

Course AZ-040T00A – Change log

Purpose

This document highlights significant changes to the **AZ-040T00A: Automating Administration with PowerShell** course from the previous MOC ILT 10961C release. This document is for Microsoft Certified Trainers (MCTs) and Instructors as they prepare to teach this class. This isn't an error log or a supplement to the course materials. This document provides additional context so that you can understand major changes. Most of the course materials in the MCT Download Center have been updated to fix typos, broken links, and formatting. Therefore, we recommend you always download the latest copies. Please read the Trainer Preparation Guide, which provides the overall teaching strategy for this course.

Update summary

This course was last updated in 2017. Therefore, a general content update was made to align course content with the current versions of Windows PowerShell, Windows desktop, and the Windows server operating systems. Course virtual machines (VMs) are updated to provide the latest builds of Windows 10, Windows Server, and PowerShell. Course format is changed to Role-Based Instructor-Lead Training (RB-ILT), so there are changes to the course outline to adapt it to RB-ILT and help ensure it stays current as long as possible. The most significant design change is the addition of two new modules that address PowerShell administration of the most common Microsoft Azure and Microsoft 365 services. Additionally, some modules are merged and reordered to provide better content flow. All content from the 10961C course is verified for accuracy and updated per the latest documentation. Some topics are merged to reduce the number of topics per lesson. Also, the course is renamed to **AZ-040T00: Automating Administration with PowerShell**.

Module changes:

Module 1: Getting started with Windows PowerShell

- The outline from course 10961C is preserved and content is updated where needed.

Module 2: Cmdlets for administration

- The module is renamed to **Windows PowerShell for local systems administration**.
- All lessons are updated, and Lesson 4 is added to cover Windows PowerShell in Windows 10.
- On LON-CL1 note the following:
E:\Mod02\Democode\CnfgNetSettings.ps1: **Set-DnsClientServerAddress -InterfaceAlias Ethernet -IPAddress 172.16.0.11** should be **Set-DnsClientServerAddress -InterfaceAlias Ethernet -ServerAddress 172.16.0.11**
- AZ-040T00A_M02.pptx: The instructor notes on slide 23 states that the instructor can revert the machines after the demonstration. This is only for on-site VM setup scenarios. For hosted Labs, the instructor will not be able to revert and should end the VM instance and restart a fresh instance of the VM.

Module 3: Working with the Windows PowerShell pipeline

- The outline from course 10961C is preserved and content is updated where needed.
- Some content has been moved from Module 4, **Understanding how the pipeline works**, which was removed from this course.
- On LON-CL1 note the following:

The PowerShell scripts in E:\Mod04\Democode\ should be copied to E:\Mod03\Democode

Module 4: Understanding how the pipeline works

- This module is removed. Some content was moved to Module 3, **Working with the Windows PowerShell pipeline**.
- On LON-CL1 note the following:
E:\Mod04\Democode\FileSystem.ps1: **New-Item E:\Mod04\Temp -ItemType Folder** should be **New-Item E:\Mod04\Temp -ItemType Directory**

Module 5: Using PSProviders and PSDrives

- The outline from course 10961C is preserved and content is updated where needed.

Module 6: Querying management information by using CIM and WMI

- The outline from course 10961C is preserved and content is updated where needed.

Module 7: Working with variables, arrays, and hash tables

- The outline from course 10961C is preserved and content is updated where needed.

Module 8 and Module 9: Basic scripting and Advanced Scripting

- These two modules are merged.
- All content is updated with some topics reworked to provide better flow.
- New module 7 is named **Windows PowerShell scripting**.

Module 10: Administering remote computers

- The outline from course 10961C is preserved and content is updated where needed.
- This module is renamed to **Administering remote computers with Windows PowerShell** and is now Module 8.

Module 11: Using background jobs and scheduled jobs

- The outline from course 10961C is preserved and content is updated where needed.

Module 12: Using advanced Windows PowerShell techniques

- This module is removed.
- New module 9 - **Managing Azure resources with PowerShell**. This module details basic management, using PowerShell, of the most common Azure services. This module examines Azure PowerShell, Azure Cloud Shell, managing Azure VMs with PowerShell, and managing storage and subscriptions.
- New module 10 - **Managing Microsoft 365 services with PowerShell**. This module details how to use PowerShell to manage core Microsoft 365 services. It delves into managing Microsoft 365 user accounts, licenses, and groups; managing Microsoft Exchange Online with PowerShell; managing SharePoint Online with PowerShell; and managing Microsoft Teams with PowerShell.