

Course Name	AZ-104: Microsoft Azure Administrator		
Course Name			
About the Course	This course teaches IT Professionals how to manage their Azure subscriptions, secure administer the infrastructure, configure virtual networking, connect Azure and on-prem network traffic, implement storage solutions, create and scale virtual machines, impler containers, back up and share data, and monitor your solution	ises sites, manage	
Key Skills You Will Learn	Manage Azure identities and governance, Implement and manage storage, Deploy an compute resources, Implement and manage virtual networking, Monitor and maintain		
Course Pre-Requisite	You should be familiar with: Operating systems, Networking, Servers, Virtualization, PCLI, The Azure portal, Azure Resource, Manager templates, Microsoft Entra ID		
Target Audience	This course is suitable for Azure Administrators or anyone who wants to learn Cloud, p Cloud, Cloud Engineers/Architects/Managers, Software Developers, DevOps Enginee Engineers, Data Analysts etc.	•	
Job prospects with this role	Azure Administrator Associate, Azure Administrator, Azure Data Engineer, Azure Data Database Administrator, Cloud Architect or DevOps Engineer	•	
Course Duration	~ 40 Hrs		
Course Customisation	No job assistance		
Certification	READYBELL AZ-104: Microsoft Azure Administrator Certificate		
Mode of Training	Instructor-led 100% Online or 100% Classroom (Salt Lake, Kolkata - India) or hybrid n Classroom) as suitable for the learner	node (Online +	
Course Fees	Please contact us		
Refund Policy	Get a 3-hours free trial during which you can cancel at no penalty. After that, we don't	t give refunds	
Job Assistance	Will assist candidate in securing a suitable job		
Contact	READYBELL SOFTWARE SERVICES PVT. LIMITED AH 12, SALT LAKE SECTOR 2, KOLKATA (INDIA) - 700 091 E-MAIL: contact@readybellsoftware.com PH: +91 - 9147708045/9674552097, +91 - 33-79642872	Ready Bell Software Services Pvt. Ltd.	

Module 6: Configure subscriptions	
Introduction	
Identify Azure regions	
Implement Azure subscriptions	
Obtain an Azure subscription	
Identify Azure subscription usage	
Implement Microsoft Cost Management	
Apply resource tagging	
Apply cost savings	
Module 7: Configure Azure Policy	
Introduction	
Create management groups	
Implement Azure policies	
Create Azure policies	
Create policy definitions	
Create an initiative definition	
Scope the initiative definition	
Determine compliance	
Interactive lab simulation	
Module 8: Manage users and groups in Microsoft Entra ID	
Introduction	
What is Microsoft Entra ID?	
Create and manage users	
Create and manage groups	
Use roles to control resource access	
Connect Active Directory to Microsoft Entra ID with Microsoft Entra Connect	
Describe the purpose of Azure Advisor	
Describe Azure Service Health	
Describe Azure Monitor	
Module 9: Secure your Azure resources with Azure role-based access control (Azure	
RBAC)	
Introduction	
What is Azure RBAC?	
Knowledge check - What is Azure RBAC?	
Exercise - List access using Azure RBAC and the Azure portal	
Exercise - Grant access using Azure RBAC and the Azure portal	
Exercise - View activity logs for Azure RBAC changes	
Knowledge check - Using Azure RBAC	
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Module 10: Allow users to reset their password with Microsoft Entra self-service	
password reset	
Introduction	
What is self-service password reset in Microsoft Entra ID?	
Implement Microsoft Entra self-service password reset	
AZ-104: Configure and manage virtual networks for Azure administrators	
Module 11: Configure virtual networks	
Introduction	
Plan virtual networks	
Create subnets	
Create virtual networks	
Plan IP addressing	
Create public IP addressing	
Associate public IP addresses	
Allocate or assign private IP addresses	
Interactive lab simulation	
Module 12: Configure network security groups	
Introduction	
Implement network security groups	
Determine network security group rules	
Determine network security group effective rules	
Create network security group rules	
Implement application security groups	
Interactive lab simulation	
Module 13:Configure Azure Virtual Network peering	
Introduction	
Determine Azure Virtual Network peering uses	
Determine gateway transit and connectivity	
Create virtual network peering	
Extend peering with user-defined routes and service chaining	
Interactive lab simulation	
Module 14: Configure Azure Load Balancer	
Introduction	
Determine Azure Load Balancer uses	
Implement a public load balancer	
Implement an internal load balancer	
Determine load balancer SKUs	
Create back-end pools	
Create health probes	
Create load balancer rules	
Interactive lab simulation	

ule 15: Configure Azure Application Gateway	
roduction	
plement Azure Application Gateway	
termine Azure Application Gateway routing	
nfigure Azure Application Gateway components	
ule 16: Design an IP addressing schema for your Azure deployment	
roduction	
twork IP addressing and integration	
blic and private IP addressing in Azure	
an IP addressing for your networks	
ercise - Design and implement IP addressing for Azure virtual networks	
ule 17: Distribute your services across Azure virtual networks and integrat	te them
sing virtual network peering	
roduction	
nnect services by using virtual network peering	
ercise - Prepare virtual networks for peering by using Azure CLI command	ds
ercise - Configure virtual network peering connections by using Azure CLI	
mmands	
ercise - Verify virtual network peering by using SSH between Azure virtual	I
nchines	
ule 18: Host your domain on Azure DNS	
roduction	
nat is Azure DNS?	
nfigure Azure DNS to host your domain	
ercise - Create a DNS zone and an A record by using Azure DNS	
namically resolve resource name by using alias record	
ercise - Create alias records for Azure DNS	
ule 19: Manage and control traffic flow in your Azure deployment with rout	tes
roduction	
entify routing capabilities of an Azure virtual network	
ercise - Create custom routes	
nat is an NVA?	
ercise - Create an NVA and virtual machines	
ercise - Route traffic through the NVA	
ule 20: Improve application scalability and resiliency by using Azure Load	
ncer	
roduction	
ure Load Balancer features and capabilities	
nfigure a public load balancer	

