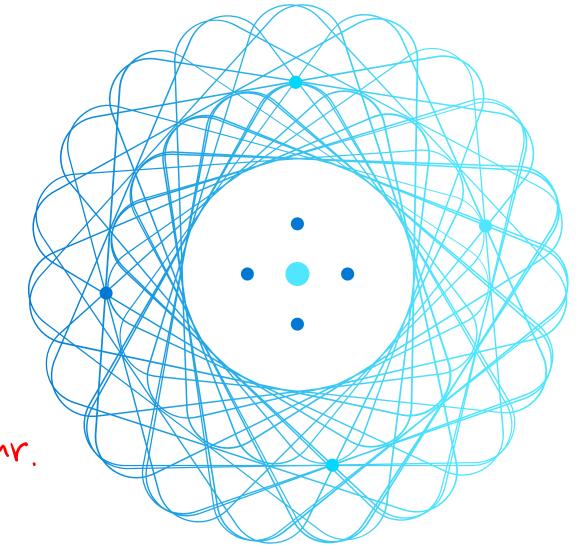


Guten Morgen!

**AZ-040** 

Automating Administration with PowerShell

Seminar startet um 900 Uhr



Fortran 77

Heidelberg

NT 4.0

Thomas Jäkel

brainymotion

**Lead Trainer Cloud Infrastructure** 

Az Ms

Microsoft Certified Trainer since 1999

MD

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

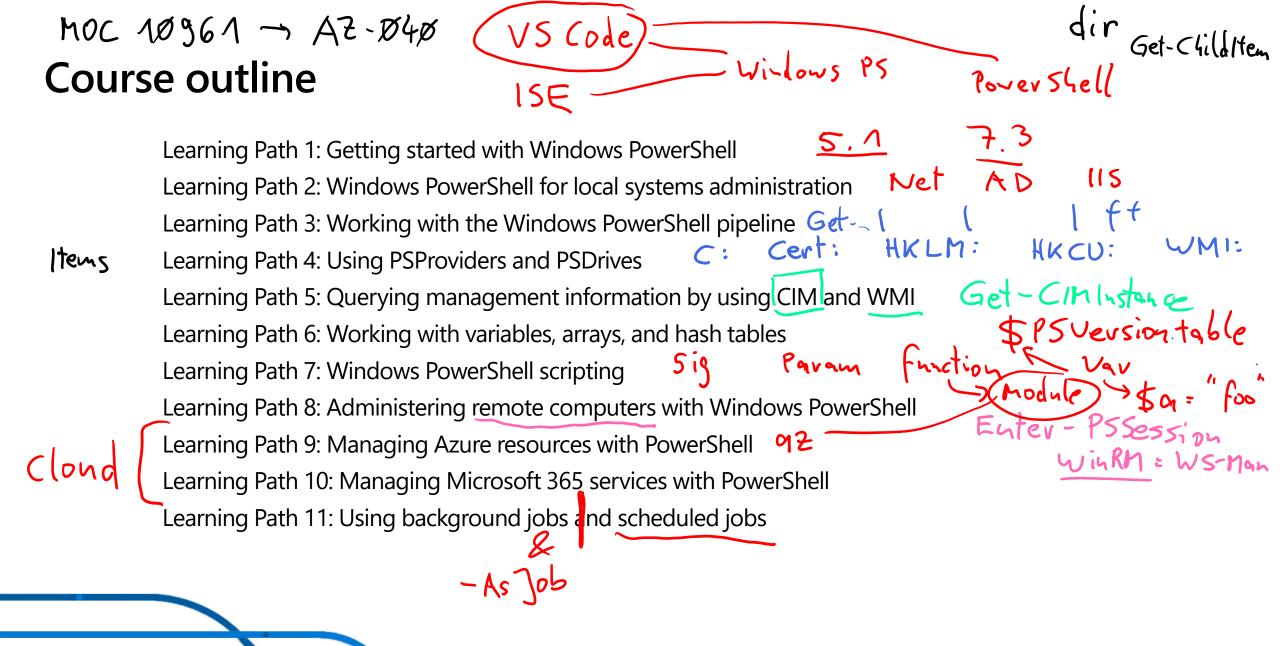
Before attending this course, students must have:

ipconfig Get-Net Configuration

Experience with Windows networking technologies and implementation.

Experience with Windows Server administration, maintenance, and troubleshooting.

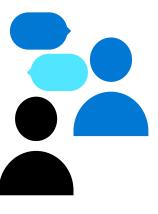
Experience with Windows Client administration, maintenance, and troubleshooting.



