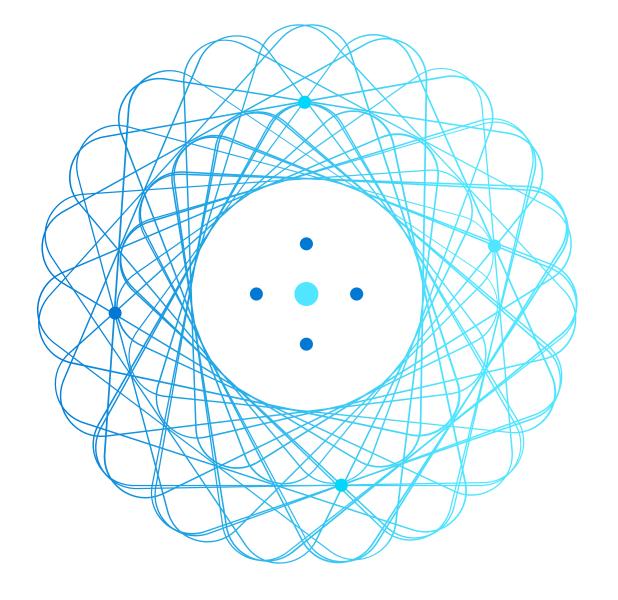


AZ-040

Automating Administration with PowerShell



Rest API — cmd(et

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brainymotion

Lead Trainer Cloud Infrastructure
Microsoft Certified Trainer since 1999

Heidel berg

github.com/www42/AZ-040



Windows system administrator role

Windows system administrators install, configure, and maintain Windows operating systems. They also manage the transition of on-premises environments to hybrid environments that use Microsoft Azure or Microsoft 365 as the cloud component. By using PowerShell, they can automate many of their tasks.

About this course: Prerequisites

Before attending this course, students must have:

- Experience with Windows networking technologies and implementation.
- Experience with Windows Server administration, maintenance, and troubleshooting.
- Experience with Windows Client administration, maintenance, and troubleshooting.

Course outline

Module 1: Getting started with Windows PowerShell

Module 2: Windows PowerShell for local systems administration

Module 3: Working with the Windows PowerShell pipeline

Module 4: Using PSProviders and PSDrives

Module 5: Querying management information by using CIM and WMI

Module 6: Working with variables, arrays, and hash tables

Module 7: Windows PowerShell scripting

Module 8: Administering remote computers with Windows PowerShell

Module 9: Managing Azure resources with PowerShell

Module 10: Managing Microsoft 365 services with PowerShell

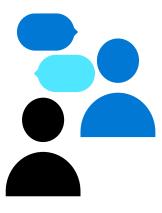
Module 11: Using background jobs and scheduled jobs

Hello! Student introduction

Let's get acquainted:

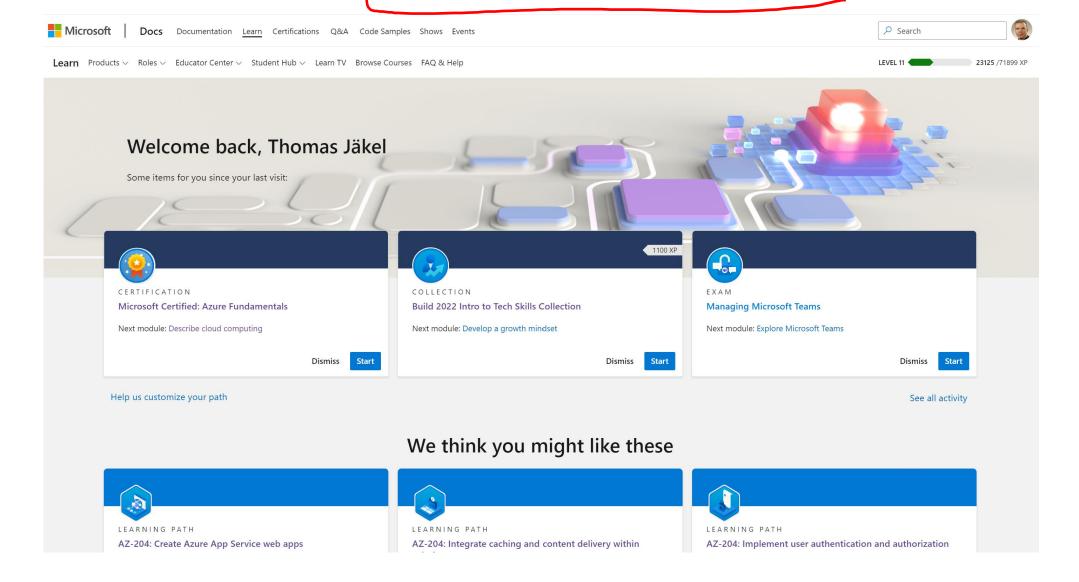
- Your name
- Company affiliation
- Title/function
- Microsoft Azure experience
- Your expectations for the course

