

Microsoft Azure Exam AZ-104 Certification

3%

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My Bookmarked Labs

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⊖ 1. Manage Azure subscriptions and governance		⌚ 2h 45m	4 Labs
	Creating Azure resource locks	⌚ 45m	Attempts Start
	Working with resource tags	⌚ 30m	Attempts Start
	Creating Azure Policies	⌚ 30m	Attempts Start
	Working with Alerts	⌚ 1h 0m	Attempts Start

⊖ 2. Configure, Manage and Access Storage Accounts		⌚ 9h 30m	11 Labs
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Create a Storage Account	Bookmark ⌚ 30m	Attempts	Start
Network Access to Storage Accounts	Bookmark ⌚ 1h 0m	Attempts	Start
Create a Storage Account using Terraform	Bookmark ⌚ 1h 0m	Attempts	Start
Migrate data to cloud with AzCopy	Bookmark ⌚ 45m	Attempts	Start
Understanding Azure Blob Storage Tiers	Bookmark ⌚ 30m	Attempts	Start
Route storage events to web endpoint with PowerShell	Bookmark ⌚ 45m	Attempts	Start
Connect your Azure Storage Explorer to a storage account	Bookmark ⌚ 1h 0m	Attempts	Start
Monitor and Troubleshoot Azure Storage with Log Analytics	Bookmark ⌚ 1h 0m	Attempts	Start
Analyze and Troubleshoot Storage Issues Using Azure Metrics	Bookmark ⌚ 45m	Attempts	Start
E-Commerce Analytics Platform	Bookmark ⌚ 1h 30m	Attempts	Start
Create Queue storage and messaging using Python	Bookmark ⌚ 45m	Attempts	Start

⌚ 3. Configure Azure Files and Azure Blob Storage ⌚ 2h 15m 3 Labs

Working with Blob Storage	Bookmark ⌚ 30m	Attempts	Start
Working with Azure File Shares	Bookmark ⌚ 45m	Attempts	Start
Create an SMB Azure file share and connect it to a Windows VM using the Azure portal	Bookmark ⌚ 1h 0m	Attempts	Start
⊖ 4. Automate deployment of resources by using templates ⌚ 4h 45m 8 Labs			
Create a Windows VM using an ARM template	Bookmark ⌚ 30m	Attempts	Start
Create an internal load balancer to load balance VMs by using an ARM template	Bookmark ⌚ 45m	Attempts	Start
Publish Azure Static Web Apps using an ARM Template	Bookmark ⌚ 1h 0m	Attempts	Start
Create a Batch account by using ARM template	Bookmark ⌚ 30m	Attempts	Start
Creating an Azure DNS zone and record using an ARM template	Bookmark ⌚ 30m	Attempts	Start
Create a Windows virtual machine using a Bicep file	Bookmark ⌚ 30m	Attempts	Start
Creating an Azure DNS zone and record using Bicep	Bookmark ⌚ 30m	Attempts	Start
Implement DNS name resolution in Azure	Bookmark ⌚ 30m	Attempts	Start
⊖ 5. Create and configure VMs ⌚ 8h 30m 11 Labs			

Create a VM with CLI	Bookmark ⌚ 30m	Attempts	Start
Adding Data Disks to the VM Using CLI	Bookmark ⌚ 30m	Attempts	Start
Creating a linux VM	Bookmark ⌚ 30m	Attempts	Start
Deploying Software with VM Extensions	Bookmark ⌚ 45m	Attempts	Start
Deploy an NVA and Set Up Virtual Machines	Bookmark ⌚ 45m	Attempts	Start
Resizing of Virtual Machine	Bookmark ⌚ 1h 0m	Attempts	Start
Creating Availability Set	Bookmark ⌚ 1h 0m	Attempts	Start
Installing and Configuring an SSH Server on Linux	Bookmark ⌚ 1h 0m	Attempts	Start
Virtual Machine Scale Sets - Custom Script Extensions	Bookmark ⌚ 1h 0m	Attempts	Start
Create and manage a Virtual Machine Scale Set Using Azure CLI	Bookmark ⌚ 45m	Attempts	Start
Create SQL Server on Azure VM with PowerShell	Bookmark ⌚ 45m	Attempts	Start

