

55188-B: Licensing and Managing Virtualized and Cloud Services

Module 1: Technical Basics

This module explains basic technical terms and shows the differences between virtualized, non-virtualized and cloud-based solutions.

Lessons

- Definitions of terms

Lab: practicing the definition of terms

- Practice of the definitions of terms

After completing the module, the participants have learned the following:

- Differentiation of the term definitions
- Technical definitions and documentation

Module 2: Basics of virtualization and the cloud

This module explains the different virtualization technologies and the available cloud services.

Lessons

- Overview of virtualization technologies
- Overview of cloud services (IaaS, PaaS, SaaS)

Lab: practicing the technical differences

- Practice of the technical differences

After completing the module, the participants have learned the following:

- Knowledge of the available virtualization technologies
- Knowledge of the available cloud services
- Differences between IaaS, PaaS and SaaS

Module 3: Licensing of a virtualized infrastructure

This module explains the licensing of virtualized infrastructures and applications running on them.

Lessons

- Licensing of virtualized operating systems
- Licensing of applications on virtualized infrastructures

Lab: Practicing the licensing of virtualized infrastructures

- Practicing the licensing of virtualized infrastructures - scenarios

After completing the module, the participants have learned the following:

- Licensing of virtualized operating systems
- Licensing of applications on virtual systems
- Required licenses for the individual solutions

Module 4: Licensing for Azure and Office 365

This module explains licensing for Office 365 and Azure. Participants learn more about the Office 365 plans and add-ons and can tap into the costs of Azure services.

Lessons

- Overview of the Office 365 plans and add-ons
- Licensing of Office 365 for companies
- Licensing with Azure
- Components and costs of the Azure services

Lab: Licensing scenarios for Office 365

- Licensing scenarios for Office 365 scenarios

Lab: Licensing scenarios for Azure

- Licensing scenarios for Azure scenarios

After completing the module, the participants have learned the following:

- Selection of the Office 365 plan or add-on that suits your needs
- Licensing of Office 365
- Calculating the cost of Azure
- Licensing of the Azure services

Module 5: Technical basics for licensing and administration of Office 365

This module explains the basic configuration of a new Office 365 tenant and the management of users and licenses in the tenant. The participants work directly in the program and develop the skills of Office 365 and basic knowledge in dealing with errors

Lessons

- Requirements for an Office 365 tenant
- Overview of the Office 365 administration portal
- Management of users in Office 365
- Allocation of licenses for Office 365
- Use of Office 365 services
- How to deal with errors in Office 365 users and licenses

Lab: Creation of an Office 365 test client

- Create a Microsoft account
- Creation of an Office 365 tenant
- Registration in the Office 365 portal

Lab: Administration of licenses for Office 365

- Insight into the administration portal of Office 365
- Creation of a new user in Office 365
- Administration of licenses in the administration portal of Office 365
- Management of licenses with PowerShell

Lab: In-house work with Office 365

- Sign in to Office 365 as a user
- Insight into the Office 365 user portal

After completing the module, the participants learned the following: Configuration of an Office 365 tenant

- Creation of users in Office 365
- Administration of licenses in the portal
- Management of licenses with PowerShell
- Help for users in Office 365

Module 6: Technical basics for licensing and administration of Azure

This module explains how to create a new Azure subscription and the basic settings. It also explains how to manage the licenses in Azure and how to use the services within the consoles.

Lessons

- Requirements for an Azure subscription
- Azure portal overview (old and new version)
- Management of the subscriptions
- Handling of spending limits
- Available Azure services
- Management of subscribed Azure services

Lab: Create an Azure subscription

- Create a new Azure subscription

Lab: Navigation in the Azure portal

- Navigation in the old Azure portal
- Navigation in the new Azure portal

Lab: Management of Azure subscriptions and costs

- Control of the Azure subscriptions
- Review the cost of Azure
- Handling of spending limits

Lab: Create and manage the services at Azure

- Create a new virtual machine in Azure
- Virtual machine data

After completing the module, the participants have learned the following:

- Create an Azure subscription
- Management of subscriptions and costs
- Creation of new services in Azure
- Access to data about ongoing services