Purpose

The purpose of this document is to highlight the significant changes to the **AZ-303T00: Azure Architect Technologies** course from the previous release. This document is for Microsoft Certified Trainers and Instructors to prepare for teaching the class.

This is not an error log or a supplement to the course materials. This document just provides additional context so that you can understand the major changes. Most of the course materials in the MCT Download Center have been updated to fix typos, broken links, and formatting. <mark>So, we recommend you always download the latest copies.</mark>   Please read the Instructor Preparation Guide which provides the overall strategy for teaching this course.

<mark>The Architect track is being redesigned and is expected to be complete by the end of the year. In the meantime, this update is provided as a way forward until the new content is ready. Every effort was made to provide a better instructor and student experience. The slide decks were updated and the Skillpipe content aligned. Additional GitHub labs were not provided. To ensure more student interactivity please use the Instructor Demonstrations or the Learn exercises referenced at the end of each module.</mark>

Update – 23 July 2021

New Slide Decks

- Created new slide decks with the Microsoft look and feel.
- Added a Module Summary and Resource slide. This is a reminder to complete the review questions. Also, to show some of the Learn modules that students can use to extend their study. Many of these Learn modules have student exercises. The Welcome section includes a list of relevant Learn modules all in one place.
- The Skillpipe student content was aligned with the new slide decks.

Module Changes

- Modules 3, 4, 7, 9, 10, 11, 12, 14, 15. Only minor reorganization or renaming. Some variation in topic and slide naming is expected.
- Module 01. This module has the most significant reordering. The Domain and Custom Domain lesson has been renamed Managing Azure AD Tenants. Topics (Multiple Directories and Azure AD B2B and B2C) from Users and Groups were moved into this lesson. The Conditional Access lesson and Trusted IP lessons were merged. The Users and Groups and Guest User lessons were combined.
- Module 02. Removed AD Join (no longer on OD). Added more detailed slides on the authentication methods. Consolidated and reordered to give a better understanding.
- Module 05. Moved the WAF topics into the Application Gateway lesson. Added a Firewall Manager topic.
- Module 06. Added a Files lesson (3 topics). Removed the Accessing Blobs and Queues lesson and just added a single topic in the Storage Security lesson. Removed the Managing Storage lesson and moved a single Data Transfer topic to Lesson 01. Removed slides were put at the end of the deck if you still want to cover them.

- Module 08. Combined L01 and L02 into a single SQL lesson.
- Module 10. Combined the first two lessons into a single RBAC lesson.
- Module 13. Moves the ACI lesson before the AKS lesson.
- Module 15. Lesson reordered to give a better understanding.

Update – 3/19/21

Update to formatting, grammar, and lab descriptions.

Update – 11/20/20

The reordering of modules 1-15 to optimize the flow of teaching in the classroom.

Below is the new module order with callouts to the previous module order.

Module 1: Implement Azure Active Directory (*Previously Module: 06*)

- Lesson 1: Overview of Azure Active Directory

- Lesson 2: Create Management Groups, Subscriptions, and Resource Groups - Lesson 3: Users and Groups

- Lesson 4: Domains and Custom Domains

- Lesson 5: Azure AD Identity Protection

- Lesson 6: Implement Conditional Access

- Lesson 7: Configure Fraud Alerts for MFA

- Lesson 8: Configure Trusted IPs

- Lesson 9: Configure Guest Users in Azure AD

- Lesson 10: Module 1 Review Questions

Module 2: Implement and Manage Hybrid Identities (*Previously Module: 08*)

- Lesson 1: Install and Configure Azure AD Connect

- Lesson 2: Configure Password Sync and Password Writeback

- Lesson 3: Configure Azure AD Connect Health

- Lesson 4: Module 2 Review Questions

Module 3: Implement Virtual Networking (*Previously Module: 01*)

- Lesson 1: Virtual Networking

- Lesson 2: Virtual Network Peering

- Lesson 3: Implement VNet Peering

- Lesson 4: Module 3 Review Questions

Module 4: Implement VMs for Windows and Linux (*Previously Module: 02*)

- Lesson 1: Overview Running Linux and Windows Virtual Machines on Azure

- Lesson 2: Select Virtual Machine Size

- Lesson 3: Configure High Availability

- Lesson 4: Implement Azure Dedicated Hosts

- Lesson 5: Deploy and Configure Scale Sets

- Lesson 6: Configure Azure Disk Encryption

- Lesson 7: Module 4 Review Questions

Module 5: Implement Load Balancing and Network Security (*Previously Module: 04*)

- Lesson 1: Implement Azure Load Balancer

- Lesson 2: Implement an Application Gateway

- Lesson 3: Web Application Firewall

- Lesson 4: Implement Azure Firewall

- Lesson 5: Implement Azure Front Door

- Lesson 6: Implementing Azure Traffic Manager

- Lesson 7: Implement Network Security Groups and Application Security Groups

- Lesson 8: Implement Azure Bastion

- Lesson 9: Module 5 Review Questions

Module 6: Implement Storage Accounts (*Previously Module: 05*)

