



Microsoft Networking and Server Essentials

Berlin - Heidelberg Physik NT 4.0 2000 AD Cloud vs. On Premises Hybrid Thomas Jäkel brainymotion **Lead Trainer Cloud Infrastructure** Microsoft Certified Trainer since 1999



Hello! Student Introductions

Your name

Company affiliation

Title/function

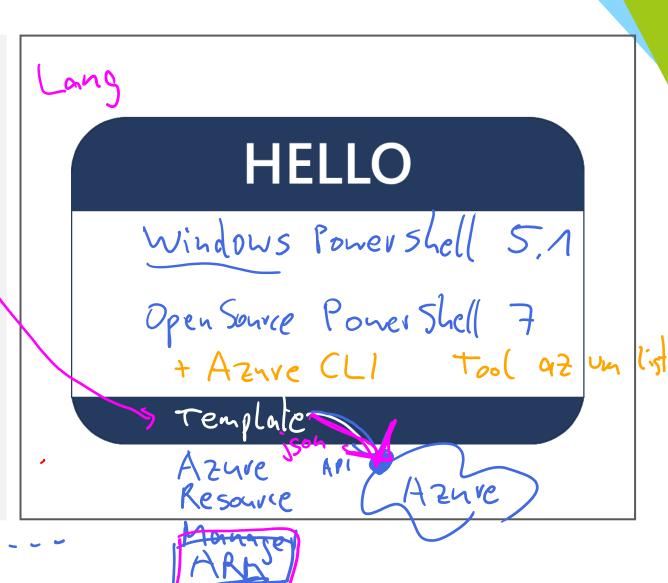
Microsoft Azure experience

Your expectations for the course

Fortran

Power Stell

Get. J.M.



brainymotion





2. Administration Fundamentals

3. Virtualization Fundamentals

4. Network Infrastructure Fundamentals /

5. Storage Management Fundamentals

6. Identity Services Fundamentals

prakt. Übungen Skillable

Entra ID Azne AD)





1. Azure Architecture Fundamentals

- ✓ Inside Azure Datacenters
- ✓ Regions
- ✓ Availability Options
- ✓ Azure Resources
- ✓ Resource groups
- ✓ Azure Subscriptions
- ✓ Management Groups
- ✓ Azure compute services
- ✓ Azure networking services
- ✓ Azure storage services





(2.) Administration Fundamentals

- ✓ Administration in Windows Server
- ✓ Administration in Azure





3. Virtualization Fundamentals

- ✓ Configure and manage Hyper-V
- ✓ Configuring VMs
- ✓ Virtual machines in Azure
- ✓ Container

 Docker





4. Network Infrastructure Fundamentals

- ✓ IPv4 Fundamentals
- TCP/IP
- ✓ IPv6 Fundamentals
- ✓ Dynamic host configurtation Protocol (DHCP)
- ✓ Domain Name Service (DNS)
- ✓ Azure network Fundamentals
- ✓ Configure Network Security Groups
- ✓ Configure Azure DNS
- ✓ Configure VNet Peering
- ✓ Configure Network Routing
- ✓ Configure Azure Load Balancer





5. Storage Management Fundamentals

- √ Volumes and file systems in Windows Server
- ✓ Implementing sharing in Windows Server
- ✓ Configure Storage Accounts
- ✓ Configure Blob Storage
- ✓ Configure Azure Files
- ✓ Configure Azure Storage with Tools





SMR





6. Identity Services Fundamentals

- ✓ Overview of AD DS
- ✓ Deploying Windows Server domain controllers
- ✓ Implementing Group Policy
- ✓ Azure Active Directory
- ✓ Configure Azure Policy
- √ Configure Role-Based Access Control



