

Change Log: Azure Solutions Architect AZ-300

Purpose

- The purpose of this document is to highlight the significant changes to the Microsoft Azure Solutions Architect courses AZ-300: T01, T02, T03, T04, and T06. This document is for Microsoft Certified Trainers and Instructors to use before they deliver the class or during preparation for teaching the class.
- This is not an error log or a supplement to the Course Materials. This document provides additional context so that you can understand the major changes to the course content. Other changes such as fixing typos, broken links, formatting, and minor technical corrections, are not documented. We recommend you always download the latest course materials from the MCT Download Center.
- **NOTE:** Updated – 31 January 2020

All Courses (AZ-300: T01, T02, T03, T04, and T06)

- Updates to all prior PowerShell AzureRM module references with the most recent Azure PowerShell Az modules.
- **NOTE:** For the most recent version of online lab materials, see:
<https://github.com/MicrosoftLearning/AZ-300-MicrosoftAzureArchitectTechnologies>.
 - You can have students do the lab at the end of the course or wherever you determine it makes the most sense to do the individual exercises.

7/13/20 Update

Module 03 - Configuring and Managing Virtual Networks

- Updated slide 12: Virtual Machine Sizes (Linux and Windows)

2/15/20 Update

AZ-300T01

- Updated all PowerShell AzureRM module references to the most recent Azure PowerShell Az modules.

Module 01 - Managing Azure Subscriptions and Resources

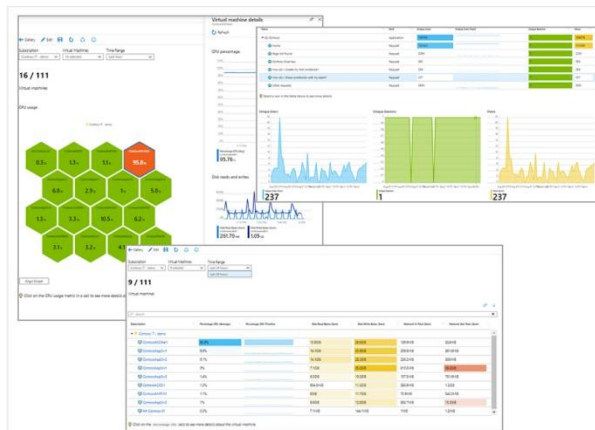
Lesson 1-Exploring Monitoring Capabilities in Azure

- Renamed topic 2: Overview of Azure Monitor **to** Overview of Azure Monitor logs
- Updated Lesson 5-Subscriptions and Accounts, topics Resource Tags, with the following:
 - “Each resource or resource group can have a maximum of 50 tag name/value pairs.”
- Added Lesson 6: Azure Monitor Workbooks ○ Added topic: Azure Monitor workbook visualizations

Visualizations

Workbooks provide a rich set of capabilities for visualizing your data. For detailed examples of each visualization type you can consult the example links below:

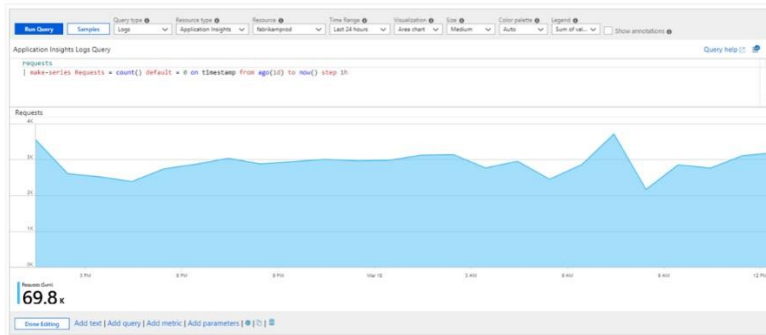
- [Text](#)
- [Charts](#)
- [Grids](#)
- [Tiles](#)
- [Trees](#)
- [Graphs](#)



- Added topic: Azure Monitor books

Workbooks allow monitoring data to be presented as charts. Supported chart types include line, bar, bar categorical, area, scatter plots, pie and time. Authors can choose to customize the height, width, color palette, legend, titles, no-data message, etc. of the chart.

Workbooks support charts for both logs and metric data sources.



Module 02 - Implementing and Managing Storage

Updated Lesson 1-Azure Storage Accounts, topics Storage Types, with the following bullets:

- FileStorage accounts: Files-only storage accounts with premium performance characteristics. Recommended for enterprise or high performance scale applications.
- BlobStorage accounts: Legacy Blob-only storage accounts. Use general-purpose v2 accounts instead when possible.