- Lesson 1: Storage Accounts

- Lesson 2: Blob Storage

- Lesson 3: Storage Security

- Lesson 4: Managing Storage

- Lesson 5: Accessing Blobs and Queues using AAD

- Lesson 6: Configure Azure Storage Firewalls and Virtual Networks

- Lesson 7: Module 6 Review Questions

Module 7: Implement NoSQL Databases (*Previously Module: 14*)

- Lesson 1: Configure Storage Account Tables

- Lesson 2: Select Appropriate CosmosDB APIs

- Lesson 3: Module 7 Review Questions

Module 8: Implement Azure SQL Databases (*Previously Module: 15*)

- Lesson 1: Configure Azure SQL Database Settings

- Lesson 2: Implement Azure SQL Database Managed Instances

- Lesson 3: High-Availability and Azure SQL Database

- Lesson 4: Module 8 Review Questions

Module 9: Automate Deployment and Configuration of Resources (*Previously Module: 03*)

- Lesson 1: Azure Resource Manager Templates - Lesson 2: Save a Template for a VM

- Lesson 3: Evaluate Location of New Resources

- Lesson 4: Configure a Virtual Hard Disk Template

- Lesson 5: Deploy from a Template

- Lesson 6: Create and Execute an Automation Runbook

- Lesson 7: Module 9 Review Questions

Module 10: Implement and Manage Azure Governance Solutions (*Previously Module: 07*)

- Lesson 1: Create Management Groups, Subscriptions, and Resource Groups

- Lesson 2: Overview of Role-Based Access Control (RBAC)

- Lesson 3: Role-Based Access Control (RBAC) Roles

- Lesson 4: Azure AD Access Reviews

- Lesson 5: Implement and Configure an Azure Policy

- Lesson 6: Azure Blueprints

- Lesson 7: Lab

- Lesson 8: Module 10 Review Questions

Module 11: Manage Security for Applications (*Previously Module: 11*)

- Lesson 1: Azure Key Vault

- Lesson 2: Azure Managed Identity

- Lesson 3: Module 11 Review Questions

Module 12: Manage Workloads in Azure (*Previously Module: 09*)

- Lesson 1: Migrate Workloads using Azure Migrate

- Lesson 2: VMware Agentless Migration

- Lesson 3: VMware Agent-Based Migration

- Lesson 4: Implement Azure Backup

- Lesson 5: Azure to Azure Site Recovery

- Lesson 6: Implement Azure Update Management

- Lesson 7: Lab

- Lesson 8: Module 12 Review Questions

Module 13: Implement Container-Based Applications (*Previously Module: 13*)

- Lesson 1: Azure Container Instances

- Lesson 2: Configure Azure Kubernetes Service

- Lesson 3: Module 13 Review Questions

Module 14: Implement an Application Infrastructure (*Previously Module: 12*)

- Lesson 1: Create and Configure Azure App Service
- Lesson 2: Create an App Service Web App for Containers
- Lesson 3: Create and Configure an App Service Plan
- Lesson 4: Configure Networking for an App Service
- Lesson 5: Create and Manage Deployment Slots
- Lesson 6: Implement Logic Apps
- Lesson 7: Implement Azure Functions
- Lesson 8: Labs
- Lesson 9: Module 14 Review Questions

Module 15: Implement Cloud Infrastructure Monitoring (*Previously Module: 10*)

- Lesson 1: Azure Infrastructure Security Monitoring
- Lesson 2: Azure Monitor
- Lesson 3: Azure Workbooks
- Lesson 4: Azure Alerts
- Lesson 5: Log Analytics
- Lesson 6: Network Watcher
- Lesson 7: Azure Service Health
- Lesson 8: Monitor Azure Costs
- Lesson 9: Azure Application Insights
- Lesson 10: Unified Monitoring in Azure
- Lesson 11: Module 15 Review Questions

Additionally, updates to Skillpipe and PowerPoint content includes:
  • Grammar, punctuation, formatting

Update – 10/23/20

Updates to Skillpipe and PowerPoint content includes grammar, punctuation, formatting

Module 1

  • Moved to topic in *Module 01/Lesson 01/Lesson-Virtual Networking/Choose Between Virtual Network Peering and VPN Gateways in Azure* **to** *Modules 01/Lesson*

02. Also, moved the slide to Lesson 02.

Module 2

- Updated slide 20 (Zones 1, 2, 3)
- Updated slide 21 (Virtual Machine Scale Sets)
- Added "Confidential compute" to *Module 02/Lesson 06/ Determine the Size of the VM*
- Added "Confidential compute" to *Module 02/Lesson 06/ Virtual Machine Sizes (Windows and Linux)*

Module 3

- Updated *the Lesson 03/Lesson 01/ What's in a Resource Manager Template* topic with schema.management.azure.com information **Module 5**
- Added GZRS and RA-GZRS references to slide 09 and in Skillpipe
- Updated slides 15 and 16
- Updated slides throughout the module

Module 6

- Updates slides 06, 07, 23, 42, 43, 55

Module 7

- Updated slide 05 Module 8
- Updated slides 17 & 18   Module 9
- Updated Module 09/Lesson 02 references to Replication appliance.

