

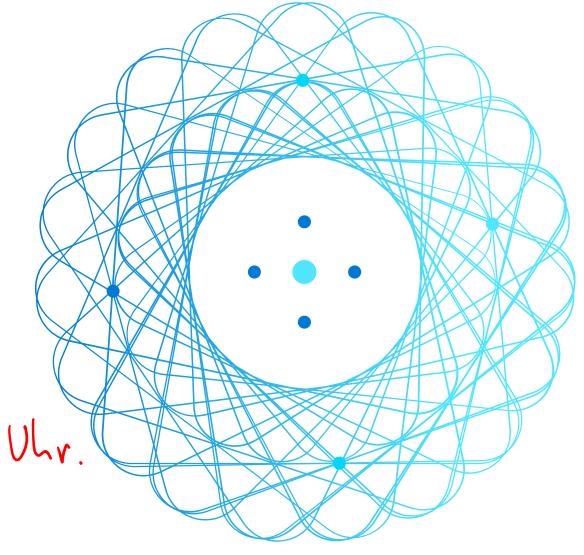
AZ-104

**AZ-040** 

Guten Morgen!

**Automating Administration** with PowerShell

Seminar startet um 900



Physik
FORTRAN NT
4.0

### **Thomas Jäkel**

brainymotion

Monard (Leibniz)
MSH
Windows PS 2.0
5.1

S.1 Poveushell 7.3

Lead Trainer Cloud Infrastructure
Microsoft Certified Trainer since 1999

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**

Get. Command Get. Date

Learning Path 2: Windows PowerShell for local systems administration

Learning Path 3: Working with the Windows PowerShell pipeline

Learning Path 4: Using PSProviders and PSDrives

Learning Path 5: Querying management information by using CIM and WMI

Learning Path 6: Working with variables, arrays, and hash tables

Learning Path 7: Windows PowerShell scripting

Learning Path 8: Administering remote computers with Windows PowerShell

Learning Path 1: Getting started with Windows PowerShell

Learning Path 9: Managing Azure resources with PowerShell

Learning Path 11: Using background jobs and scheduled jobs

Learning Path 10: Managing Microsoft 365 services with PowerShell

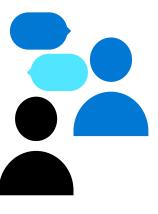
ISE (Console Code stration condlet I function e C# div Get-Childiten IIM and WMI Sps Version Table ve (Qf)

