

Instructor guide for AZ-204: Developing Solutions for Microsoft Azure

This document is for Microsoft Certified Trainers teaching the *AZ-204: Developing Solutions for Microsoft Azure* course.

Key takeaways

1. The **labs and the Walkthroughs are designed to be performed on the VMs** that are provided for the course. The VMs include all necessary tools to complete the Walkthroughs and labs. Labs performed outside of the VMs is an unsupported scenario.
2. To complete the labs and any Walkthroughs in this course, **students need an Azure Subscription**. The recommended way to give students access to Azure is by requesting Microsoft Learning Azure Passes.
3. Course timings are for example only. Some of the presentation sections may take more, or less, time depending on the skills/experience of your students.
4. All of the **Walkthroughs have step-by-step instructions** in the student manual so the students can follow along with the instructor.

AZ-204 certification exam

This course helps students prepare for the [AZ-204: Developing Solutions for Microsoft Azure](#) certification exam.

AZ-204 includes five study areas, as shown in the table. The percentages indicate the relative weight of each area on the exam. The higher the percentage, the more questions you are likely to see in that area.

AZ-204 Study Areas	Weight
Develop Azure compute solutions	25-30%
Develop for Azure storage	10-15%
Implement Azure security	15-20%
Monitor, troubleshoot, and optimize Azure solutions	10-15%
Connect to and consume Azure services and third-party services	25-30%

✓ Note: The relative weightings are subject to change. For the latest information visit the [exam page](#) and review the Skills measured section.

Course Design

These courses are designed to support the certification study areas. Each module in the course matches up with one of the objectives of the exam. This is to make it easier for students to brush up on specific areas of the exam they need to work on.

Labs and Walkthroughs

There is a lab provided for each module in the course. The lab guides are available in the Microsoft Learning GitHub repository for [AZ-204](#).

In addition to the lab guide any supplemental files, like scripts and templates, are also provided.

Important: The labs and the demos are designed to be performed on the VMs that are provided for the course. The VMs include all necessary tools to complete the demos and labs. Labs performed outside of the VMs is an unsupported scenario.

Please ensure your students have the most recent Allfiles for the labs.

1. Go to: <https://github.com/MicrosoftLearning/AZ-204-DevelopingSolutionsforMicrosoftAzure/releases/latest>
2. Expand the Assets list
3. Download the *allfiles-*.zip* file
4. Extract it into your *Allfiles* directory (F:)

✓ **Note:** Students can follow along and perform the demos using the instructions in the student manual. This is a good way to actively engage the students with the content.

Azure Subscriptions

To complete the labs and any demonstrations in this course, students need an Azure Subscription. The recommended way to give students access to Azure is by requesting Microsoft Learning Azure Passes.

- You can request Microsoft Learning Azure Passes for yourself and your students. Ensure that you request these passes at least two weeks before the class starts. After receiving the passes each student will need to activate their pass.
- It is very important you ensure students activate their passes before class. You don't want to lose time configuring the passes.

✓ **Note:** It is also important you ensure the Azure pass can be used for the demos and labs. What's included with the Microsoft Learning Azure Passes can change over time. It's possible these changes may impact demos and labs.

Course timing

The tables below show the approximate daily timings for a five day course delivery. The number of slides is an *approximation*, changes will occur over time. Duration is shown in *h:mm*.

Day 1

Topic	Duration	Start time	End Time
Overview	0:30	9:00 AM	09:30 AM
Module 01 (77 slides)	2:00	9:30 AM	11:30 AM
Break	0:15	11:30 AM	11:45 AM

Topic	Duration	Start time	End Time
Lab 01	0:45	11:45 AM	12:30 PM
Lunch	1:00	12:30 PM	1:30 PM
Module 02 (43 slides)	1:00	1:30 PM	2:30 PM
Break	0:15	2:30 PM	2:45 PM
Lab 02	0:45	2:45 PM	3:30 PM

Day 2

Topic	Duration	Start time	End Time
Day 1 Review	0:15	9:00 AM	09:15 AM
Module 03 (37 slides)	1:00	9:15 AM	10:15 AM
Lab 03	0:45	10:15 AM	11:00 AM
Break	0:15	11:00 AM	11:15 AM
Module 04 (43 slides)	1:00	11:15 AM	12:15 PM
Lunch	1:00	12:15 PM	1:15 PM
Lab 04	0:45	1:15 PM	2:00 PM
Break	0:15	2:00 PM	2:15 PM
Module 5 (25 slides)	1:00	2:15 PM	3:15 PM
Lab 05	0:45	3:15 PM	4:00 PM
Wrap-up	0:15	4:00 PM	4:15 PM

