Course Name	AZ-700 Designing and Implementing Microsoft Azure Networking Solutions
About the Course	This is a comprehensive training program to gain expertise in design, implementation, and maintenance of Azure networking infrastructure, load balancing traffic, network routing, and more
Key Skills You Will Learn	Design and implement core networking infrastructure, Design, implement, and manage connectivity services, Design and implement application delivery services, Design and implement private access to Azure services, Secure network connectivity to Azure resources
Course Pre-Requisite	You should have experience creating and managing compute, storage, and networking resources in Azure. You should understand networking fundamentals, such as: Name resolution, Network protocols, Network address management
Target Audience	Aspiring Azure Network Engineers, Cloud Solutions Architects, Cloud Operations Engineers, IT Professionals preparing for the Microsoft Certified: Azure Network Engineer Associate Exam, Enterprise Architects, Azure Administrators, Identity and Access Administrators, Network Engineers, Security Engineers, Azure Professionals
Job prospects with this role	Cloud Solutions Architect, Cloud Administrator, Azure Networking Engineer, DevOps Engineer, Network Administrator, Network Security Engineer, IT Operations Manager
Course Duration	~ 32 Hrs
Course Customisation	Not applicable
Certification	READYBELL AZ-700 Designing and Implementing Microsoft Azure Networking Solutions Certificate
Mode of Training	Instructor-led 100% Online or 100% Classroom (Salt Lake, Kolkata - India) or hybrid mode (Online + Classroom) as suitable for the learner
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 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**

CURRICULUM		
Topic	**Sub-Topic**	**Duration (Hrs)**
AZ-700 Designing and Implementing Microsoft Azure Networking Solutions	Module 1: Introduction to Azure Virtual Networks	32 Hrs
	Introduction	
	Explore Azure Virtual Networks	
	Configure public IP services	
	Exercise: Design and implement a virtual network in Azure	
	Design name resolution for your virtual network	
	Exercise: Configure domain name servers settings in Azure	
	Enable cross-virtual network connectivity with peering	
	Exercise: Connect two Azure virtual networks using global virtual network peering	
	Implement virtual network traffic routing	
	Configure internet access with Azure Virtual NAT	
	Module 2: Design and implement hybrid networking	
	Introduction	
	Design and implement Azure VPN Gateway	
	Exercise: Create and configure a virtual network gateway	
	Connect networks with Site-to-site VPN connections	
	Connect devices to networks with Point-to-site VPN connections	
	Connect remote resources by using Azure Virtual WANs	
	Exercise: create a Virtual WAN by using the Azure portal	
	Create a network virtual appliance (NVA) in a virtual hub	
	Module 3: Design and implement Azure ExpressRoute	
	Introduction	
	Explore Azure ExpressRoute	
	Design an ExpressRoute deployment	
	Exercise: configure an ExpressRoute gateway	
	Exercise: provision an ExpressRoute circuit	
	Configure peering for an ExpressRoute deployment	
	Connect an ExpressRoute circuit to a virtual network	
	Connect geographically dispersed networks with ExpressRoute global reach	
	Improve data path performance between networks with ExpressRoute FastPath	
	Troubleshoot ExpressRoute connection issues	
	Module 4: Load balance non-HTTP(S) traffic in Azure	
	Introduction	
	Explore load balancing	
	Design and implement Azure load balancer using the Azure portal	
	Exercise: create and configure an Azure load balancer	

Explore Azure Traffic Manager	
Exercise: create a Traffic Manager profile using the Azure portal	
Module 5: Load balance HTTP(S) traffic in Azure	
Introduction	
Design Azure Application Gateway	
Configure Azure Application Gateway	
Exercise: deploy Azure Application Gateway	
Design and configure Azure Front Door	
Exercise: create a Front Door for a highly available web application	
Module 6: Design and implement network security	
Introduction	
Get network security recommendations with Microsoft Defender for Cloud	
Deploy Azure DDoS Protection by using the Azure portal	
Exercise: Configure DDoS Protection on a virtual network using the Azure portal	
Deploy Network Security Groups by using the Azure portal	
Design and implement Azure Firewall	
Exercise: Deploy and configure Azure Firewall using the Azure portal	
Secure your networks with Azure Firewall Manager	
Exercise: Secure your Virtual Hub using Azure Firewall Manager	
Implement a Web Application Firewall on Azure Front Door	
Module 7: Design and implement private access to Azure Services	
Introduction	
Explain virtual network service endpoints	
Define Private Link Service and private endpoint	
Integrate private endpoint with DNS	
Exercise: Restrict network access to PaaS resources with virtual network service endpoints using the Azure portal	
Exercise: Create an Azure private endpoint using Azure PowerShell	
Module 8: Design and implement network monitoring	
Introduction	
Monitor your networks using Azure monitor	
Exercise: monitor a load balancer resource using Azure monitor	
Monitor your networks using Azure network watcher	

To register for this course please e-mail/call us