

Microsoft Azure Administrator (AZ-104)

Azure Administrator -koulutuksessa keskitytään Azuren käyttöönottoon, hallintaan, seurantaan ja vianselvitykseen.

Tavoite

Opi Azuren tärkeimpin resurssien mitoittaminen, käyttöönotto, hallinta, seuranta sekä vianselvitys.

Kenelle

Tämä kurssi on tarkoitettu Azure-pääkäyttäjille ja ympäristöjen ylläpitäjille. Osallistujilla olisi hyvä olla perusosaaminen käyttöjärjestelmistä, verkoista ja tietoliikenteestä, virtualisoinnista, tallennusratkaisuista sekä pilviarkkitehtuureista.

Tämän kurssin käyneiden työnimikkeet ovat olleet mm. IT-Specialist, tietohallintojohtaja, System Architect, Cloud Engineer, Senior Project Manager, Project Coordinator, Application Developer/Manager, Senior Analyst, palvelukehityspäällikkö, RPA Solution Architect, Service Delivery Manager, Head of IT.

Lisätiedot

Koulutus valmentaa Microsoftin viralliseen [AZ-104 Azure Administrator](#) – sertifointitestiin.

Koulutuksen sisältö

Manage Microsoft Entra users and groups

- **Create users and groups**
- **Manage user and group properties**
- **Manage licenses in Microsoft Entra ID**
- **Manage external users**
- **Configure self-service password reset (SSPR)**

Manage access to Azure resources

- **Manage built-in Azure roles**
- **Assign roles at different scopes**
- **Interpret access assignments**

Manage Azure subscriptions and governance

- **Implement and manage Azure Policy**
- **Configure resource locks**
- **Apply and manage tags on resources**
- **Manage resource groups**
- **Manage subscriptions**
- **Manage costs by using alerts, budgets, and Azure Advisor recommendations**
- **Configure management groups**

Configure access to storage

- **Configure Azure Storage firewalls and virtual networks**
- **Create and use shared access signature (SAS) tokens**
- **Configure stored access policies**
- **Manage access keys**
- **Configure identity-based access for Azure Files**

Configure and manage storage accounts

- **Create and configure storage accounts**
- **Configure Azure Storage redundancy**
- **Configure object replication**
- **Configure storage account encryption**
- **Manage data by using Azure Storage Explorer and AzCopy**

Configure Azure Files and Azure Blob Storage

- **Create and configure a file share in Azure Storage**
- **Create and configure a container in Blob Storage**
- **Configure storage tiers**
- **Configure snapshots and soft delete for Azure Files**
- **Configure blob lifecycle management**
- **Configure blob versioning**

Automate deployment of resources by using Azure Resource Manager (ARM) templates or Bicep files

- Interpret an Azure Resource Manager template or a Bicep file
- Modify an existing Azure Resource Manager template
- Modify an existing Bicep file
- Deploy resources by using an Azure Resource Manager template or a Bicep file
- Export a deployment as an Azure Resource Manager template or convert an Azure Resource Manager template to a Bicep file

Create and configure virtual machines

- Create a virtual machine
- Configure Azure Disk Encryption
- Move a virtual machine to another resource group, subscription, or region
- Manage virtual machine sizes
- Manage virtual machine disks
- Deploy virtual machines to availability zones and availability sets
- Deploy and configure an Azure Virtual Machine Scale Sets

Provision and manage containers in the Azure portal

- Create and manage an Azure container registry
- Provision a container by using Azure Container Instances
- Provision a container by using Azure Container Apps
- Manage sizing and scaling for containers, including Azure Container Instances and Azure Container Apps

Create and configure Azure App Service

- Provision an App Service plan
- Configure scaling for an App Service plan
- Create an App Service
- Configure certificates and Transport Layer Security (TLS) for an App Service
- Map an existing custom DNS name to an App Service
- Configure backup for an App Service
- Configure networking settings for an App Service

- **Configure deployment slots for an App Service**

Configure and manage virtual networks in Azure

- **Create and configure virtual networks and subnets**
- **Create and configure virtual network peering**
- **Configure public IP addresses**
- **Configure user-defined network routes**
- **Troubleshoot network connectivity**

Configure secure access to virtual networks

- **Create and configure network security groups (NSGs) and application security groups**
- **Evaluate effective security rules in NSGs**
- **Implement Azure Bastion**
- **Configure service endpoints for Azure platform as a service (PaaS)**
- **Configure private endpoints for Azure PaaS**

Configure name resolution and load balancing

- **Configure Azure DNS**
- **Configure an internal or public load balancer**
- **Troubleshoot load balancing**

Monitor resources in Azure

- **Interpret metrics in Azure Monitor**
- **Configure log settings in Azure Monitor**
- **Query and analyze logs in Azure Monitor**
- **Set up alert rules, action groups, and alert processing rules in Azure Monitor**
- **Configure and interpret monitoring of virtual machines, storage accounts, and networks by using Azure Monitor Insights**
- **Use Azure Network Watcher and Connection Monitor**

Implement backup and recovery

- **Create a Recovery Services vault**
- **Create an Azure Backup vault**

- **Create and configure a backup policy**
- **Perform backup and restore operations by using Azure Backup**
- **Configure Azure Site Recovery for Azure resources**
- **Perform a failover to a secondary region by using Site Recovery**
- **Configure and interpret reports and alerts for backups**

Avainsanat

Microsoft, Azure admin, Azure Administrator, Infra hallinta, Infra käyttöönotto, Azure vian selvitys