Exam Session - Knowledge Check: Implementing Networking for Azure Virtual Desktop

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#1

What are the two basic ways a client can connect to Azure Virtual Desktop?

✓ from the public Internet or from a hybrid network

✗ from the public Internet or from a private network

✗ from a site-to-site VPN or from a point-to-site VPN

✗ from an RDP shortpath or from an AVD gateway

Explanation

Clients connect to AVD in two basic ways. The first is from the public Internet. The second is from a hybrid network.

/course/implementing-networking-azure-virtual-desktop-2159/avd-client-connectivity/

#2

Which special subnet in Azure is required for setting up an Azure firewall for security?

✓ AzureFirewallSubnet

✗ GatewaySubnet

✗ SecuritySubnet

✕
EncryptedSubnet

Explanation

There are three special subnets in Azure that need specific names. AzureFirewallSubnet is required for you to set up an Azure firewall for security.

/course/implementing-networking-azure-virtual-desktop-2159/avd-network-implementation/
#3

Which hybrid connection option to Azure Virtual Desktop is a private direct connection between your company, the provider of your choice, and Microsoft?

✕
RDP Shortpath

✓
Azure ExpressRoute

✕
Site-to-Site VPN

✕
Point-to-Site VPN

Explanation

The hybrid option breaks down further into these following options. First is an Azure ExpressRoute. This is a private direct connection between your company, the provider of your choice, and Microsoft.

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#4

Which Azure Network Watcher tool verifies if traffic would be allowed to flow inbound or outbound from a VM in Azure?

✕
NSG Flow Logs

✗
Next Hop

✓
IP Flow Verify

✗
VPN Troubleshooter

Explanation

Most tools inside Network Watcher require you to have VMs that are online for it to examine. The next tool we'll look at is IP Flow Verify. This is an on-demand tool that will verify if traffic would be allowed to flow inbound or outbound from a VM in Azure.

/course/implementing-networking-azure-virtual-desktop-2159/monitoring-troubleshooting-demo/

#5

The two services needed to monitor an Azure Virtual Desktop network are _____.

✗
Azure Percept and Azure Stream Analytics

✓
Azure Monitor and Azure Network Watcher

✗
Azure Metrics Advisor and Azure IoT Hub

✗
Microsoft Azure portal and Visual Studio App Center

Explanation

When it comes to network monitoring, there are two services that you need to set up. In the search bar at the top of the screen, type "monitor." Select the first match, and this is the Azure Monitor Service. The second component of network monitoring uses the Azure Network Watcher.

/course/implementing-networking-azure-virtual-desktop-2159/monitoring-troubleshooting-demo/

#6

Which special subnet in Azure allows you to connect to and manage your Azure virtual machine resources?


AVDSubnet


AzureBastionSubnet


VMSubnet


GatewaySubnet

Explanation

There are three special subnets in Azure that need specific names. The AzureBastionSubnet service will allow you to connect to your Azure virtual machine resources and manage them.

/course/implementing-networking-azure-virtual-desktop-2159/avd-network-implementation/

#7

Which hybrid connection option to Azure Virtual Desktop is necessary if you want to require your AVD clients to connect to a VPN before they can get to AVD?


RDP Shortpath


Azure ExpressRoute


Site-to-Site VPN


Point-to-Site VPN

Explanation

If you want to require your AVD clients to connect to a VPN before they can get to AVD, then you will want to have a Point-to-Site VPN.

/course/implementing-networking-azure-virtual-desktop-2159/avd-client-connectivity/#8

Which of the following characteristics is not part of the five-tuple rule set through which an Azure network security group works?

✗
protocol

✓
protocol IP

✗
source port

✗
destination IP

Explanation

The NSG works on a five-tuple rule set; this means that it will be looking at the source IP, destination IP, source port, destination port, and protocol.

/course/implementing-networking-azure-virtual-desktop-2159/avd-network-security/#9

Which Azure Network Watcher tool will verify that your gateway and connections are functioning properly to your on-premises network?

✗
NSF Flow Logs

✗
Next Hop

✗
IP Flow Verify

✓
VPN Troubleshoot

Explanation

Most tools inside Network Watcher require you to have VMs that are online for it to examine. The VPN Troubleshooter tool will verify that your gateway and connections are functioning properly to your on-prem and along with that, the NSG Flow Logs will give you even greater details than the diagnostic laws we set up earlier.

/course/implementing-networking-azure-virtual-desktop-2159/monitoring-troubleshooting-demo/
#10

Which Azure Network Watcher tool is helpful, if you have a hub and spoke topology or a firewall, in detecting whether everything is going the way it should?

✗
NSF Flow Logs

✓
Next Hop

✗
IP Flow Verify

✗
VPN Troubleshooter

Explanation

Most tools inside Network Watcher require you to have VMs that are online for it to examine. The other tools on the left besides IP Flow Verify have a different spin on connectivity troubleshooting like NSG diagnostics. Next Hop, which is helpful, if you have a hub and spoke topology or a firewall, will let you know that everything is going the way that it should.

/course/implementing-networking-azure-virtual-desktop-2159/monitoring-troubleshooting-demo/
#11

Which special subnet in Azure contains the resources required for setting up a VPN or ExpressRoute connection?

✓ GatewaySubnet

✗ AzureFirewallSubnet

✗ AzureBastionSubnet

✗ AVDSubnet

Explanation

There are three special subnets in Azure that need specific names. The GatewaySubnet will contain the Azure Virtual Network gateway resources, which are required for setting up a VPN or ExpressRoute connection.

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#12

Which hybrid connection option to Azure Virtual Desktop is necessary if you have your domain controllers or other resources that your AVD users will need access to on-site? (Choose 2 answers)

✗ RDP Shortpath

✓ Azure ExpressRoute

✓ Site-to-Site VPN

✗ Point-to-Site VPN

Explanation

The hybrid option breaks down further into the following options: One is a Site-to-Site VPN. If you have your domain controllers or other resources on-site that your AVD users will still need access to, then you will need a Site-to-Site VPN. You could also use Azure ExpressRoute to create private connections between Azure datacenters and infrastructure on-premises or in a colocation environment. ExpressRoute connections don't route through the public internet, and they offer more reliability, faster speed, and lower latency than typical internet connections.

/course/implementing-networking-azure-virtual-desktop-2159/avd-client-connectivity/#13

Which hybrid connection option to Azure Virtual Desktop offers the highest bandwidth and best performance?

✕
RDP Shortpath

✓
Azure ExpressRoute

✕
Site-to-Site VPN

✕
Point-to-Site VPN

Explanation

The hybrid option breaks down further into these following options. First is an Azure ExpressRoute. This is a private direct connection between your company, the provider of your choice, and Microsoft. This is the highest-bandwidth and best-performance solution you can have, but it is also the highest-cost.

/course/implementing-networking-azure-virtual-desktop-2159/avd-client-connectivity/#14

Which hybrid connection option in Azure Virtual Desktop allows you to connect to your existing corporate resources on-prem or over a private connection to Azure?

✓
hybrid

✕
public Internet

✕
gateway subnet

✕
software-defined networking

Explanation

The hybrid option is where you can connect to your existing corporate resources on-prem or over a private connection to Azure.

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