

WS-012T00-A: Windows Server 2019 Hybrid and Azure IaaS



Kestus: 24 akadeemilist tundi

Vana-Lõuna 39/1, Tallinn

[Vaata kõiki toimumiskuupäevi](#)

The main purpose of this course is to prepare IT professionals for planning, implementing, and managing environments that include Azure IaaS-hosted Windows Server-based workloads.

KOOLITUSEL ON KAMPAANIAHIND PERIOODIL 11. JUUNI - 31. AUGUST 2021!!!

This three-day course is intended primarily for IT professionals who have experience with managing an on-premises Windows Server environment. The course covers how to leverage the hybrid capabilities of Azure, how to migrate virtual and physical server workloads to Azure IaaS, and how to manage and secure Azure VMs running Windows Server 2019.

Target audience: This three-day course is intended for IT Professionals who manage on-premises Windows Server environments and want to use Azure to manage server workloads and secure virtual machines that are running on Windows Server 2019. Secondly, this course benefits any role that involves administrative and operational tasks targeting Microsoft Azure Infrastructure as a Service (IaaS) workloads.

Job role: Administrator

Features: none

After completing this course, students will be able to:

- Describe the foundational principles of Azure IaaS, including compute, storage, and networking.
- Identify tools used to implement hybrid solutions, including Windows Admin Center and PowerShell.
- Implement identity in Hybrid scenarios, including Azure AD DS on Azure IaaS and managed AD DS.
- Integrate Azure AD DS with Azure AD.
- Manage and monitor hybrid scenarios using WAC, Azure Arc, Azure Automation and Azure Monitor.
- Enhance hybrid security using Azure Security Center, Azure Sentinel, and Windows Update Management.
- Implement File Services in hybrid scenarios, using Azure Files and Azure File Sync.
- Plan and implement hybrid and cloud-only migration, backup, and recovery scenarios.
- Deploy Azure VMs running Windows Server 2019, and configure networking, storage, and security.
- Manage and maintain Azure VMs running Windows Server 2019.

Prerequisites to the course (recommended):

- Experience with managing Windows Server operating system and Windows Server workloads in on-premises scenarios, including AD DS, DNS, DFS, Hyper-V, and File and Storage Services
- Experience with common Windows Server management tools (implied by the first prerequisite).
- Basic knowledge of core Microsoft compute, storage, networking, and virtualization technologies (implied by the first prerequisite).
- Basic knowledge of on-premises resiliency Windows Server-based compute and storage technologies (Failover Clustering, Storage Spaces).
- Basic experience with implementing and managing IaaS services in Microsoft Azure.
- Basic knowledge of Azure Active Directory.
- Basic understanding security-related technologies (firewalls, encryption, multi-factor authentication, SIEM/SOAR).
- Basic knowledge of PowerShell scripting.

An understanding of the following concepts as related to Windows Server technologies:

- High Availability and Disaster Recovery
- Automation
- Monitoring

Training Principles:

The training is held in Estonian!

Each learning module is supported by practical exercises with hands-on laboratories.

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

Length: 24 academic hours

Access to the individual exercise environment Microsoft Labs Online (MLO) for an additional fee.

Choose the Microsoft exam that suits you and buy it through IT Training 10% cheaper (register your purchase in our exam center until December 31, 2021).

Koolituse läbiviimise põhimõtted:**Koolitus toimub eesti keeles!**

Koolituse osad on toetatud praktiliste harjutustega õpilaborites.

Tunnistuse väljastamise eelduseks on koolitusel osalemine terves mahus.

Maht: 24 akadeemilist tundi

Lisatasu eest ligipääs iseseisvale harjutuskeskkonnale Microsoft Labs Online (MLO).

Vali endale sobiv Microsofti eksam ja osta see läbi IT Koolituse 10% soodsamalt (registreeri ost meie eksamikeskuses kuni 31.12. 2021).

