



**17. august 2020 - 18. august 2020**

**Kestus:** 16 akadeemilist tundi

Vana-Lõuna 39/1

This two-day course will provide foundational level knowledge on cloud concepts; core Azure services; security, privacy, compliance, and trust; and Azure pricing and support. Note: This course provides an Azure pass and time for students to participate in hands-on labs. If you do not need hands-on experience, consider the AZ-900T01: Microsoft Azure Fundamentals (1 day) course. The content for both courses align to the AZ-900 exam objective domain.

**Target audience:**

This course is suitable for IT personnel who are just beginning to work with Azure. This audience wants to learn about our offerings and get hands-on experience with the product. This course primarily uses the Azure portal to create services and does not require scripting skills. Students in this course

will gain confidence to take other role-based courses and certifications, such as Azure Administrator. This course provides an Azure pass and optional lab environment. This course combines lecture, demonstrations, and hands-on labs. This course will also help prepare someone for the AZ-900 exam.

**After completing this course, students will be able to:**

- Describe cloud computing, Azure, and Azure subscriptions.
- Describe and create Azure Web Apps.
- Create and configure VMs in Microsoft Azure.
- Create an Azure virtual network.
- Describe Azure storage.
- Describe and deploy databases in Azure.
- Describe Azure AD.

**Prerequisites to the course (recommended):** There are no prerequisites for taking this course. However, the more technical knowledge a student has the more they will understand about the cloud.

**Length:** 16 academic hours

**The prerequisite for issuing the certificate is full participation in training.**

**The training topics and description:**

<https://www.microsoft.com/en-us/learning/course.aspx?cid=AZ-900T00>

Module 1: Cloud Concepts In this module, you will learn about cloud services, the types of cloud models, and the types of cloud services. Lessons

- Why Cloud Services
- Types of Cloud models
- Types of Cloud services

After completing this module, students will be able to:

- Define cloud computing and its key advantages.
- Explain public, private, and hybrid cloud models.
- Explain IaaS, PaaS, and SaaS cloud services.

Module 2: Core Azure Services In this module, you learn about Azure core cloud architectural components, Azure services and products, Azure solutions, and Azure management tools. Lessons

- Core Azure Architectural components
- Core Azure Services and Products
- Azure Solutions
- Azure management tools

Lab : Walkthrough: Create a virtual machine Lab : Walkthrough: Deploy Azure container instances Lab : Walkthrough: Create a virtual network Lab : Walkthrough: Create blob storage Lab : Walkthrough: Create a SQL database Lab : Walkthrough: Implement an Azure IoT Hub Lab : Walkthrough: Implement Azure Functions Lab : Walkthrough: Create a web app Lab : Walkthrough: Create a VM with a Template Lab : Walkthrough: Create a VM with PowerShell Lab : Walkthrough: Create a VM with CLI After completing this module, students will be able to:

- Identify core Azure architectural components, such as regions, geographies, and resource groups.
- Identify usage cases for Azure core services and products, such as virtual machines and storage.
- Identify usage cases for Azure solutions, such as the Internet of Things and Machine Learning.
- Identify what Azure management tools are available such as Azure PowerShell and the CLI.

Module 3: Security, Privacy, Compliance, and Trust In this module, you learn about Azure security, identity, governance, monitoring, reporting, and standards. Lessons

- Secure network connectivity
- Core Azure identity services

- Security tools and features
- Azure governance methodologies
- Monitoring and reporting
- Privacy, compliance, and data protection standards

Lab : Walkthrough: Secure network traffic  
 Lab : Walkthrough: Implement Azure key vault  
 Lab : Walkthrough: Create an Azure Policy  
 Lab : Walkthrough: Manage access with RBAC  
 Lab : Walkthrough: Manage resource locks  
 Lab : Walkthrough: Implement resource tagging  
 Lab : Walkthrough: Exploring the Trust Center

After completing this module, students will be able to:

- Describe virtual network security connectivity options such as Network Security Groups.
- Describe Azure identity authentication and authorization options.
- Describe usage cases for the Security Center, Key vault, threat and information protection options.
- Describe Azure policies and role-based access control.
- Describe usage cases for Azure Monitor and Azure Service Health.
- Describe privacy, compliance, and data protection standards.

Module 4: Azure Pricing and Support  
 In this module, you will learn about Azure subscriptions, planning and managing costs, support options, SLAs, and service lifecycles.

Lessons

- Azure subscriptions
- Planning and managing costs
- Azure support options
- Azure Service Level Agreements (SLAs)
- Service lifecycle in Azure

Lab : Walkthrough: Use the Azure Pricing Calculator  
 Lab : Walkthrough: Use the Azure TCO Calculator  
 Lab : Walkthrough: Open a Support request  
 Lab : Walkthrough: Calculate composite SLAs  
 Lab : Walkthrough: Access Azure Preview features

After completing this module, students will be able to:

- Use an Azure subscription.
- Plan and manage costs.
- Explain Azure support options.
- Describe Azure SLAs.

Explain Azure service lifecycles.

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## LISAINFO

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### Osalemise tingimused

Registreerudes e-poe, e-kirja või telefoni teel, saadame Teile arve ja täpsema info osalemise kohta. Nädal enne koolitust saadame Teile e-kirjaga meenutuse osalemise infoga.

Koolitusel osamine on nimeline, kuid saate osalejat tasuta muuta kuni koolituse alguseni.

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Kui Te ei saa mingil põhjusel osaleda, palun andke sellest kindlasti teada e-posti aadressil [info@koolitus.ee](mailto:info@koolitus.ee) või telefonil 667 0134 . Kui teatate koolitusel mitteosalemisest kuni 10 tööpäeva enne algust, pakume mõnd muud samaväärset koolitust või tagastame 100% tasutud koolituse maksumusest. Mitteosalemisest vähemalt 5 tööpäeva varem teatades, tagastame 50%. Muul juhul kuulub arve tasumisele. Raha tagastame ette antud summas juhul, kui pole tehtud koolituse korraldamisega seotud kulutusi (ostetud õppematerjale jms). Koolitusele mitteilmumisel, sellest mitteteatamisel või koolituse pooleljätmisel õppetasu ei tagastata.

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IT Koolitus on Eesti Töötukassa koolituskaardi koostööpartner. Tutvuge koolituskaardi infoga [SIIN](#). Täpsema info saamiseks võtke meiega ühendust telefonil 667 0134 või [info@koolitus.ee](mailto:info@koolitus.ee).