



Sherdil IT Academy

Pakistan's 1st Multi-Cloud Academy

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Azure 2in1 (Azure Administrator / Azure Security Engineer)

S.No	Topics	Training Method
1.	Introduction to Azure Fundamentals and Security <ul style="list-style-type: none">• Benefits and Considerations• As A Service Offerings• Azure Tools• Core Identity• Azure Pricing and Support• Planning and Managing Cost• Azure Regions• Azure Resource Manager• Defense in Depth• Security Layers• Compliance and Security Requirements	Theory
2.	Manage Azure Subscriptions and Security Operations <ul style="list-style-type: none">• Intro to Accounts and Subscriptions• Naming and Tagging• Azure Subscriptions Configurations• RBAC Overview• Azure Monitor• Log Analytics• Azure Security Center Overview• Azure Policy	Theory
3.	Manage Azure Subscriptions and Security Operations <ul style="list-style-type: none">• Azure Trial Account Creation• Quotas, Cost Analysis and Tagging• Monitoring, Alerts, Activity log• Billing Alerts• Cost Management• Subscription Policies• Implement Role-Based Access• Azure Monitor and Alerts• Log Analytics• Prevent and Respond to Threats in Azure Security Center• Implement Azure Policy• Implement a Resource Lock	Hands On Lab
4.	Azure Virtual Networks and Security <ul style="list-style-type: none">• Network Overview• Network Security Overview• Network Security Groups (NSGs)• Cross Site Connectivity• Azure Load Balancing Services• Azure Firewall	Theory

	<ul style="list-style-type: none"> • Distributed Denial of Service (DDoS) 	
5.	Azure Virtual Networks and Security <ul style="list-style-type: none"> • Create VNets and Subnets via the Azure Portal and PowerShell • Configure User-Defined Routes and VNet Peering • Create and Configure a NSG • Cross Site Connectivity • Create and Configure an Azure LoadBalancer • Configure Azure DNS • Configure App Gateway • Configure Azure Firewall 	Hands On Lab
6.	Host Operations and Security <ul style="list-style-type: none"> • Virtual Machines (VMs) Overview • VM Configuration, Networking, Storage • VM Availability, Scalability, Extensions • Azure Disk Encryption • VM Security Best Practices 	Theory
7.	Host Operations and Security <ul style="list-style-type: none"> • Create and Connect to Azure VM • Deploying Virtual Machine Images, Custom Images, Linux • Configuring Virtual Machines • Create Key Vault for Disk Encryption • Configure Disk Encryption • Azure Security Center and VMManagement • VM Hardening in Security Center 	Hands On Lab
8.	Storage and Data Services with Security <ul style="list-style-type: none"> • Storage Account Overview • Manage Permissions • Encryption Keys and Key Vault • Key Vault Overview • Azure Backup and Recovery Services 	Theory
9.	Storage and Data Services with Security <ul style="list-style-type: none"> • Create a Storage Account via Portal • Use Storage Explorer with Azure Storage • Create and Manage SAS • Azure File and Sync Services • Configure Azure Backup and Recovery Services 	Hands On Lab
10.	Azure Active Directory for Workloads <ul style="list-style-type: none"> • Azure Active Directory (AD) Overview • AD Connect Overview • Authentication Options • Service Principals • Identity Protection • Privileged Identity Management (PIM) 	Theory
11.	Azure Active Directory for Workloads <ul style="list-style-type: none"> • Create Azure AD Tenant • Move Subscription to another Directory • Create Users and Groups • Implementing AD Connect • Monitoring with AD Connect Health • Create a Service Principal 	Hands On Lab

	<ul style="list-style-type: none">● App Registration● Configure Identity Protection● Configure Privileged Identity Management	
12.	Final Project <ul style="list-style-type: none">● Final Overview & Exam Discussion	