18 PowerShell (ustall-Madule AZ)

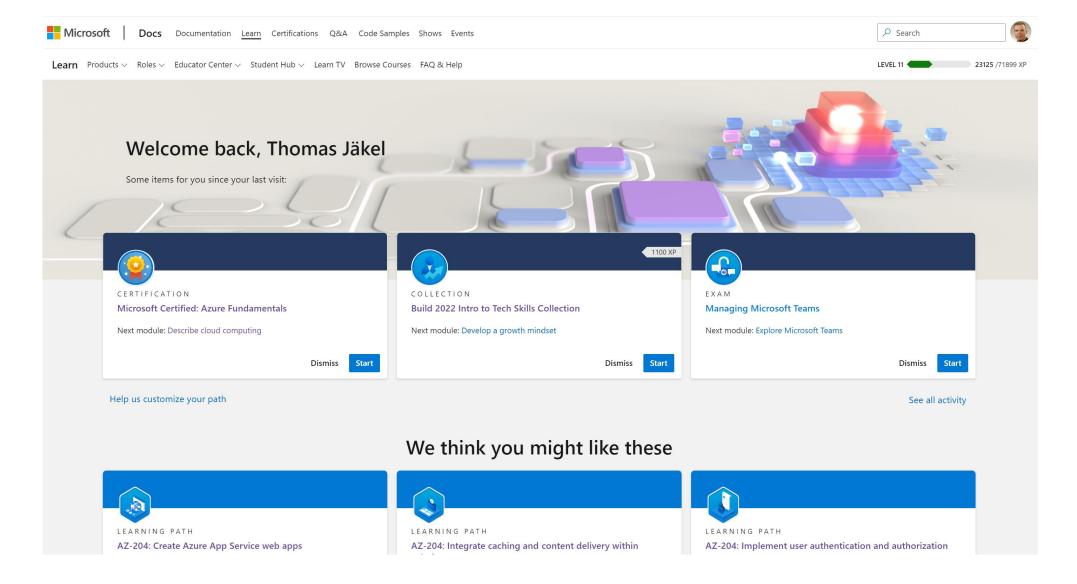
### Hello! Student introduction

#### Let's get acquainted:

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



# aka.ms/Learn

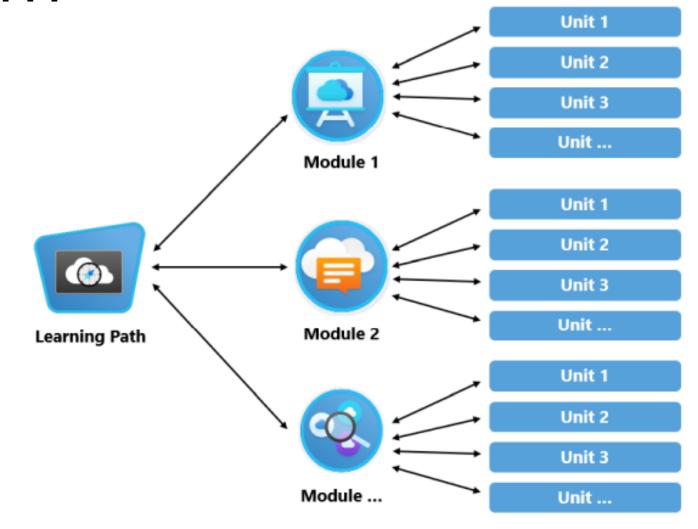


# Microsoft Learn

Learning Paths

Sandboxes

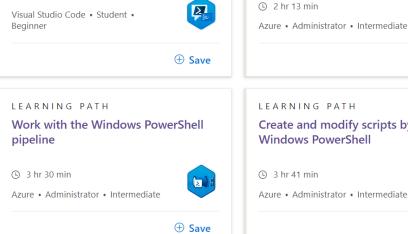
- Exam Registration
- Transcript
- Collections
- Badges