Continuing Education Curriculum Group: 0688 Information and Communication Technology Interdisciplinary curriculum group

The training topics and description:**Module 1: Introducing Azure Hybrid IaaS with Windows Server 2019**

This module describes the principles of Azure IaaS (compute, storage, and networking), and the methods of integrating on-premises environments with Azure and Azure AD (network, file services, management, monitoring, backup and disaster recovery, and identity). The module also introduces hybrid administrative tools (Windows Admin Center, Azure portal, PowerShell, and Azure CLI). As an introductory module, the majority of these topics will be covered in more depth later in the course. Additionally, the module does not cover Windows Server 2019 technologies beyond the topics that are relevant from a hybrid integration standpoint.

Module 2: Implementing identity in hybrid scenarios

This module presents the three primary methods of integrating identity management and authentication in hybrid scenarios; AD DS on Azure VMs, AD DS integrated with Azure Active Directory, and Azure AD DS).

Module 3: Facilitating hybrid management and operational monitoring in hybrid scenarios

This module highlights tools that facilitate hybrid management and operational monitoring, (separate from security-related monitoring, which is covered in module 4), including Windows Admin Center, Azure Arc, Azure Automation, and Azure Monitor.

Module 4: Implementing security solutions in hybrid scenarios

This module describes the primary techniques and services that enhance hybrid security, including Azure Security Center, Azure Sentinel, and Azure Monitor/Azure Automation-based solutions for Windows Update Management.

Module 5: Implementing file services in hybrid scenarios

This module describes how to leverage Azure File Services to replace or enhance on-premises Windows file servers. The module covers implementing Azure Files and Azure File Sync.

Module 6: Deploying and configuring Azure VMs

This module describes how to deploy and configure Azure VMs running Windows Server 2019. The module covers how to configure Azure VM networking, storage, and security.

Module 7: Managing and maintaining Azure VMs

This module describes how to manage and maintain Azure VMs running Windows Server 2019. The module describes tools for managing and maintaining Azure VMs, including Windows Admin Center, PowerShell Remoting via the Cloud Shell, the Run Command, serial console, and Azure Policy via Guest Configuration extension.

Module 8: Planning and implementing migration and recovery services in hybrid scenarios

This module describes how to plan and implement hybrid and cloud only migration, backup, and recovery scenarios by leveraging Windows Server 2019 and Azure services. These services include Azure Migrate, Storage Migration Service, Azure Backup, Azure Site Recovery, and Storage Replica.

More detailed information about the training/ Täpsemat infot koolituse kohta saad:

<https://docs.microsoft.com/en-us/learn/certifications/courses/ws-012t00>

The training price also includes:

- study materials;
- a trainer's consultation on the topics learned, by e-mail after the training;
- certificate.

As an added value, we offer:

- free parking;
- lunch;
- hot drinks with cookies;
- fresh fruits.

You can participate in the training also with the Unemployment Insurance Fund training card.

See you at the training!

LISAINFO

Osalemise tingimused

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

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

Koolituse eest tasumine toimub arvel viidatud arveldusarvele. Arve saadetakse maksja aadressile e-postiga. Arve tuleb tasuda enne koolituse algust arvel märgitud maksetähtajaks.

Kui Te ei saa mingil põhjusel osaleda, palun andke sellest kindlasti teada e-posti aadressil info@koolitus.ee või telefonil 618 1727 . 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 poolelijätmisel õppetasu ei tagastata.

IT Koolitusel on õigus koolitusgrupi mitte täitumisel koolituse toimumine edasi lükata või koolitus ära jätta. Koolitusele registreerunud teavitatakse kursuse edasi lükkumisest või ära jätmisest telefoni või e-posti teel. Koolituse ära jäämisel korraldajatest tulenevatel põhjustel makstakse õppetasu tagasi. .

IT Koolitus on Eesti Töötukassa koolituskaardi koostööpartner. Tutvuge koolituskaardi infoga [SIIN](#). Täpsema info saamiseks võtke meiega ühendust telefonil 618 1727 või info@koolitus.ee.