CORSO AZ-700
DESIGNING AND IMPLEMENTING MICROSOFT AZURE NETWORKING SOLUTIONS

DURATA: 3 GIORNI

PROGRAMMA

MODULE I: INTRODUCTION TO AZURE VIRTUAL NETWORKS

- Explore Azure Virtual Networks
- Configure public IP services
- Design name resolution for your Virtual Network
- Enable Cross-VNet connectivity with peering
- Implement virtual network traffic routing
- Configure internet access with Azure Virtual NAT

MODULE II: DESIGN AND IMPLEMENT HYBRID NETWORKING

- Design and implement Azure VPN 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
- Create a network virtual appliance (NVA) in a virtual hub

MODULE III: DESIGN AND IMPLEMENT AZURE EXPRESSROUTE

- Explore Azure ExpressRoute
- Design an ExpressRoute deployment
- Configure peering for an ExpressRoute deployment
- Connect an ExpressRoute circuit to a VNet
- Connect geographically dispersed networks with ExpressRoute global reach
- Improve data path performance between networks with ExpressRoute FastPath
- Troubleshoot ExpressRoute connection issues

MODULE IV: LOAD BALANCING NON-HTTP(S) TRAFFIC IN AZURE

- Explore load balancing
- Design and implement Azure load balancer using the Azure portal
- Explore Azure Traffic Manager

MODULE V: LOAD BALANCING HTTP(S) TRAFFIC IN AZURE

- Design Azure application gateway
- Configure Azure application gateway
- Design and configure Azure front door

MODULE VI: DESIGN AND IMPLEMENT NETWORK SECURITY

- Secure your virtual networks in the Azure portal
- Deploy Azure DDoS Protection by using the Azure portal
- Deploy Network Security Groups by using the Azure portal
- Design and implement Azure Firewall
- Working with Azure Firewall Manager
- Implement a Web Application Firewall on Azure Front Door

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MODULE VII: DESIGN AND IMPLEMENT PRIVATE ACCESS TO AZURE SERVICES

- Define Private Link Service and private endpoint
- Explain virtual network service endpoints
- Integrate Private Link with DNS
- Integrate your App Service with Azure virtual networks

MODULE VIII: DESIGN AND IMPLEMENT NETWORK MONITORING

- Monitor your networks with Azure Monitor
- Monitor your networks with Azure Network Watcher

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