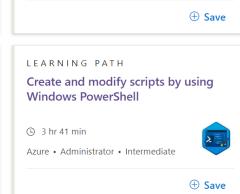




Learning Path X







Get started with Windows PowerShell

LEARNING PATH

LEARNING PATH



₽≡



LEARNING PATH

PowerShell

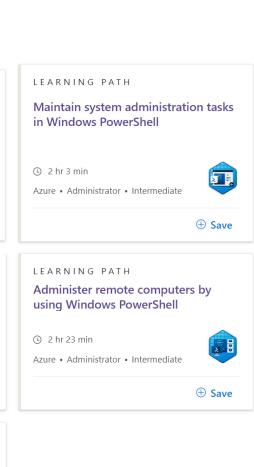
① 1 hr 25 min

Create and manage background jobs

⊕ Save

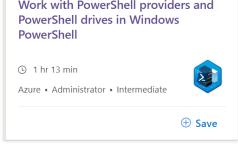
and scheduled jobs in Windows

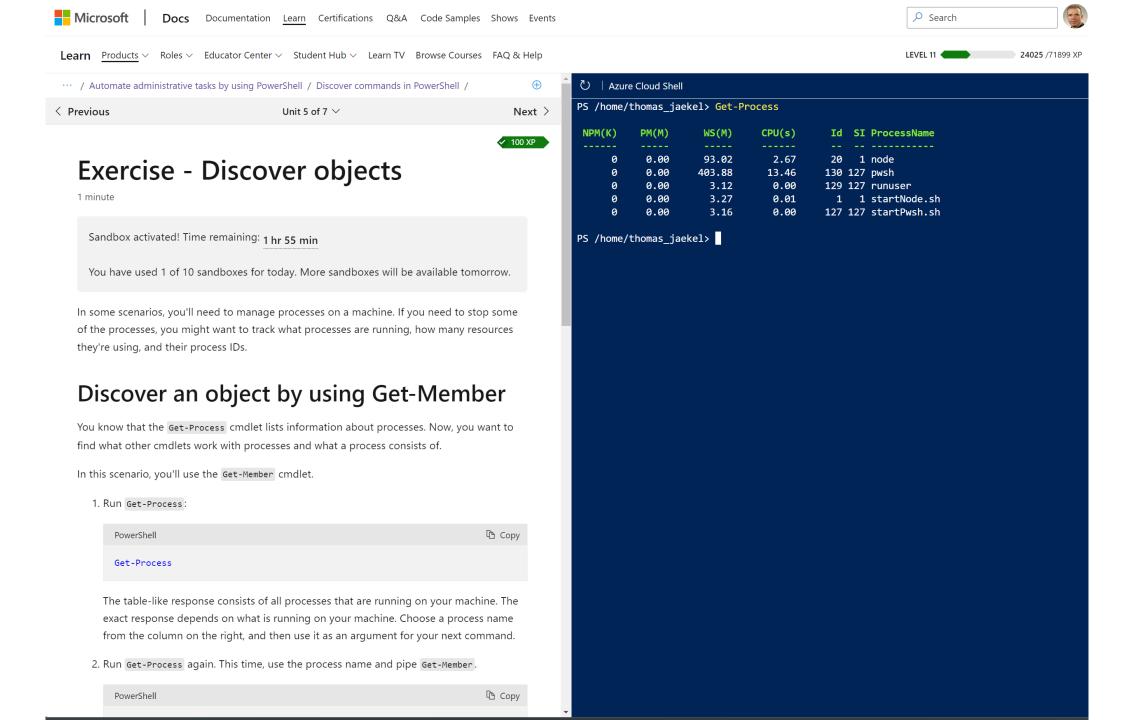
Azure • Administrator • Intermediate



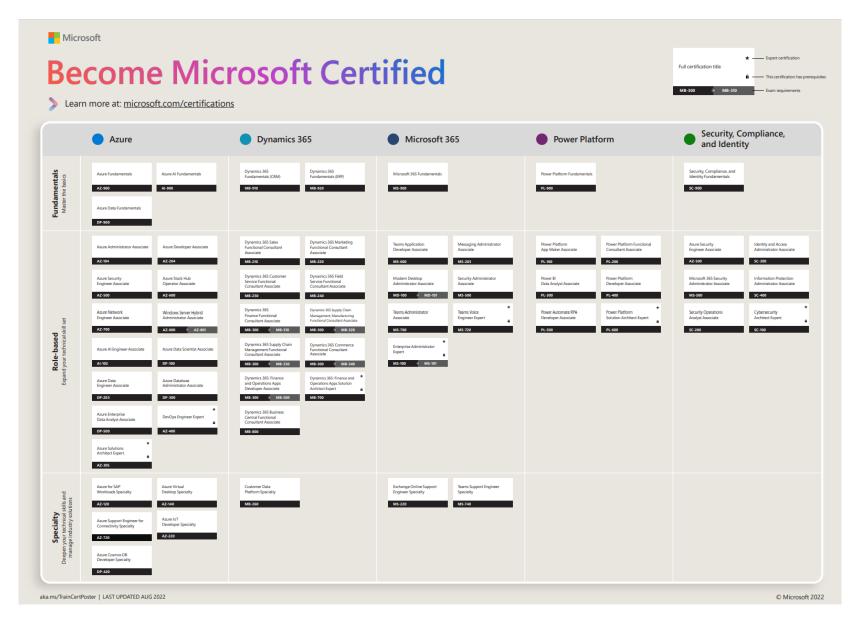








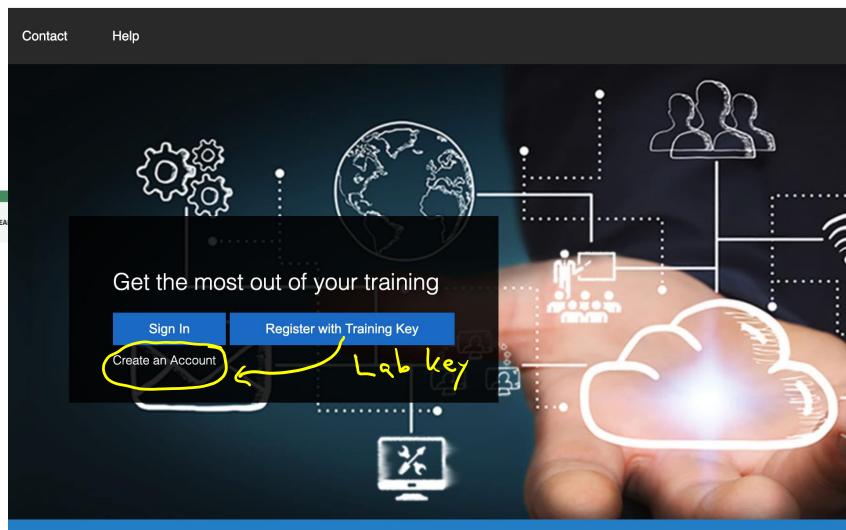
## aka.ms/TrainCertPoster



### 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.







SOLUTIONS

### **Facilities**

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