Module 10

- Moved following topics from *Module 10/Lesson 01* **to** *Module 10/Lesson 10*:
    - o Azure Security Center
    - o Strengthened Security Posture
    - o Protect Against Threats with Azure Security Center
- Moved lesson entitled "Monitor Azure Costs" to Lesson 10   **Module 11**
- Updated the image in *Module 11 / Lesson 01 / Using Managed Identities with Azure Resources*

Module 12

- Updated *Module 12/Lesson Implement Azure Functions/Azure Functions* with new text and added a graphic
- Updated the *Module 12/Lesson 03/App Service Plan Pricing* Tiers topic with revised pricing table
- Updated *Module 12/Lesson 03/Configure Networking for an App Service* with the following topics:
- Integrate an App with an Azure Virtual Network
- Enable VNet Integration

- Regional VNet Integration

Update – 8/7/20

Updates included - Grammar, punctuation, formatting.

Module 6

Added the following topic to M06-Implement Azure Active Directory/L01-Overview of Azure Active Directory/03-Devices in Azure AD. Updated the slides.

Module 7

Added the following topic to Modules/M07-Implement and Manage Azure Governance/L02Overview of Role-Based Access Control (RBAC)/03-How RBAC Works. Updated the slides.

Module 8

Updated the following topic to Modules/M07-Implement and Manage Azure Governance/L02-Overview of Role-Based Access Control (RBAC)/03-How RBAC Works. Updated the slides.

Update – 6/30/20

Minor updates to the following slides: Grammar, punctuation, formatting.

AZ-303T00A-ENU-PowerPoint_01.pptx

AZ-303T00A-ENU-PowerPoint_02.pptx

AZ303T00A-ENU-PowerPoint_03.pptx

AZ-303T00A-ENU-PowerPoint_04.pptx

AZ- 303T00A-ENU-PowerPoint_05.pptx

AZ-303T00A-ENU-PowerPoint_06.pptx

AZ-303T00A -ENU-PowerPoint_07.pptx •

AZ-303T00A-ENU-PowerPoint_08.pptx

AZ-303T00A-ENU-PowerPoint_09.pptx

Update – 7/2/20

Minor updates to all modules in the course including grammar, punctuation, formatting, and resizing of graphics.

Update – 7/13/20

Update to AZ-303T00A-ENU-TrainerPrepGuide.pdf to include online lab file names.

Update – 7/17/20

Updated the direct online lab links to the GitHub repository.

Module 2

- Consolidated Lesson 2: Select Virtual Machine Size into lesson 1. Updated the slides for lesson 1.
- Moved the VMSS topic to Lesson 3. Updated the slide deck for module 2.
- Reordered Lesson: Deploy and Configure Scale Sets and Lesson: Implement Azure VM Dedicated Hosts.
- Removed the "Encryption for Windows and Linux VMs" topic.

Module 3

- Moved the "What's in a Resource Manager Template" topic ahead of "Overview of Resource Manager Templates" topic. Updated the slides.
- Removed the "Set the Location for a Resource Group " topic and slide.
- Removed the "Create and Deploy from a ARM Template" topic from Lesson 6 and the slide.

Module 4

- Moved the lesson for "Implement Azure Firewall" after the lesson "Traffic Manager." Updated the slides.
- Updated the "Distributing Network Traffic" topic in Lesson 5 and the slide.   **Module 5**
- Removed the "Data Box," "Storage Explorer," and "Demonstration: Storage Explorer" topics from Lesson 4. Updated the slides.
- Reordered so that "Accessing Blobs and Queues using AAD" follows "Storage Security." Updated the slides.
- The topic "Storage Account Keys" has been moved to Lesson 3.Updated the slides.

Module 6

- Lesson 1 topics for MFA and SSPR moved to Lesson 7: Conditional Access and Fraud Alerts. Updated the slides.

Module 7

- "Management Groups" topic added to Lesson 1 and slides.

- Reduced the slides for the topic "Subscription and Service General Limits" to one slide.

Module 8

- Added Hybrid Identity overview lesson topic as lesson 1. Updated the slides.

- Added Single Sign-On topic to Lesson 2. Updated the slides.

Module 9

- Updated references/recommendations for Agentless and Agent-based. Updated the slides.

- Lesson 6: Implement Azure Update Management. Updated the slides.   **Module 10**
- Moved the lesson the "Azure Workbooks" after Lesson 6: Azure Service Health. Updated the slides.

Module 11

- Set the module order to Module 1: Azure Managed Identity and Lesson 2: Azure Key Vault. Updated the slides.

- Added topic entitled "Azure Service Principals" to Module 6, Lesson 2. Updated the slides.

- Added topic in Lesson 2: Demonstration - Configure Certificate Auto-Rotation in Key Vault. Updated the slides.

Module 12

- Reordered to Lesson 7: Implement Azure Functions and Lesson 8: Implement Logic Apps and slides. Updated the slides.

Thank you,
The Azure Architect documentation team.