



Microsoft Azure Certification BootCamp for AZ-040 (Automating Administration with PowerShell)

Duration: 5 Days

| DESCRIPTION

This course provides students with the fundamental knowledge and skills to use Windows PowerShell for administering and automating administration of Windows servers. This course provides students the skills to identify and build the command they require to perform a specific task. In addition, students learn how to build scripts to accomplish advanced tasks such as automating repetitive tasks and generating reports. This course provides prerequisite skills supporting a broad range of Microsoft products, including Windows Server, Windows Client, Microsoft Exchange Server, Microsoft SharePoint Server, Microsoft SQL Server, and Microsoft System Center. In keeping with that goal, this course will not focus on any one of those products, although Windows Server, which is the common platform for all of those products, will serve as the example for the techniques this course teaches.



| PRE-REQUISITES

- ☁ Some exposure to and experience with Active Directory Domain Services (AD DS) concepts and technologies in Windows Server 2012 or Windows Server 2016
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- ☁ Experience and an understanding of core networking technologies such as IP addressing, name resolution, and Dynamic Host Configuration Protocol (DHCP)
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- ☁ Experience working with and an understanding of Microsoft Hyper-V and basic server virtualization concepts
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- ☁ An awareness of basic security best practices
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- ☁ Experience working hands-on with Windows client operating systems such as Windows 8, Windows 8.1 or Windows 10
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- ☁ Basic experience with Windows PowerShell.

| OBJECTIVES

Describe the functionality of Windows PowerShell and use it to run and find basic commands
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Identify and run cmdlets for local system administration
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Work with the Windows PowerShell pipeline.
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Use PSProviders and PSDrives to work with other forms of storage.
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Query system information by using WMI and CIM
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Work with variables, arrays, and hash tables.
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Write basic scripts in Windows PowerShell.
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Administer remote computers with Windows PowerShell.
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Manage Azure resources with PowerShell.
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Manage Microsoft 365 services with PowerShell.
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Use background jobs and scheduled jobs.

COURSE OUTLINE

Module 01

Getting started with Windows PowerShell

Module 02

Windows PowerShell for local systems administration

Module 03

Working with the Windows PowerShell pipeline

Module 04

Using PSProviders and PSDrives

Module 05

Querying management information by using CIM and WMI

Module 06

Working with variables, arrays, and hash tables

Module 07

Windows PowerShell scripting

Module 08

Administering remote computers with Windows PowerShell

Module 09

Managing Azure resources with PowerShell

Module 10

Managing Microsoft 365 services with PowerShell

Module 11

Using background jobs and scheduled jobs

| Who Should Attend

This course is intended for IT Professionals who are already experienced in general Windows Server and Windows client administration, and who want to learn more about using Windows PowerShell for administration. No prior experience with any version of Windows PowerShell or any scripting language is assumed. This course is also suitable for IT Professionals already experienced in server administration, including Exchange Server, SharePoint Server, SQL Server, and System Center.



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Best training center to learn Azure Cloud Computing services! Training was excellent and trainer has good knowledge about the real world use-cases to explain the course content.

Natalie, NOC Lead, CA Technologies

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CloudThat's Azure course was extremely detailed with good lab work and excellent group discussion on practical solutions. The Trainer was helpful and encouraged the students to solve practical problems using the Azure course material. It was an excellent experience to learn.

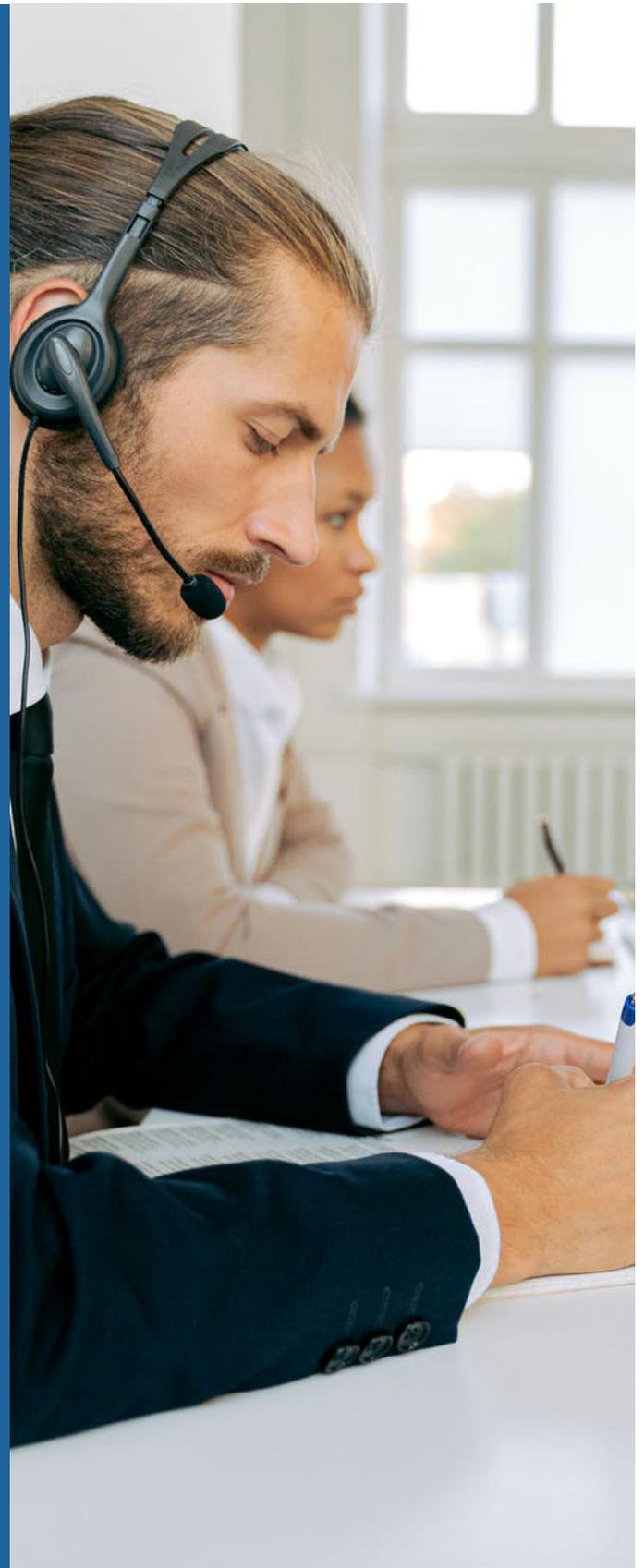
Kevin, Technical Integration Architect

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Training started on time, something I haven't experienced with other programs. Training with CloudThat was amazing. The Trainer explained the topics very well & covered more than what I expected. He was able to answer all my questions & explained about the career path, which was extremely helpful. You Rock!

Robert, Senior Software Analyst, Ellucion



For training inquiry, please email us at: sales@cloudthat.in
Call us: +91 8880002200 | website: www.cloudthat.in