepare someone for the AZ-900 exam.

Note: To pass the certification test, studying outside the course may be required to ensure all the concepts are fully understood.

Certification exam

Both courses are intended to prepare students for the AZ-900: Microsoft Azure Fundamentals exam.

This exam has four study areas. Each study area has a percentage indicating the relative weight of the exam area. The higher the percentage, the more questions students are likely to see in that area.

Study Areas	Weights
Describe Cloud Concepts	20-25%
Describe Core Azure Services	15-20%
Describe core solutions management tools on Azure	10-15%
Describe general security and network security features	10-15%
Describe identity, governance, privacy, and compliance features	20-25%
Describe Azure cost management and Service Level Agreements	10-15%

✔ This exam is not a prerequisite for any other exam. It is a standalone exam offering.

Student Prerequisites

There are no prerequisites for taking this course. However, the more technical knowledge a student has the more they will understand about the cloud. Before class you might suggest students:

- Read through the course outline to ensure the terminology is familiar.
- Browse the cloud computing terms page. This page provides links to basic concepts like virtual machines, cloud storage, and serverless computing.

- Browse the Azure products page. Not everything is going to be covered in class, but students could identify what areas they are most interested in and read about the services before class.

Course Design

Each course is organized into four modules each module supporting an exam study area.

- Module 01 – Describe Cloud concepts
- Module 02 – Describe Core Azure services
- Module 03 – Describe Core Solutions and Management Tools on Azure
- Module 04 – Describe General Security and Network Security Features
- Module 05 – Describe Identity, Governance, Privacy, and Compliance Features
- Module 06 – Azure Cost Management and Service Level Agreements

✔ With the exception of the Azure pass, the content in these courses is identical.

PowerPoint slides

PowerPoint slides are provided to help you teach the course:

- There is a Module 00 PowerPoint file to introduce the course to the students.
- Additionally, each module has its own separate PowerPoint file.

Walkthroughs

In this course, there are many walkthroughs; step-by-step guides for completing a task in Azure.

- You will need to decide which walkthroughs to use in class. The walkthroughs could be demonstrations or hands-on labs (two-day course). Make your decision based on the audience's interests.
- Each walkthrough is divided into tasks. This table provides an estimated time for a student new to Azure. You can expect half that time for an experienced instructor doing a demonstration. These are estimates, your experience may be different.
- Since this is a Fundamentals course, most of the walkthroughs are accomplished in the Azure portal.
- Each walkthrough creates a new resource group and ends with the resource group being deleted. This is to minimize cost.
- Each walkthrough uses the (US) East location. If you would like your students to use a different location, you can provide that information in Module 00.

- For the two-day course, an Azure pass will be provided.
- A virtual machine lab environment is not needed. If a student can connect to Azure and has a subscription, they should be able to complete the labs.
- The walkthrough instructions are posted in a [Microsoft Learning GitHub](). There are no scripts or templates, just lab instructions.
- The student Skillpipe content and instructor labs only list the tasks. The detailed steps are in the GitHub.

Mod/Lesson	Walkthrough	Estimated time
M02/L03	01 - Create a virtual machine	45 mins

M02/L03	02 - Deploy an Azure Container Instance	20 mins
M02/L03	03 -Create a virtual network	45 mins
M02/L03	04 -Create blob storage	25 mins
M02/L03	05 -Create a SQL database	25 mins
M02/L04	06 - Implement Azure IoT Hub	30 mins
M02/L04	07 - Implement Azure functions	30 mins
M02/L04	08 - Create a Web App	25 mins
M02/L05	09 - Create a virtual machine with an ARM Template	30 mins
M02/L05	10 - Create a virtual machine with PowerShell	35 mins
M02/L05	11 - Create a virtual machine with the Azure CLI	35 mins
M03/L02	12 - Secure network traffic	45 mins
M04/L04	13 - Implement Azure Key Vault	15 mins
M04/L05	14 - Create an Azure Policy	30 mins

M05/L05	15 - Manage resources with RBAC	15 mins
M05/L05	16 - Manage resource locks	20 mins
M05/L06	17 - Implement resource tagging	30 mins
M05/L07	18 - Use Azure Trust Center	15 mins
M06/L03	19 - Use the Azure Pricing Calculator	30 mins
M06/L03	20 -Use the Azure Total Cost of Ownership Calculator	20 mins
~~M04/L04~~	~~21 - Open a Support Request~~ (Removed)	~~15 mins~~
M06/L05	22 - Calculate composite SLA	15 mins
M06/L06	23 - Access Azure Preview features	15 mins

Module review questions

Module review questions are provided at the end of each module. You might want to add questions of your own. You can use these review questions in several ways:

- Have the student's pre-test before the course starts, and then at the end of the course show what they have learned.
- As a group, go through the questions before moving on to another module.
- Intersperse the questions into the content as you cover the applicable material.

Reference links

The course content includes many reference links. We recommend you use these links to provide additional detail not included in the content, and to ensure the content is up to date. The Azure documentation is constantly being updated. Pay attention to new capabilities and changing product limits.

Course timing

While the content for these courses should not be particularly challenging, delivering the one-day course in the time provided will likely be the biggest challenge you have. Remember you have discretion and flexibility to decide which Azure features to show. Use this freedom to

quicken or slow the course pace as you need. Also, based on the students' experience, you might be able to skip over or quickly go through certain topics or areas. For students who are going on to the exam, consider the percentage of questions in each area and spend more time in those modules.

Resources

There are a lot of resources to help you and the students learn about Azure. We recommend you bookmark these pages and offer the list to your students.

- [Azure Fundamentals (AZ-900) Certification Page](). Each exam has a description page that outlines the major topics of the exam, how to study, and overall end-to-end process to sign-up and take your exam.

- [Microsoft Learn](). Microsoft Learn offers a free Azure Fundamentals learning path. The path includes sandbox exercises for hands-on experience.

- [Azure forums](). The Azure forums are very active. You can search the threads for a specific area of interest. You can also browse categories such as Azure storage, pricing and billing, Azure VMs, and Azure Migrate.

- [Channel 9](). Channel 9 provides a wealth of informational videos, shows, and events.

- [Azure Friday](). Join Scott Hanselman as he engages one-on-one with the engineers who build the services that power Azure as they demo capabilities, answer Scott's questions, and share their insights.

- [Microsoft Azure Blog](). Keep current on what's happening in Azure, including what's in preview, what's generally available, and news and updates.

Connect with others

Take the time to connect with others and share teaching experiences.

- [MCT Central]() – Your one stop for all things MCT. Stay up to date with the latest MCT news, learn about upcoming events, find job opportunities, or connect with other MCTs around the world. You can also ask questions and discuss a variety of topics including courseware and certification with Microsoft through the MCT central forums.

- [MOC Courseware Support]() – If there are problems with a course or you need to log a support ticket, contact the Official Support channel for MOC courses. This channel is

monitored by support agents and is the quickest way to log your course support issue. It is the official support channel for courseware.

Feedback

This course provides a framework for you to work within. Take time to prepare and think about the value that only an instructor can bring to training. We hope to partner with you to provide an exceptional student experience and we welcome your feedback.

Happy learning!

Courseware Development Team