Day 3

Topic	Duration	Start time	End Time
Day 2 review	0:15	9:00 AM	9:15 AM
Module 06 (55 slides)	1:30	9:15 AM	10:45 AM
Break	0:15	10:45 AM	11:00 AM
Lab 06	0:45	11:00 AM	11:45 AM
Lunch	1:00	11:45 AM	12:45 PM
Module 07 (28 slides)	1:00	12:45 PM	1:45 PM
Break	0:15	1:45 PM	2:00 PM
Lab 07	0:45	2:00 PM	2:45 PM

Topic	Duration	Start time	End Time
Module 08 (36 slides)	1:00	2:45 PM	3:45 PM
Wrap-up	0:15	3:45 PM	4:00 PM

Day 4

Topic	Duration	Start time	End Time
Day 3 review	0:15	9:00 AM	9:15 AM
Lab 08	0:45	9:15 AM	10:00 AM
Break	0:15	10:00 AM	10:15 AM
Module 9 (52 slides)	1:30	10:15 AM	11:45 AM
Lab 09	0:45	11:45 AM	12:30 PM
Lunch	1:00	12:30 PM	1:30 PM
Module 10 (18 slides)	1:00	1:30 PM	2:30 PM
Lab 10	0:45	2:30 PM	3:15 PM
Wrap-up	0:15	3:15 PM	3:30 PM

Day 5

Topic	Duration	Start time	End Time
Day 4 review	0:15	9:00 AM	9:15 AM
Module 11 (47 slides)	1:00	9:15 AM	10:15 AM
Lab 11	0:45	10:15 AM	11:00 AM
Break	0:15	11:00 AM	11:15 AM
Module 12 (27 slides)	1:00	11:15 AM	12:15 PM
Lunch	1:00	12:15 PM	1:15 PM
Lab 12	0:45	1:15 PM	2:00 PM
Closing	0:30	2:00 PM	2:30 PM

Preparing to Teach

In the next sections we will cover the main course components and how they can be used in class. This includes PowerPoint slides, module review questions, reference links, walkthroughs, and labs. There is a lot of flexibility in how you use this content to create the best learning experience for your students.

PowerPoint Slides

PowerPoint slides are provided to help you teach the course. But if you simply read the slide you will not have enough content to fill the scheduled time. Be sure to go through the materials in the main content for the course to ensure you're covering things fully.

- There is a Module 00 PowerPoint file. This includes an agenda, listing modules and lessons for the course. We recommend you customize this file for your specific situation. For example, you could add an introduction slide and an overview of the classroom facilities.
- The PowerPoint files will include slides that are designated as Walkthroughs. The course includes a good deal of hands-on guidance that is combined with additional information to create a richer learning experience for the student.

Walkthroughs presented in the course

The student materials contain all of the walkthroughs in the course. You might choose to have them follow along as you perform the walkthrough. Students should use the VMs included with the course when completing these, they contain all of the tools necessary to complete them.

Many of the walkthroughs include links to tools used in the demos. These links are provided **only** for the scenario where the student wishes to practice on their own.

Module Review Questions

Module review questions are provided at the end of the module. Note these questions are not at the level of the certification exam. You may wish to supplement with questions of your own choosing.

You can use these review questions in several ways:

- As a group, go through the questions before moving on to another section.
- Sprinkle the questions into the content as you cover the appropriate material.

Reference Links

The course content for the students includes many reference links. The main reason for this is the Azure documentation is constantly being updated.

- Before you teach the course, use the reference links to validate the content is still current. Pay attention to capabilities and limits. For example, preview features and virtual machine sizes.
- Let students know they can use the reference links after the course to review and confirm what they learned.

Course resources

There are a lot of resources to help you learn about Azure. We recommend you bookmark these pages.

- [Microsoft Learning Community Blog](#): Get the latest information about the certification tests and exam study groups.
- [Microsoft Learn](#): Free role-based learning paths and hands-on experiences for practice

- [Azure Fridays](#): Join Scott Hanselman as he engages one-on-one with the engineers who build the services that power Microsoft 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 now in preview, generally available, news & updates, and more.
- [Azure Documentation](#): Stay informed on the latest products, tools, and features. Get information on pricing, partners, support, and solutions.

Connect with others

- 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 and other MCTs 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.

Feedback

These courses are different from the traditional MOC courses that have been provided in the past. We have provided a framework for you to work with. 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!

Azure Developer Courseware Development Team