Update – May 2021

Main Update: This is a *minor* update that is designed to align the flow of the courseware with the PowerPoint slides. Whether your learner is following along in SkillPipe or Learn, or taking the content after the fact, they should a similar content flow to what is being taught.

The content is aligned to both content topics and walkthrough labs, and includes introductions to each lesson, with knowledge check and summary lessons that cover the entire module.

The PowerPoint notes have links to all the corresponding Learn URLs, and the corresponding free Learn sandbox exercises also have their URLs included in the PPT notes.

We have also included all the new short videos that have been produced to enhance the content that was initially launched at the end of last calendar year.

Topics Added / Removed:

Added:

- Azure SQL Managed Instance (located in Module 2, Lesson 6)

Removed:

- None

Update – 6 November 2020

Main Update: There was / is a major restricting of the Exam OD, Exam, and this training to a 6 Functional Group layout. This change was made as part of the JTA-refresh of AZ-900 Azure Fundamentals to ensure the exam and its content better aligns with the customers needs. This new layout ensure that customers are trained, tested, and certified on the topics they will need to start using Azure within their business. Note that most of the content did not change, with more than 90% or the Main Tasks and Subtasks remaining the same just being organized into the new structure. Here is a comparison of the old and new exam-OD's:

New – 6 Functional Group	Original – 4 Functional Group
Describe Cloud Concepts	Describe Cloud Concepts
Describe Core Azure Services	Describe Core Azure Services
Describe Core Solutions Management Tools	
Describe Security and Network Security	Describe security, privacy, compliance, and trust
Describe Identity, Governance, Privacy, and Compliance	
Describe Azure Cost Management and SLA	Describe Azure pricing, SLAs, and Lifecycles

Topics Added / Removed: There are multiple topics that were added and removed from the original AZ-900 OD and training. Below is a sample of the largest of those updates.

Removed:

- Economies of Scale
- Virtual Machine Scale Sets
- Availability Sets
- Load Balancer

- Support (note: that this was technically removed during the June refresh)

Added:

- Azure Resource Manager Templates (ARM and JSON)
- Windows Virtual Desktop
- Azure Sphere
- ExpressRoute and Virtual Network peering
- GitHub and GitHub Actions
- Azure Sentinel
- Azure Dedicated Host
- Conditional Access
- Cloud Adoption Framework

Walkthroughs

- All the walkthroughs were tested to ensure MCTs can use the steps for a demonstration or a student lab. The walkthroughs are in a GitHub repository.

AZ-900T00 Microsoft Azure Fundamentals Change Log

Mod/Lesson	Walkthrough	Comment
M02/L03	Create a virtual machine	Minor bug fix to align to new UI
M02/L03	Deploy an Azure Container Instance	No change
M02/L03	Create a virtual network	Change to add a Network tab instruction due to UI change
M02/L03	Create blob storage	No update
M02/L03	Create a SQL database	No update
M02/L04	Implement IoT Hub	No update
M02/L04	Implement Azure functions	Rework due to UI changes.
M02/L04	Create a Web App	No change
M02/L05	Create a virtual machine with a template.	No change
M02/L05	Create a virtual machine with PowerShell	No change
M02/L05	Create a virtual machine with the Azure CLI	No change
M02/L05	Save an Advisor recommendations report	Merged into previous two labs
M03/L02	Secure network traffic	Updated based on UI change
M03/L04	Implement Azure Key Vault	No change
M03/L05	Create an Azure Policy	No change
M03/L05	Manage resources with RBAC	No change
M03/L05	Manage resource locks	No change
M03/L06	Implement tagging	No change
M03/L07	Use Azure Trust Center	Partial update, more to come as Azure Trust Center is changing its focus. Lab might be removed in next round of updates.
M04/L03	Use the Azure Pricing Calculator	Minor update for UI.
M04/L03	Use the Azure Total Cost of Ownership Calculator	Minor update for UI change.
~~M04/L04~~	~~Open a Support Request~~	~~Removed!~~
M04/L05	Calculate composite SLA	No change.
M04/L06	Access Azure Preview features	Minor update to align with new Preview Features.

All Modules

All content was reviewed and updated.

- Ensured a 1:1 mapping between the Skillpipe topics and the Instructor slides. And did some minor alignment with MS Learn content. This may have required a Skillpipe topic to be broken into two parts.
- Changed to more inclusive language by removing terms like *see.*
- New versions of the module review questions.
- Ensured the product icons were correct and up to date.
- Changed the PPT template to a new template with consistent product based color-scheme and more consistent use of graphics versus text on screen.

Module 0

No change

Module 1

Formatting changes and some minor tweaks to content. Flow and actual content did not change.

