



## AZ-104: Microsoft Azure Administrator

Microsoft - Azure Apps & Infrastructure

Live Training ( também disponível em presencial )

- **Localidade:** Imprimir Curso
- **Data:** 17 Jul 2023
- **Preço:** 1510 € ( Os valores apresentados não incluem IVA. Oferta de IVA a particulares e estudantes. )
- **Horário:** Laboral das 09h00 - 17h00
- **Nível:** Intermédio
- **Duração:** 28h

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### Sobre o curso

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.

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### 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.

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### 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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## Condições

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.

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## 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.
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## Programa

- Prerequisites for Azure administrators
- Manage identities and governance in Azure
- Implement and manage storage in Azure
- Deploy and manage Azure compute resources
- Configure and manage virtual networks for Azure administrators
- Monitor and back up Azure resources

### **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 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