⌚ 6. Create and configure containers ⌚ 4h 30m 6 Labs

Deploy your first container app using the Azure portal	Bookmark ⌚ 30m	Attempts	Start
Create a container registry by using a Bicep file	Bookmark ⌚ 30m	Attempts	Start
Confidential Container Deployment Using Azure Portal	Bookmark ⌚ 45m	Attempts	Start
Deploying a container instance using ARM template	Bookmark ⌚ 30m	Attempts	Start
Containerizing Web Apps on Azure App Service	Bookmark ⌚ 1h 30m	Attempts	Start
Deploy container app using Azure CLI	Bookmark ⌚ 45m	Attempts	Start

⌚ 7. Create and configure an Azure App Service

⌚ 3h 3 Labs

Create an Azure Web App Using CLI	Bookmark ⌚ 30m	Attempts	Start
Integrate Azure Content Delivery Network with an Azure App Service Web App	Bookmark ⌚ 1h 0m	Attempts	Start
Azure Web App Development with RESTful APIs Using Node.js and SQL Database	Bookmark ⌚ 1h 30m	Attempts	Start

⌚ 8. Configure virtual networks

⌚ 6h 45m 7 Labs

Implementing Virtual Network Peering	Bookmark ⌚ 1h 30m	Attempts	Start
Configure virtual network peering connections by using Azure CLI commands	Bookmark ⌚ 1h 30m	Attempts	Start
Create an Azure Virtual Network with Terraform	Bookmark ⌚ 30m	Attempts	Start
Understand Network Security Group rules	Bookmark ⌚ 1h 0m	Attempts	Start
Setting Up Global VNet Peering in Azure with Terraform	Bookmark ⌚ 1h 0m	Attempts	Start
Adding a network interface	Bookmark ⌚ 30m	Attempts	Start
End-to-End Azure VNet Architecture with Public and Private access VMs	Bookmark ⌚ 45m	Attempts	Start

⊕ 9. Configure load balancing	⌚ 6h 30m	5 Labs
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⊖ 10. Monitor virtual networking	⌚ 1h	1 Labs
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Deploy a Highly Available Web Application with Docker and Nginx Load Balancer on Azure Linux VMs	Bookmark ⌚ 1h 0m	Attempts	Start
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⊖ 11. Monitor resources by using Azure Monitor	⌚ 45m	1 Labs
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Alert on events within your Azure infrastructure using Activity Log Alerts	Bookmark ⌚ 45m	Attempts	Start
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⊖ 12. Miscellaneous Labs		⌚ 59h 30m	49 Labs
Create a SQL database	⌚ 1h 0m	Attempts	Start
Implement Azure Functions	⌚ 1h 0m	Attempts	Start
Install NGINX Webserver using Custom Script Extensions	⌚ 45m	Attempts	Start
Installing NGINX on Linux using Cloud Init	⌚ 45m	Attempts	Start
Understanding Azure Database Services	⌚ 1h 30m	Attempts	Start
Working with Custom Images	⌚ 45m	Attempts	Start
Working with Application Insights	⌚ 30m	Attempts	Start
Creating Azure Firewall	⌚ 1h 30m	Attempts	Start
Create a Linux VM using Terraform	⌚ 45m	Attempts	Start
Azure Blob Storage Photo Uploader	⌚ 2h 0m	Attempts	Start
Manage Windows Virtual Machines with Azure Bastion	⌚ 45m	Attempts	Start
Subscribe to Azure Kubernetes Service (AKS) events with Azure Event Grid	⌚ 30m	Attempts	Start

 Create a C# function in Azure from the command line	Bookmark ⌚ 1h 0m	Attempts	Start
 Connect Azure Functions to Azure Storage using command line tools	Bookmark ⌚ 2h 0m	Attempts	Start
 Create a C# function in Azure using Visual Studio Code	Bookmark ⌚ 1h 30m	Attempts	Start
 Build a Consumption Logic App Workflow in Azure Portal	Bookmark ⌚ 2h 0m	Attempts	Start
 Use Azure Event Grid to route Blob storage events to web endpoint	Bookmark ⌚ 1h 0m	Attempts	Start
 Route custom events to an Azure function by using Event Grid in Visual Studio	Bookmark ⌚ 1h 30m	Attempts	Start
 Configuring a Private DNS Zone Using the Azure Portal	Bookmark ⌚ 1h 30m	Attempts	Start
 Use Azure CLI to route custom events to a web endpoint	Bookmark ⌚ 45m	Attempts	Start
 Secure Azure Functions with Private Site Access	Bookmark ⌚ 2h 0m	Attempts	Start
 Route storage events to web endpoint with Azure CLI	Bookmark ⌚ 45m	Attempts	Start
 Control Azure Functions Outbound IP using NAT Gateway	Bookmark ⌚ 1h 30m	Attempts	Start