Module 2

Content slip into two modules to align with the new Exam OD 6-Functional-Group version.

Module 3

New module added Describe Core Solution and Management Tools in Azure. This module is primarily content moved over from the original Module 2. It brings together all the add-on features that exist in Azure that customers can use to build / enhance their solutions. The include topics like AI, Cognitive Services, and databases that were in the previous course. And we added some topics around GitHub, GitHub Action, and a few items around Serverless computing.

Module 4

Module was renamed to General security and network security features in Azure, and renumbered from Module 3 to Module to allow for the new Module 3. The content is all carry over from the previous security module, but focusing only on security features. A brief overview of Azure Sentinel and Azure Dedicated Hosts was added to the content.

Module 5

New module created based on the next Exam OD called Describe Identity, Governance, Privacy, and Compliance features. Almost all of the content for this module was moved intact from the previous security module. Topics around Online Service Terms (OST) and Data Protection Amendments (DPA) were added to the materials to support new security lifecycle topics.

Module 6

No major change to this module other than it was renumbered to align with the 6-Functional-Group Exam OD.

Historical Update Record

Update - 19 June 2020

Main Update: There was a minor change to the OD to remove Support from the "Azure Pricing and Support" functional group and to rename that group to "Azure, Pricing, Service Level Agreements, and Lifecycles." We made to main changes to account for this:

1) Renamed Module 4 to ❼ Azure Pricing, Service Level Agreements, and Lifecycle to align with the OD.

Note: All the content was reviewed with some minimal updates made as necessary. There were no major changes to any content, or the ordering of the materials. It is recommended that you briefly

2) Deleted the Support Options lesson from this module, and its corresponding review questions.

review each page, but you should not seem much change.

Walkthroughs

- All the walkthroughs were tested to ensure MCTs can use the steps for a demonstration or a student lab. The walkthroughs are in a GitHub repository.

Mod/Lesson	Walkthrough	Comment
M02/L03	Create a virtual machine	
M02/L03	Deploy an Azure Container Instance	
M02/L03	Create a virtual network	
M02/L03	Create blob storage	
M02/L03	Create a SQL database	
M02/L04	Implement IoT Hub	
M02/L04	Implement Azure functions	Rework due to UI changes.
M02/L04	Create a Web App	
M02/L05	Create a virtual machine with a template.	
M02/L05	Create a virtual machine with PowerShell	
M02/L05	Create a virtual machine with the Azure CLI	
M02/L05	Save an Advisor recommendations report	

M03/L02	Secure network traffic	
M03/L04	Implement Azure Key Vault	
M03/L05	Create an Azure Policy	
M03/L05	Manage resources with RBAC	
M03/L05	Manage resource locks	
M03/L06	Implement tagging	
M03/L07	Use Azure Trust Center	
M04/L03	Use the Azure Pricing Calculator	
M04/L03	Use the Azure Total Cost of Ownership Calculator	
M04/L04	Open a Support Request	
M04/L05	Calculate composite SLA	
M04/L06	Access Azure Preview features	

- Added Tasks to the walkthroughs so it is easier to read and understand. Updated the slides.

All Modules

All content was reviewed and updated.

- Ensured a 1:1 mapping between the Skillpipe topics and the Instructor slides. And did some minor alignment with MS Learn content. This may have required a Skillpipe topic to be broken into two parts.
- Changed to more inclusive language by removing terms like *see.*
- Minor updates the module review questions.
- Removed the module review questions from the slide deck, and instead put a placeholder slide.
- Removed PPT Notes that repeated content already in Skillpipe. Retained Azure Documentation links so the Instructor has a quick reference.

- Ensured the product icons were correct and up to date.
- Changed the PPT template to a new template with consistent product based color-scheme and more consistent use of graphics versus text on screen.

	Schema	Data relationships	Examples
Structured data	Adheres to a schema, with the same data fields or properties	Storable in relational database tables, with rows and columns	Sensor data and financial data
Semi-structured data	Has an ad hoc schema with less organized fields and properties	Non-relational or NoSQL data, not storable in tables, rows and column	Books, blogs, and HTML documents
Unstructured data	Has no designated schema or data structure	Non-relational or blob data, with no restrictions on kinds of data blobs contain	PDFs, JPGs, JSON objects, and videos

Module 0

No change

Module 1

Formatting changes and some minor tweaks to content. Flow and actual content did not change.

Module 2

Formatting changes and some minor tweaks to content. Flow and actual content did not change.

Module 3

Formatting changes and some minor tweaks to content. Flow and actual content did not change.

Module 4

REMOVED -- Lesson 04, Support Plan Options

Update – December 2019

- All modules refreshed and split up to make sure there was a 1-to-1 match of SkillPipe and Slide deck content.
- Added a few new labs and removed 3 labs that were over-complex.
- Tweaked the slide template.

