



# AZ-720<sup>Q&As</sup>

Troubleshooting Microsoft Azure Connectivity

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**QUESTION 1****HOTSPOT**

A company deploys an Azure Firewall. The company reports the following log entry:

```
{
  "category": "AzureFirewallApplicationRule",
  "time": "2022-02-07T19:49:00.0Z",
  "resourceId": "-",
  "operationName": "AzureFirewallApplicationRuleLog",
  "properties": {
    "msg": "HTTPS request from 10.11.2.4:53344 to www.bing.com:443.
    Action: Deny. No rule matched. Proceeding with default action. Web Category: SearchEnginesAndPortals"
  }
}
```

For each of the following questions, select Yes or No.

Hot Area:

Questions	Yes	No
Is the rule blocking entertainment sites?	<input type="radio"/>	<input type="radio"/>
Is the log generated by a network rule?	<input type="radio"/>	<input type="radio"/>
Is the log generated by Azure Firewall Premium?	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Questions	Yes	No
Is the rule blocking entertainment sites?	<input checked="" type="radio"/>	<input type="radio"/>
Is the log generated by a network rule?	<input checked="" type="radio"/>	<input type="radio"/>
Is the log generated by Azure Firewall Premium?	<input type="radio"/>	<input checked="" type="radio"/>

**QUESTION 2****HOTSPOT**

A company uses an Azure blob container.

The IT department has a service-level agreement (SLA) that requests on average cannot exceed 20 milliseconds.

You need to implement a log analytics query to generate the SLA report.



How should you complete the query?

Hot Area:

The screenshot shows an Azure portal query editor. The query is: `| where MetricName == " and ResourceProvider == "`. The hot area is the text `" and Average > 20`. The query is being edited with the following options:

- `AzureActivity`
- `AzureMetrics`
- `UserAccessAnalytics`
- `SuccessServerLatency`
- `Egress`
- `Availability`
- `MICROSOFT.SQL`
- `MICROSOFT.EVENTHUB`
- `MICROSOFT.STORAGE`

Correct Answer:

The screenshot shows the same Azure portal query editor as above, but with the correct answer highlighted in green. The query is: `| where MetricName == " and ResourceProvider == "`. The correct answer is `" and Average > 20`. The query is being edited with the following options:

- `AzureActivity`
- `AzureMetrics`
- `UserAccessAnalytics`
- `SuccessServerLatency`
- `Egress`
- `Availability`
- `MICROSOFT.SQL`
- `MICROSOFT.EVENTHUB`
- `MICROSOFT.STORAGE`

### QUESTION 3

#### DRAG DROP

A customer has an Azure subscription. Microsoft Defender for servers is enabled for the subscription. The customer has not configured network security groups.

The customer configures a resource group named RG1 that contains the following resources:

1.

A virtual machine named VM1.

2.

A network interface named NIC1 that is attached to VM1.



The customer grants a user named Admin1 the following permission for RG1:

Microsoft.Security/locations/jitNetworkAccessPolicies/write.

Admin1 reports that the JIT VM access pane in the Azure portal does not show any entries. When you view the same pane, VM1 appears on the Unsupported tab.

You need to ensure that Admin1 can enable just-in-time (JIT) VM access for VM1. The solution must adhere to the principle of least privilege.

Which three actions should you recommend be performed in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:



### Actions

Assign Admin1 the Contributor role for RG1.

Instruct Admin1 to associate an application security group with NIC1.

Instruct Admin1 to associate a network security group with NIC1.

Grant Admin1 the following permission for RG1:  
Microsoft.Security/locations/jitNetworkAccessPolicies/initiate/action.

Instruct Admin1 to create an application security group.

Instruct Admin1 to create a network security group.

Assign Admin1 the Owner role for RG1.

### Answer area

Correct Answer:





### Actions

Assign Admin1 the Contributor role for RG1.

Instruct Admin1 to associate an application security group with NIC1.

Instruct Admin1 to associate a network security group with NIC1.

Grant Admin1 the following permission for RG1:  
Microsoft.Security/locations/jitNetworkAccessPolicies/initiate/action.

Instruct Admin1 to create an application security group.

Instruct Admin1 to create a network security group.

Assign Admin1 the Owner role for RG1.

### Answer area

Instruct Admin1 to create an application security group.

Instruct Admin1 to associate an application security group with NIC1.

Instruct Admin1 to create a network security group.

### QUESTION 4

A company uses Azure Backup Server to back up re deployed in an availability group. The company reports that a backup operation for a database fails. The following error message displays:

Unable to configure protection.

You need to ensure that the backup operation runs successfully.



What should you do?

- A. Add a partitioned drive to the storage pool on the backup server.
- B. Add the Sysadmin role to the system account on the SQL Server instance.
- C. Run the following command on the backup server: net stop OSEngine
- D. Configure the availability group replicas to allow read and write operations on the SQL Server instance.

Correct Answer: B

To ensure that the backup operation for a database in an availability group using Azure Backup Server runs successfully, you should add the Sysadmin role to the system account on the SQL Server instance. The system account on the SQL Server instance must have the Sysadmin role to perform backup operations. So the correct answer is B. Add the Sysadmin role to the system account on the SQL Server instance. You can find more information about Azure Backup Server and its requirements in the official Microsoft documentation.

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## QUESTION 5

### HOTSPOT

A company has an Azure environment that uses one virtual network.

The company restructures the environment to use two different virtual networks. Virtual machines in one network cannot communicate with virtual machines in the other virtual network.

