

AZ-104: Microsoft Azure Administrator

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Porto
- **Data:** 11 Abr. 2022 a 14 Abr. 2022
- **Preço:** 1510€
- **Horário:** Laboral - das 9h00 às 17h00
- **Duração:** 28 horas

This course teaches IT Professionals how to manage their Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale virtual machines, implement web apps and containers, back up and share data, and monitor your solution.

Destinatários

This course is for Azure Administrators. The Azure Administrator implements, manages, and monitors identity, governance, storage, compute, and virtual networks in a cloud environment. The Azure Administrator will provision, size, monitor, and adjust resources as appropriate.

Pré-requisitos

- Successful Azure Administrators start this role with experience in virtualization, networking, identity, and storage.
- Understanding of on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks.
- Understanding of network configurations, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.
- Understanding of Active Directory concepts, including users, groups, and role-based access control.
- Understanding of resilience and disaster recovery, including backup and restore operations.

Objetivos

- Prepare for Exam AZ-104: Microsoft Azure Administrator
- Manage Azure Active Directory objects, role-based access control (RBAC), subscriptions, and governance

in Azure

- Manage storage accounts, data in Azure Storage, and Azure File and Blob storage
 - Deploy and configure virtual machines, containers, and Web Apps in Azure
 - Configure and manage Azure network capabilities like connectivity services, application protection, application delivery, and network monitoring services
 - Monitor resources by using Azure Monitor and implement backup and recover in Azure
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Programa

Prerequisites for Azure administrators

- Configure Azure resources with tools
- Use Azure Resource Manager
- Configure resources with Azure Resource Manager templates
- Automate Azure tasks using scripts with PowerShell
- Control Azure services with the CLI
- Deploy Azure infrastructure by using JSON ARM templates

Manage identities and governance in Azure

- Configure Azure Active Directory
- Configure user and group accounts
- Configure subscriptions
- Configure Azure Policy
- Configure role-based access control
- Create Azure users and groups in Azure Active Directory
- Secure your Azure resources with Azure role-based access control (Azure RBAC)
- Allow users to reset their password with Azure Active Directory self-service password reset

Implement and manage storage in Azure

- Configure storage accounts
- Configure Azure Blob Storage
- Configure Azure Storage security
- Configure Azure Files and Azure File Sync
- Configure Azure Storage with tools
- Create an Azure Storage account
- Control access to Azure Storage with shared access signatures
- Upload, download, and manage data with Azure Storage Explorer

Deploy and manage Azure compute resources

- Configure virtual machines
- Configure virtual machine availability
- Configure virtual machine extensions
- Configure Azure App Service plans

- Configure Azure App Service
- Configure Azure Container Instances
- Configure Azure Kubernetes Service
- Manage virtual machines with the Azure CLI
- Create a Windows virtual machine in Azure
- Host a web application with Azure App Service
- Protect your virtual machine settings with Azure Automation State Configuration

Configure and manage virtual networks for Azure administrators

- Configure virtual networks
- Configure network security groups
- Configure Azure Firewall
- Configure Azure DNS
- Configure virtual network peering
- Configure VPN Gateway
- Configure ExpressRoute and Virtual WAN
- Configure network routing and endpoints
- Configure Azure Load Balancer
- Configure Azure Application Gateway
- Design an IP addressing schema for your Azure deployment
- Distribute your services across Azure virtual networks and integrate them by using virtual network peering
- Host your domain on Azure DNS
- Manage and control traffic flow in your Azure deployment with routes
- Improve application scalability and resiliency by using Azure Load Balancer

Monitor and back up Azure resources

- Configure file and folder backups
- Configure virtual machine backups
- Configure Azure Monitor
- Configure Azure alerts
- Configure Log Analytics
- Configure Network Watcher
- Improve incident response with alerting on Azure
- Analyze your Azure infrastructure by using Azure Monitor logs
- Monitor performance of virtual machines by using Azure Monitor VM Insights

Ao concluir com aproveitamento esta formação, cumprindo a percentagem mínima de 70% de assiduidade e após avaliação ao curso, o formando poderá receber o seu Certificado Microsoft de conclusão e o badge digital para partilhar com a sua rede profissional online.