 Send events from private container registry to Event Grid	⌚ ⏳ 45m	Attempts	Start
 Migrate Event Hubs Data from Azure Storage to Synapse Analytics with Event Grid and Functions	⌚ ⏳ 2h 0m	Attempts	Start
 Create an application gateway with path-based routing rules using the Azure portal	⌚ ⏳ 1h 30m	Attempts	Start
 Configuring TLS Termination with Azure Application Gateway	⌚ ⏳ 1h 30m	Attempts	Start
 Create and configure an application gateway to host multiple web sites using the Azure portal	⌚ ⏳ 1h 30m	Attempts	Start
 Configure Application Gateway with a frontend public IPv6 address using the Azure portal	⌚ ⏳ 1h 30m	Attempts	Start
 Create an application gateway with HTTP to HTTPS redirection using the Azure CLI	⌚ ⏳ 1h 30m	Attempts	Start
 Create an application gateway that improves web application access using PowerShell	⌚ ⏳ 1h 30m	Attempts	Start
 Configure Application Gateway with a frontend public IPv6 address using Azure PowerShell	⌚ ⏳ 1h 30m	Attempts	Start

 Create a PowerShell function in Azure from the Visual Studio Code	Bookmark ⌚ 1h 0m	Attempts	Start
 Route custom events to web endpoint with PowerShell and Event Grid	Bookmark ⌚ 45m	Attempts	Start
 Create an Azure Front Door using Azure PowerShell	Bookmark ⌚ 1h 0m	Attempts	Start
 Create an application gateway with path-based redirection using the Azure CLI	Bookmark ⌚ 1h 30m	Attempts	Start
 Create an application gateway with path-based redirection using the Azure PowerShell	Bookmark ⌚ 1h 30m	Attempts	Start
 Create a Python function in Azure from the command line	Bookmark ⌚ 1h 0m	Attempts	Start
 Create a function in Azure with Python using Visual Studio Code	Bookmark ⌚ 1h 0m	Attempts	Start
 Create a JavaScript function in Azure from the command line	Bookmark ⌚ 1h 0m	Attempts	Start
 Create an Azure Windows VM with Alerts using Terraform	Bookmark ⌚ 45m	Attempts	Start
 Create an application gateway with HTTP to HTTPS redirection using Azure PowerShell	Bookmark ⌚ 1h 30m	Attempts	Start

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 Create an application gateway that hosts multiple web sites using the Azure CLI	Bookmark ⌚ 1h 30m	Attempts	Start
 Create an application gateway that hosts multiple web sites using Azure PowerShell	Bookmark ⌚ 1h 30m	Attempts	Start
 Create a function in Azure with TypeScript using Visual Studio Code	Bookmark ⌚ 1h 0m	Attempts	Start
 Create a TypeScript function in Azure from the command line	Bookmark ⌚ 1h 0m	Attempts	Start
 Using Azure Virtual Machine as a Web Server to Deploy NGINX	Bookmark ⌚ 1h 0m	Attempts	Start
 Create a Java function in Azure using VS Code	Bookmark ⌚ 1h 0m	Attempts	Start
 Fetching and Managing Data in Azure Cosmos DB with NoSQL API	Bookmark ⌚ 1h 0m	Attempts	Start

⌚ 13. Challenge Labs ⌚ 37h 30m 48 Labs

 Azure Challenge - Deploying Software with VM Extensions	Bookmark ⌚ 1h 0m	Attempts	Start
 Deploying a Flask Application with Docker on Azure Ubuntu VM	Bookmark ⌚ 1h 0m	Attempts	Start
 VNet Peering Challenge	Bookmark ⌚ 1h 30m	Attempts	Start
 Basic Load Balancer Challenge	Bookmark ⌚ 1h 0m	Attempts	Start