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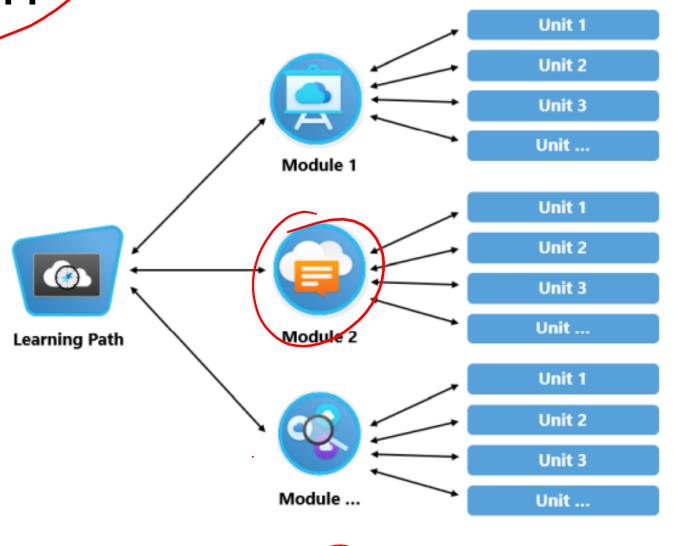
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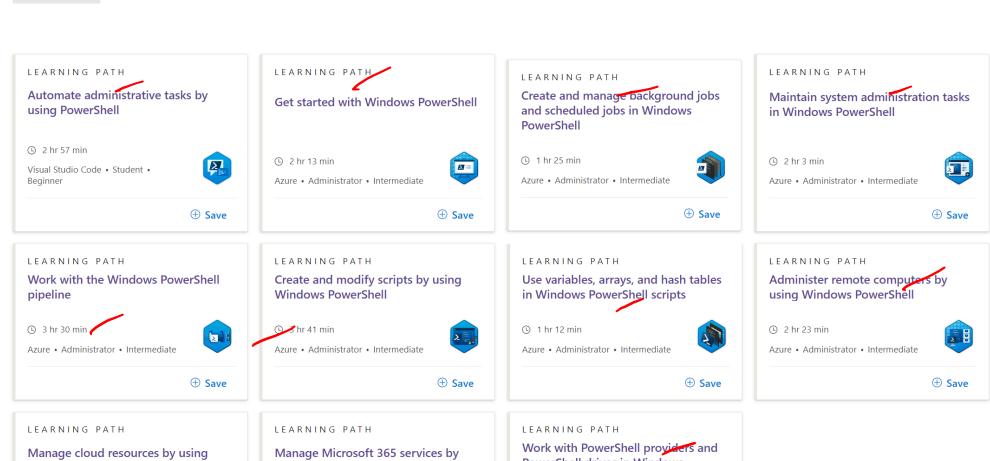


Microsoft Learn

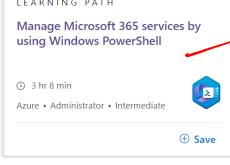
- Learning Paths
- Sandboxes
- Exam Registration
- Transcript
- Collections
- Badges