Exercise - Configure a public load balancer	
Internal load balancer	
AZ-104: Implement and manage storage in Azure	
Module 21: Configure storage accounts	
Introduction	
Implement Azure Storage	
Explore Azure Storage services	
Determine storage account types	
Determine replication strategies	
Access storage	
Secure storage endpoints	
Module 22: Configure Azure Blob Storage	
Introduction	
Implement Azure Blob Storage	
Create blob containers	
Assign blob access tiers	
Add blob lifecycle management rules	
Determine blob object replication	
Upload blobs	
Determine Blob Storage pricing	
Interactive lab simulation	
Module 23: Configure Azure Storage security	
Introduction	
Review Azure Storage security strategies	
Create shared access signatures	
Identify URI and SAS parameters	
Determine Azure Storage encryption	
Create customer-managed keys	
Apply Azure Storage security best practices	
Interactive lab simulation	
Module 24: Configure Azure Files and Azure File Sync	
Introduction	
Compare storage for file shares and blob data	
Manage Azure file shares	
Create file share snapshots	
Implement soft delete for Azure Files	
Use Azure Storage Explorer	
Deploy Azure File Sync	

Modulo 25: Create on Azuro Storago accept	<b>—</b>
Module 25: Create an Azure Storage account	$\dashv$
Introduction	4
Decide how many storage accounts you need	4
Choose your account settings	4
Choose an account creation tool	4
Exercise - Create a storage account using the Azure portal	4
Knowledge check - Create a storage account	4
Module 26: Upload, download, and manage data with Azure Storage Explorer	4
Introduction	4
Connect Azure Storage Explorer to a storage account	4
Exercise - Connect Azure Storage Explorer to a storage account	_
Connect Azure Storage Explorer to Azure Data Lake Storage	_
Exercise - Connect Azure Storage Explorer to Azure Data Lake Storage	4
AZ-104: Deploy and manage Azure compute resources	4
Module 27: Configure virtual machines	4
Introduction	4
Review cloud services responsibilities	_
Plan virtual machines	
Determine virtual machine sizing	
Determine virtual machine storage	
Create virtual machines in the Azure portal	
Connect to virtual machines	
Interactive lab simulation	
Module 28: Configure virtual machine availability	
Introduction	
Plan for maintenance and downtime	
Create availability sets	
Review update domains and fault domains	
Review availability zones	
Compare vertical and horizontal scaling	
Implement Azure Virtual Machine Scale Sets	
Create Virtual Machine Scale Sets	
Implement autoscale	
Configure autoscale	
Interactive lab simulation	1
Module 29: Configure Azure App Service plans	1
Introduction	7
Implement Azure App Service plans	7
Determine Azure App Service plan pricing	7
Scale up and scale out Azure App Service	1

Configure Azure App Service autoscale
Module 30: Configure Azure App Service
Introduction
Implement Azure App Service
Create an app with App Service
Explore continuous integration and deployment
Create deployment slots
Add deployment slots
Secure your App Service app
Create custom domain names
Back up and restore your App Service app
Use Azure Application Insights
Interactive lab simulation
Module 31: Configure Azure Container Instances
Introduction
Compare containers to virtual machines
Review Azure Container Instances
Implement container groups
Review Azure Container Apps
Interactive lab simulation
Module 32: Manage virtual machines with the Azure CLI
What is the Azure CLI?
Exercise - Create a virtual machine
Exercise - Test your new virtual machine
Exercise - Explore other VM images
Exercise - Sizing VMs properly
Exercise - Query system and runtime information about the VM
Exercise - Start and stop your VM with the Azure CLI
Exercise - Install software on your VM
Module 33: Create a Windows virtual machine in Azure
Introduction
Create a Windows virtual machine in Azure
Exercise - Create a Windows virtual machine
Use RDP to connect to Windows Azure virtual machines
Exercise - Connect to a Windows virtual machine using RDP
Configure Azure virtual machine network settings
Module 34: Host a web application with Azure App Service
Introduction
Create a web app in the Azure portal
Exercise - Create a web app in the Azure portal

Use action groups and alert processing rules to send notifications when an alert is fired
Exercise -Use an activity log alert and an action group to notify users about events in your Azure infrastructure
Module 40: Analyze your Azure infrastructure by using Azure Monitor logs
Introduction
Features of Azure Monitor logs
Create basic Azure Monitor log queries to extract information from log data
Exercise - Create basic Azure Monitor log queries to extract information from log
data
Module 41: Monitor your Azure virtual machines with Azure Monitor
Introduction
Monitoring for Azure VMs
Monitor VM host data
Use Metrics Explorer to view detailed host metrics
Collect client performance counters by using VM insights
Collect VM client event logs
 To register for this course please e-mail/call us