Module 03 - Configuring and Managing Virtual Networks

Lesson 1-Creating Virtual Machines

- Added topic: Virtual Machine Sizes (Linux and Windows)
- Added topic: Azure Dedicated Host

Module 04 - Configuring and Managing Virtual Networks

- Removed topic: Secure Access to Storage Endpoints and Demonstration - Service Endpoints
- Renamed topic: Implementing VNet-to-VNet VPN to Implementing VNet-to-VNet Connections
- Added new Lesson: Network Security Groups
 - Added the following topics:
 - ✦ Network Security Groups
 - ✦ NSG Rules
 - ✦ NSG Effective Rules
 - ✦ Creating NSG Rules
 - ✦ Demonstration – NSGs
- Removed Lesson 7-Review Questions, the following questions:

- Limitations on Virtual Networks
- User-defined Routing

Module 05 - Managing Identities

- Removed video reference in Lesson 1-Managing Azure Active Directory (AAD), topics Authentication Methods for Password Reset.

AZ-300T02

- Updated all PowerShell AzureRM module references to the most recent Azure PowerShell Az modules.

Module 1 - Evaluating and Performing Server Migration to Azure

- Updated Lesson 1-Migrate to Azure, topic Best Practice Example - Building a Cloud Business Case, by removing the word “hyper” with “hybrid.”
- Updated Lesson2-Assessment and Discovery – Azure Migrate, topic Overview of the Azure Migrate Service.
- Updated Lesson 2-Assessment and Discovery – Azure Migrate, topic Discovery of Onpremises Environment.
- Updated Lesson 2-Assessment and Discovery – Azure Migrate, topic Discovery of Onpremises Environment.

Module 3 - Implementing Advanced Virtual Networking

- Removed: Lesson 2, L02-Azure Application Gateway
- Added new Lesson 2-Application Load Balancing
 - Added topics:
 - ✦ Azure Traffic Manager
 - ✦ Traffic Manager Features
 - ✦ Priority Routing
 - ✦ Performance Routing
 - ✦ Geographic Routing
 - ✦ Weighted Routing
 - ✦ Implementing Traffic Manager Profiles
 - ✦ Implementing Traffic Manager Endpoints
 - ✦ Azure Front Door Service Overview
 - ✦ Optional Practice- Create a Front Door Profile
- Added: Lesson 5, Azure Virtual WAN
 - Added topic:

✦ Azure Virtual WAN Overview

Module 4 - Determining Azure Workload Requirements

- Updated Lesson 2-Step-by-Step- Determining Azure Workload Requirements, topic Step 5- Discovering on-premises VMs by using Azure Migrate.

AZ-300T03

- Updated grammar and punctuation.
- Updated all PowerShell AzureRM module references to the most recent Azure PowerShell Az modules.

AZ-300T04

- Updated all PowerShell AzureRM module references to the most recent Azure PowerShell Az modules.

Module 1 - Create Azure App Service Web Apps

- Updated Lesson 1-Azure App Service core concepts, topic About App Service Environments, to read the following:
 - “The Azure App Service Environment is an Azure App Service feature that provides a fully isolated and dedicated environment for securely running App Service apps at high scale. This capability can host your:
 - ✦ Windows web apps
 - ✦ Linux web apps
 - ✦ Docker containers
 - ✦ Mobile apps
 - ✦ Functions”
- Updated Lesson 1-Azure App Service core concepts, topic 08-Controlling App Service traffic by using Azure Traffic Manager, to include the following:
 - “Multivalue: Select MultiValue for Traffic Manager profiles that can only have IPv4/IPv6 addresses as endpoints. When a query is received for this profile, all healthy endpoints are returned.
 - Subnet: Select Subnet traffic-routing method to map sets of end-user IP address ranges to a specific endpoint within a Traffic Manager profile. When a request is received, the endpoint returned will be the one mapped for that request’s source IP address.”
- Removed reference to a video from Lesson 5-Creating an App Service Logic App, topic Azure Logic Apps explained.

- Removed from Lesson 2-Creating an Azure App Service Web App, topic Using shell commands to create an App Service Web App, the following:
 - “Use the Cloud Shell to run the Azure PowerShell in your browser, or install it on own computer. Then read the Get Started article to begin using it. For information about the latest release, see the release notes.”

AZ-300T06

- Updated all PowerShell AzureRM module references to the most recent Azure PowerShell Az modules.

Module 2 - Configuring a Message-Based Integration Architecture

- Removed Lesson 07-Configuring apps and services with Microsoft [Module 6 - Develop for Azure Storage](#)
- Added the following to Lesson 2-Develop Solutions that use a Relational Database, topic Azure SQL Database Service, the following information:
 - Elastic Pools to Maximize Resource Utilization.