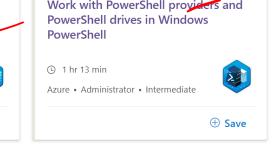


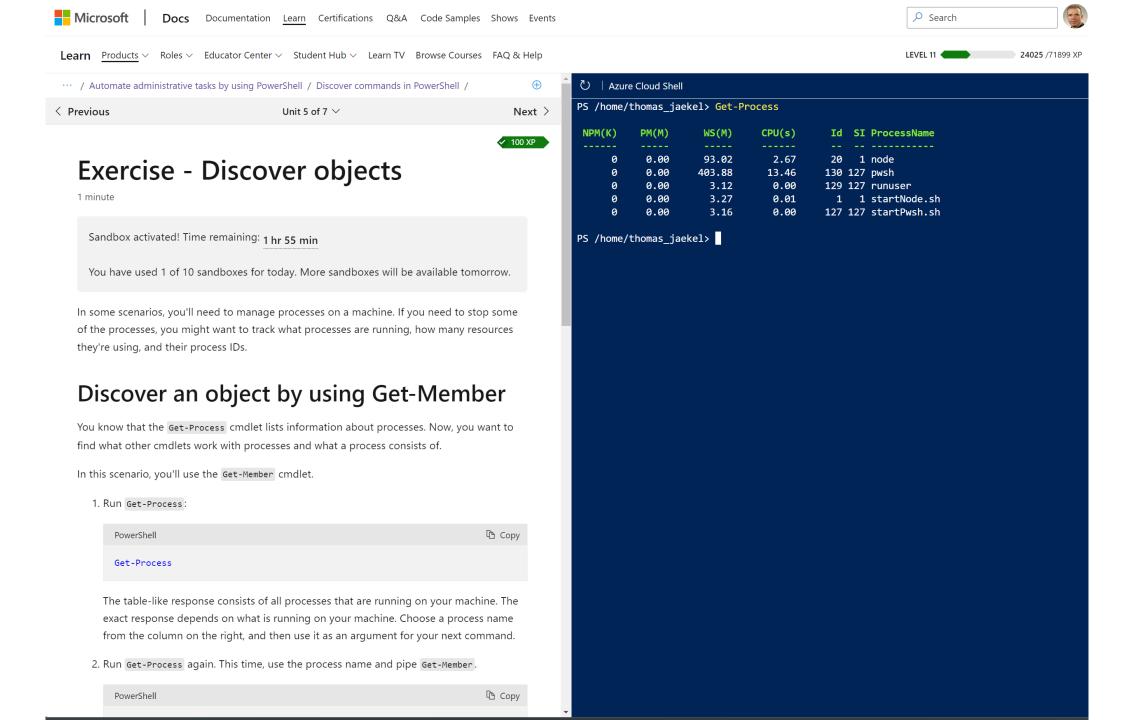
Learning Path X



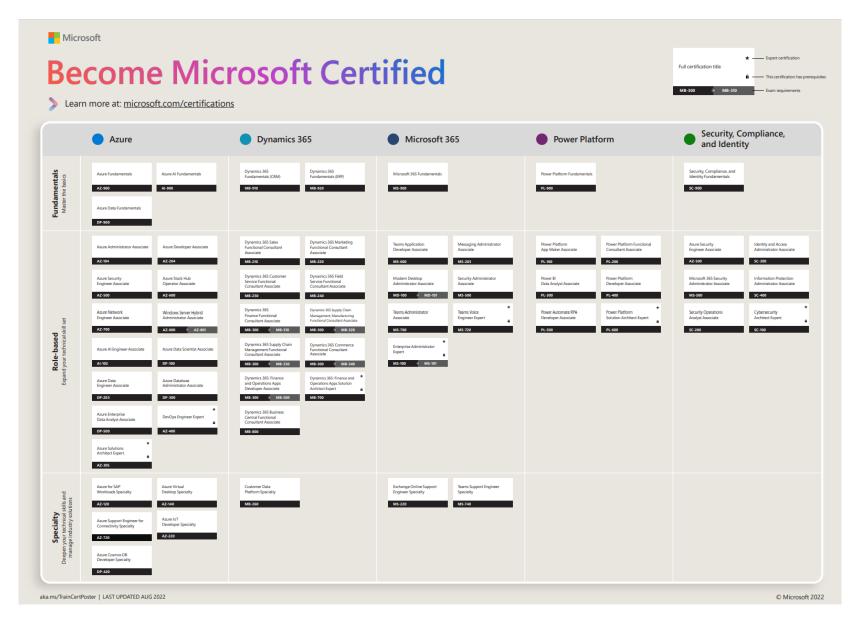








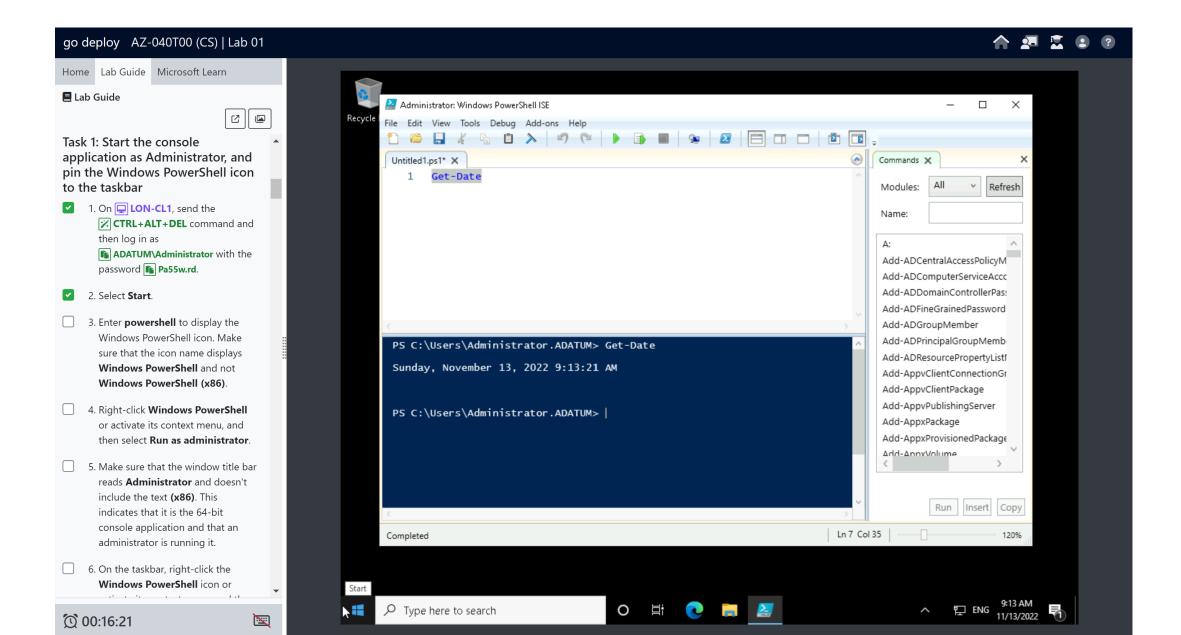
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Hands-on labs

- This course requires access to the Azure platform. Access to Azure might be provided through one of the following options:
 - An Azure pass that the Learning Partner or the ALH gives out to students.
 - As part of an ALH Azure solution. Your instructor will provide more information regarding access to Azure.
- You'll use a Microsoft Learning Azure Pass to access Azure.
- After you set up your subscription, check the dollar balance of your Azure Pass within Azure.
- Be aware of how much you're consuming and don't allow Azure components to run overnight or for extended periods.
- Lab instructions are in a GitHub repository. For this class use the <your region> location.

go deploy - Lab Umgebung



Facilities

- Class hours
- Building hours
- Parking
- Restrooms
- Meals
- Phones
- Messages
- Internet access
- Recycling
- Emergency procedures