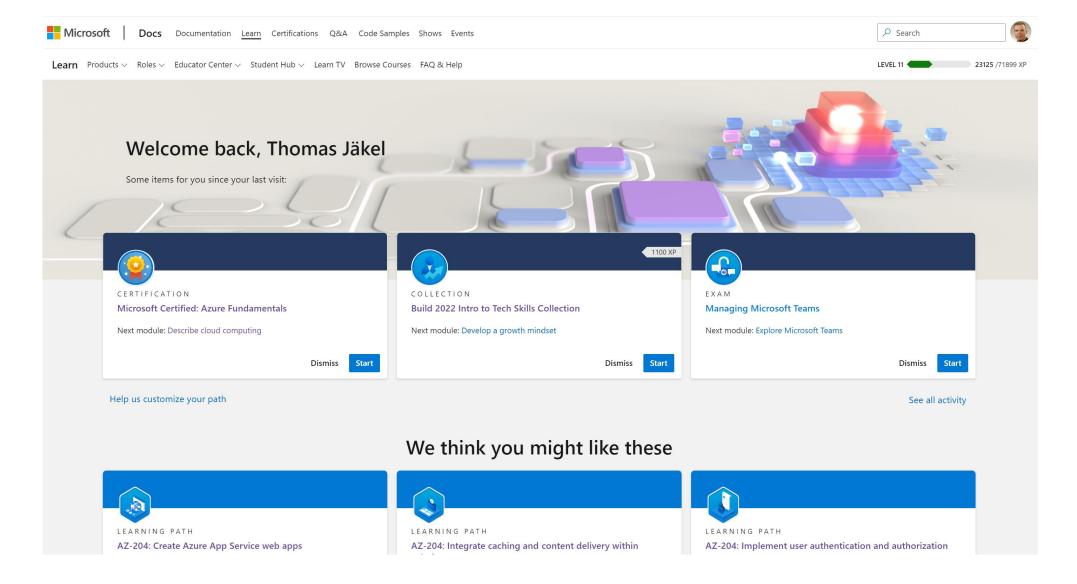
### Hello! Student introduction

#### Let's get acquainted:

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

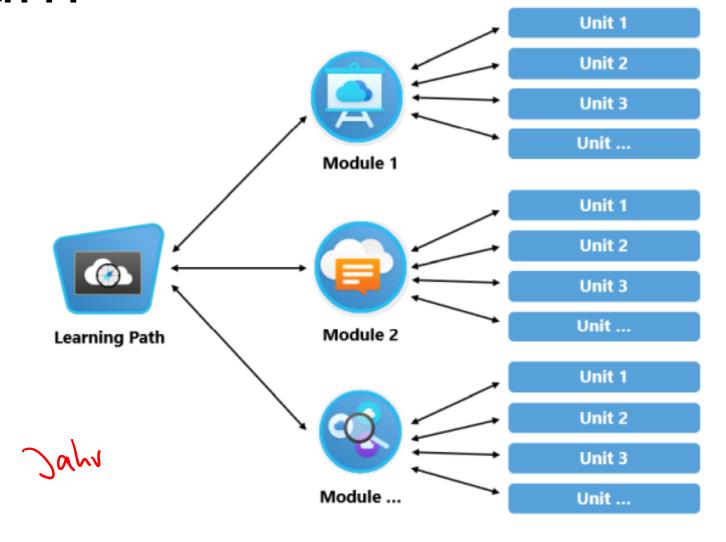


# aka.ms/Learn



# Microsoft Learn

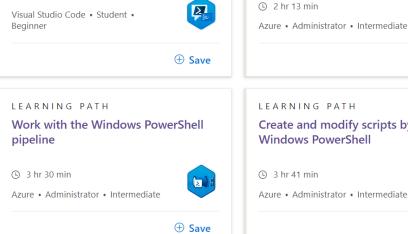
- **Learning Paths**
- Sandboxes
- Exam Registration
- Transcript
- Collections
- Badges
  Recertification