 Creating Azure Front Door for Your Web App	Bookmark ⌚ 1h 0m	Attempts	Start
 Network Access to Storage Accounts Challenge	Bookmark ⌚ 1h 0m	Attempts	Start
 Challenge Lab - Installing Internet Information Service	Bookmark ⌚ 1h 0m	Attempts	Start
 Create a private link to an Azure Container App with Azure Front Door	Bookmark ⌚ 1h 0m	Attempts	Start
 Create a VNet and Subnets in Azure Using Terraform	Bookmark ⌚ 30m	Attempts	Start
 Azure Firewall Challenge	Bookmark ⌚ 2h 0m	Attempts	Start
 Azure Application Gateway Challenge	Bookmark ⌚ 1h 30m	Attempts	Start
 Alert on events within your Azure infrastructure using Activity Log Alerts challenge	Bookmark ⌚ 1h 0m	Attempts	Start
 Azure VM Creation using CLI Challenge	Bookmark ⌚ 30m	Attempts	Start
 Azure Web App Creation using CLI Challenge	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab - Creating a Linux VM	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab - Implement Azure Functions	Bookmark ⌚ 1h 0m	Attempts	Start
 Challenge Lab - Create a SQL database	Bookmark ⌚ 30m	Attempts	Start

 Challenge lab- Storage account creation	Bookmark ⌚ 45m	Attempts	Start
 Challenge lab- Creating Azure Resource Lock	Bookmark ⌚ 45m	Attempts	Start
 Challenge Lab - Understanding Azure Kubernetes Service	Bookmark ⌚ 45m	Attempts	Start
 Challenge Lab - Creating Availability Set	Bookmark ⌚ 1h 0m	Attempts	Start
 Challenge Lab - Understand Network Security Group rules	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab - Installing NGINX on Linux using Cloud Init	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab - Install NGINX Webserver using Custom Script Extensions	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab - Adding Data Disks to the VM Using CLI	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab - Understanding Azure Database Services	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab - Working with Blob Storage	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab - Working with Azure File Shares	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab - Understanding Azure Blob Storage Tiers	Bookmark ⌚ 30m	Attempts	Start

 Challenge lab- Resizing a Virtual machine	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab - Working with Alerts	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab – Working with resource tags	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab - Adding a network interface	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab - Working with Application Insights	Bookmark ⌚ 30m	Attempts	Start
 Challenge lab - Implement Azure Kubernetes Service	Bookmark ⌚ 1h 30m	Attempts	Start
 Challenge lab - Create a gateway Load balancer using Azure Portal	Bookmark ⌚ 1h 0m	Attempts	Start
 Challenge Lab - Create an internal load balancer to load balance VMs by using an ARM template	Bookmark ⌚ 45m	Attempts	Start
 Challenge Lab - Publish Azure Static Web Apps using an ARM Template	Bookmark ⌚ 1h 0m	Attempts	Start
 Challenge Lab - Create and deploy Azure Function resources from an ARM Template	Bookmark ⌚ 45m	Attempts	Start
 Challenge Lab - Adding Data Disk via Console	Bookmark ⌚ 30m	Attempts	Start
 Challenge lab - Working with Custom Images	Bookmark ⌚ 45m	Attempts	Start

 Challenge lab- Create a Windows VM using an ARM template	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab – Virtual Machine Scale Sets: Custom Script Extensions	Bookmark ⌚ 1h 0m	Attempts	Start
 Challenge Lab – Implement DNS name resolution in Azure	Bookmark ⌚ 30m	Attempts	Start
 Challenge Lab – Manage Windows Virtual Machines with Azure Bastion	Bookmark ⌚ 45m	Attempts	Start
 Challenge Lab – Containerizing Web Apps on Azure App Service	Bookmark ⌚ 45m	Attempts	Start
 Challenge Lab – Create an SMB Azure file share and connect it to a Windows VM using the Azure portal	Bookmark ⌚ 1h 0m	Attempts	Start
 Challenge Lab – Resizing of Virtual Machine	Bookmark ⌚ 30m	Attempts	Start

⊖ 14. Lab Projects

⌚ 12h6 Labs

 Building and Hosting a Portfolio using Azure App Service	Bookmark ⌚ 1h 30m	Attempts	Start
 Azure APIM Integration with App Service	Bookmark ⌚ 1h 30m	Attempts	Start
 Integrate Azure Services for Web Solutions	Bookmark ⌚ 2h 0m	Attempts	Start
 Monitor, Diagnose, and Fix IoT Solutions	Bookmark ⌚ 2h 0m	Attempts	Start
 Creating a Secure Site-to-Site VPN Connection Between Two Azure Virtual Networks	Bookmark ⌚ 3h 0m	Attempts	Free
 Azure VM Auto-Shutdown and Startup Using Azure Functions	Bookmark ⌚ 2h 0m	Attempts	Start

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Java Certifications	Docker Certified Associate			

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