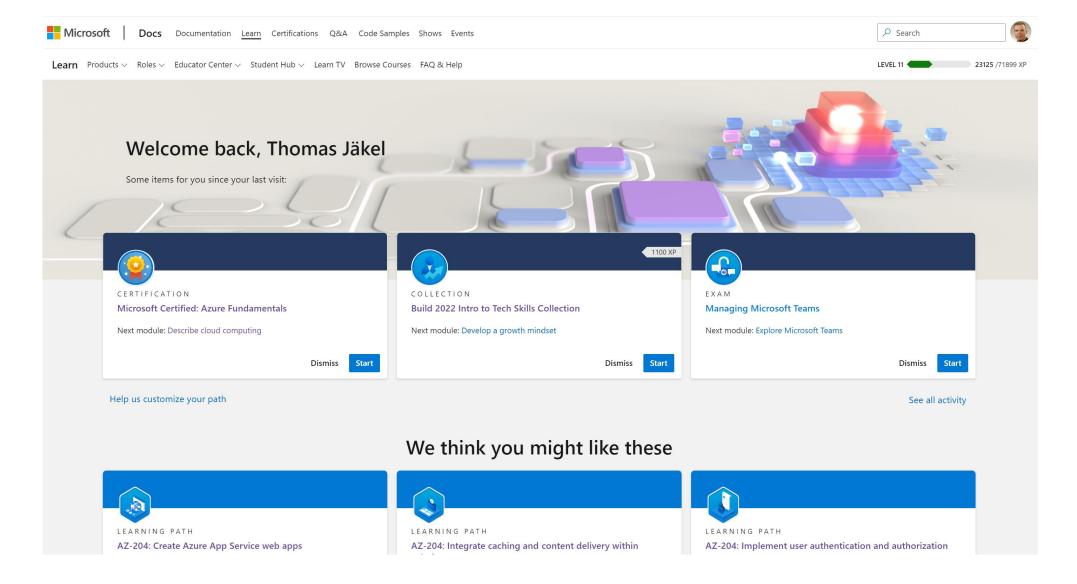




Authorization Authorization Accounting



aka.ms/Learn



Microsoft Learn

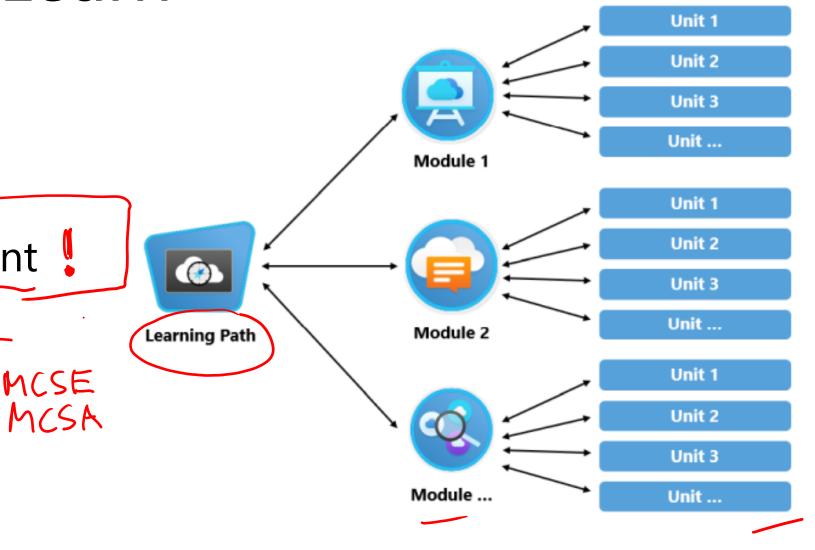
MCSE

Anonymously

• All Learning Paths

With Learn Account

- Sandboxes
- Exam Registration (
- Transcript \leftarrow
- Collections
- Badges
- Level
- Renew Certifications



15 min Panse 12³⁰ - 13³⁰
15min Panse

AZ-800 Labs

- Login with Training Key
- Azure Subscription paid by Skillable
- SEA-DEV + Instructions
- 180 Days 10 x



Step by Step

Account

Skillable - LODS



The End

Max Mustermann, Wie trainieren wir heute?