Update – September 2019

- Module 2 • AZ-900T01 Microsoft Azure Fundamentals-02.pptx – slide 20 - Azure network services. Text updated to correctly explain listed services.

Update - June 2019

Global Change – New walk-throughs

- Mod 2 >M02-Core Azure Services\L03-Core Azure Services and Products\04-Walkthrough-Create a Virtual machine using Azure Portal
- Mod 2 >M02-Core Azure Services\L03-Core Azure Services and Products\07-Walkthrough-Create a virtual network via the Azure Portal
- Mod 2 >M02-Core Azure Services\L03-Core Azure Services and Products\08-Walkthrough-Deploy Azure Container Instances (ACI) in Azure Portal
- Mod 2 >M02-Core Azure Services\L03-Core Azure Services and Products\12-Walkthrough-Create Blob storage
- Mod 2 >M02-Core Azure Services\L03-Core Azure Services and Products\15-Walkthrough-Create a SQL database
- Mod 2 >M02-Core Azure Services\L04-Azure Solutions\03-Walkthrough-Add IoT device to Azure IoT Hub
- Mod 2 >M02-Core Azure Services\L04-Azure Solutions\10-Walkthrough-Run serverless code with Azure Functions in Azure portal
- Mod 2 >M02-Core Azure Services\L05-Azure Management Tools\04-Walkthrough-Working with the Azure CLI
- 05-Walkthrough-Create VMs from a script with Azure PowerShell
- Mod 2 >M02-Core Azure Services\L05-Azure Management Tools\06-Walkthrough-Install IIS webserver on a VM with Azure Cloud Shell
- Mod 2 >M02-Core Azure Services\L05-Azure Management Tools\09-Walkthrough-Save a recommendations report with Azure Advisor
- Mod 3-Security, Privacy, Compliance and Trust\L02-Securing network connectivity in Azure\03Walkthrough-Implement an Azure Firewall using Azure Portal
- Mod 4-Azure Pricing and Support\L03-Planning and Managing costs\09-Walkthrough-Download an Azure Pricing Calculator estimate
- Mod 4-Azure Pricing and Support\L03-Planning and Managing costs\11-Walkthrough-Download an Azure TCO Calculator cost comparison report

Additional Recorded Demos added to Mod 2 and Mod 4.

- Mod 2 >M02-Core Azure Services\L03-Core Azure Services and Products\ 05DemoDeploy Azure Container Instances (ACI) in Azure Portal
- Mod 2 >M02-Core Azure Services\L04-Azure Solutions\03-Demo-Add IoT device to Azure IoT Hub
- Mod 2 >M02-Core Azure Services\L04-Azure Solutions\11-Demo-Run serverless code with Azure Functions in Azure portal
- Mod 2 >M02-Core Azure Services\L05-Azure Management Tools\05-Demo-Create VMs from a script with Azure PowerShell

- Mod 2 >M02-Core Azure Services\L05-Azure Management Tools\07-Demo-Install IIS webserver on a VM with Azure Cloud Shell.md
- Mod 2 >M02-Core Azure Services\L05-Azure Management Tools\10-Demo-Save a recommendations report with Azure Advisor
- Mod 4-Azure Pricing and Support\L03-Planning and Managing costs\09DemoGenerate an Azure Pricing Calculator estimate
- Mod 4-Azure Pricing and Support\L03-Planning and Managing costs\12DemoGenerate an Azure TCO Calculator cost comparison report

Other changes

- Module 3 - L06-Monitoring and Reporting in Azure - Additional topic added on Tags
- Module 4 - L02-Azure Subscriptions - Additional topic added on Object Hierarchy

Update - May 2019

Global Change – Change across all modules

- Graphics have been updated in course content and also in ppts. This includes new graphics, changes to in resolution, reformatting and updates for accessibility color contrasts. This affects all modules.
- Walkthrough steps have been added to PPT instructor notes.

Update - Jan 2019

Global Change – Change across all modules

All video files have been updated to remove an avatar that was present in them. This affects all video files in all modules.

Module 2

Five Walkthrough topics have been added at the locations below. These are to provide optional step-bystep hands on tasks for students to follow or complete.

Lesson 03-Core Azure Services and Products.

- 04-Walkthrough-Create a Virtual machine using Azure Portal.md
- 07-Walkthrough-Create a virtual network via the Azure Portal.md
- 10-Walkthrough-Create Blob storage.md
- 14-Walkthrough-Create a SQL db.md Lesson 05-Azure Management Tools

- 04-Walkthrough-Working with the Azure CLI