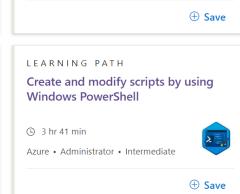




Learning Path X







Get started with Windows PowerShell

LEARNING PATH

LEARNING PATH



₽≡



LEARNING PATH

PowerShell

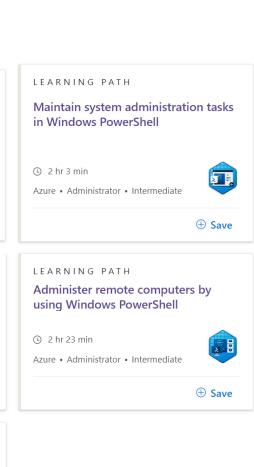
① 1 hr 25 min

Create and manage background jobs

⊕ Save

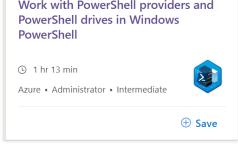
and scheduled jobs in Windows

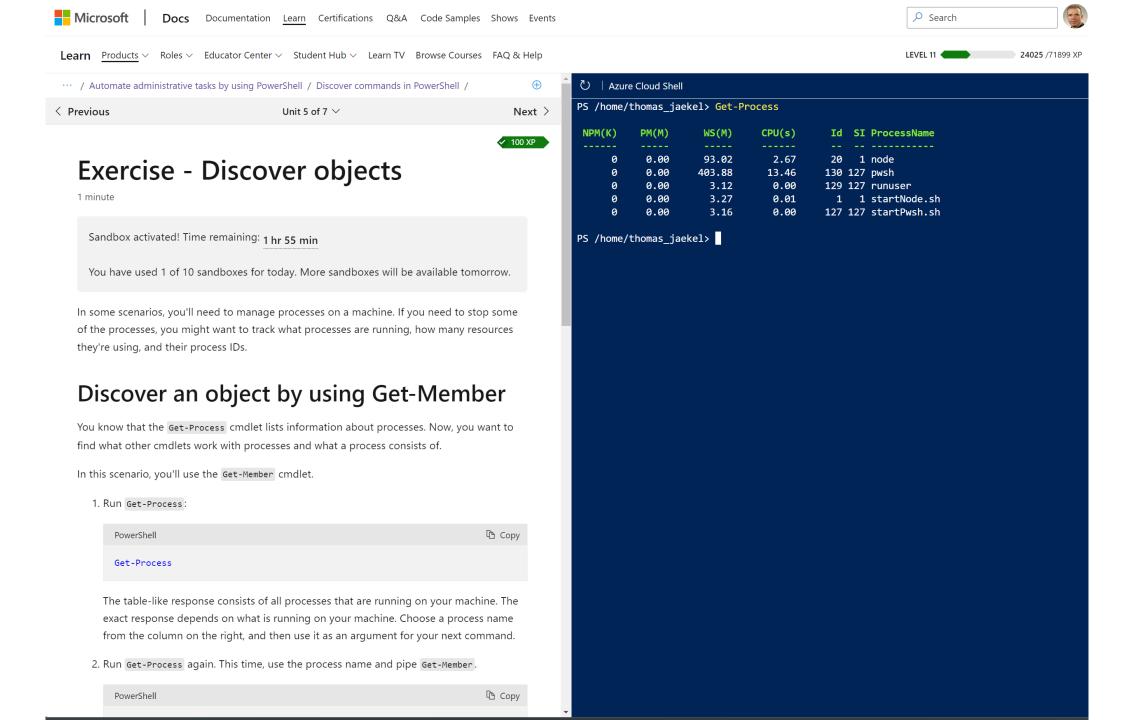
Azure • Administrator • Intermediate



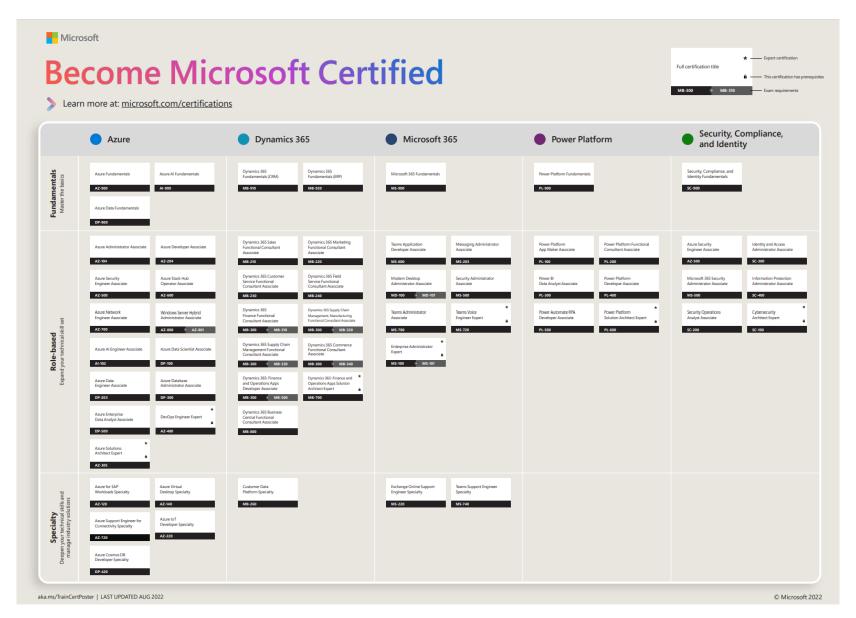








# aka.ms/TrainCertPoster



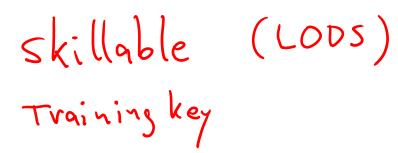
#### Hands-on labs

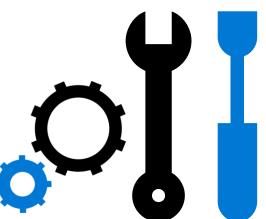
- This course requires access to the Azure platform. Access to Azure might be provided through one of the following options:
  - An Azure pass that the Learning Partner or the ALH gives out to students.
  - As part of an ALH Azure solution. Your instructor will provide more information regarding access 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.

## Prepare for the labs

You'll work in a virtual machine environment to:

- Configure PowerShell and use it for local system administration.
- Use PowerShell pipeline, PSProviders, and PSDrives.
- Use scripts, variables, arrays, and hash tables in PowerShell.
- Administer remote computers and manage Azure resources with PowerShell.
- Manage Microsoft 365 with PowerShell.
- Manage jobs with PowerShell.





### **Facilities**

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