You need to re-establish a connection between virtual machines in the two networks.

How should you configure the networks?

Hot Area:

Configuration option	Value
DNS solution	<div><div>Azure DNS private zones</div><div>Internal DNS server</div><div>DNS public zones</div><div>App Service domains</div></div>
DNS suffix	<div><div>Hostname</div><div>Fully Qualified Domain Name</div></div>

Correct Answer:



Configuration option	Value
DNS solution	<div><div>Azure DNS private zones</div><div>Internal DNS server</div><div>DNS public zones</div><div>App Service domains</div></div>
DNS suffix	<div><div>Hostname</div><div>Fully Qualified Domain Name</div></div>

### QUESTION 6

A company has an Azure Virtual Network gateway named VNetGW1. The company enables point-to-site connectivity on VNetGW1. An administrator configures VNetGW1 for the following:

1.

OpenVPN for the tunnel type.

2.

Azure certificate for the authentication type.

Users receive a certificate mismatch error when connecting by using a VPN client.

You need to resolve the certificate mismatch error.

What should you do?

- A. Reissue the client certificate with client authentication enabled.
- B. Create a profile manually, add the server FQDN and reissue the client certificate.
- C. Reissue the client certificate with server authentication enabled.
- D. Install an IKEv2 VPN client on the user's computers.

Correct Answer: A

### QUESTION 7

A company plans to use an Azure PaaS service by using Azure Private Link service. The Azure Private Link service and





an endpoint have been configured.

The company reports that the endpoint is unable to connect to the service.

You need to resolve the connectivity issue.

What should you do?

- A. Disable the endpoint network policies.
- B. Validate the VPN device.
- C. Approve the connection state.
- D. Disable the service network policies.

Correct Answer: C

To resolve the connectivity issue, you should approve the connection state. According to 1, Azure Private Link service requires manual approval of connection requests from private endpoints by default. You can approve or reject a connection request by using PowerShell cmdlets or Azure portal.

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## QUESTION 8

You need to resolve the VM2 routing issue. What should you do?

- A. Modify the IP configuration setting of the Azure network interface resource of VM1.
- B. Add a network interface to VM1.
- C. Add a network interface to VM2.
- D. Modify the IP configuration setting of the Azure network interface resource of VM2.

Correct Answer: D

To resolve the VM2 routing issue, you should modify the IP configuration setting of the Azure network interface resource of VM2. This will ensure that VM2 can communicate with other resources in the virtual network.

Troubleshooting connectivity problems between Azure VMs involves several steps such as checking whether NIC is misconfigured, whether network traffic is blocked by NSG or UDR, whether network traffic is blocked by VM firewall, whether

VM app or service is listening on the port and whether the problem is caused by SNAT.

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## QUESTION 9

A company has an Azure tenant. The company deploys an Azure firewall named FW1 to control access from an on-premises datacenter to an Azure virtual machine named VM1.

The company troubleshoots ICMP connectivity from the on-premises datacenter to VM1. You are unable to ping VM1 from an on-premises server.



You need to determine if ICMP connectivity to VM1 is allow on FW1.

What should you do?

- A. Use the ping command targeting the IP address of VM1 and review the Infrastructure rules log of FW1.
- B. Use the ping command targeting the IP address of VM1 and review the command's response.
- C. Use the ping command targeting the IP address of VM1 and review the Network rules log of FW1.
- D. Use the ping command targeting the fully qualified domain name of VM1 and review the command's response.

Correct Answer: C

According to Microsoft, the ICMP protocol is not permitted through the Azure load balancer. To test connectivity, Microsoft recommends that you do a port ping. While Ping.exe uses ICMP, you can use other tools, such as PSping, Nmap, and telnet, to test connectivity to a specific TCP port<sup>1</sup>.

## QUESTION 10

### DRAG DROP

A company has an Azure virtual network (VNet). An administrator creates a subnet in the VNet named AzureSastionSubnet. The administrator deploys Azure Bastion to AzureBastionSubnet.

The administrator creates a default network security group named nsg-Bastion. The following error message display when the administrator attempts to assign nsg-Bastion to AzureBastionSubnet:

Network security group nsg-Bastion does not have necessary rules for Azure Bastion Subnet AzureBastionSubnet

You need to resolve the issues with the inbound security rules.

Which port or set of ports should you configure?

Select and Place:

Ports or sets of ports	Source	Port or sets of ports
443	Internet	Port or set of ports
22, 3389	GatewayManager	Port or set of ports
80	AzureLoadBalancer	Port or set of ports
5071, 8080	Virtual Network	Port or set of ports

Correct Answer:



Ports or sets of ports	Source	Port or sets of ports
<input type="text"/>	Internet	<input type="text" value="443"/>
<input type="text"/>	GatewayManager	<input type="text" value="22, 3389"/>
<input type="text"/>	AzureLoadBalancer	<input type="text" value="5071, 8080"/>
<input type="text"/>	Virtual Network	<input type="text" value="80"/>

**QUESTION 11****HOTSPOT**

A company implements Windows and Linux VMs in an Azure Virtual Network. The company plans to apply routing changes to the virtual network.

You need to determine the impact of these changes on network latency affecting applications that use TCP and UDP traffic. The solution must provide the highest level of accuracy.

Which tools should you use?

Hot Area:

Operating system	Tool
Windows	<div><div>ping</div><div>latte</div><div>tracert</div></div>
Linux	<div><div>SockPerf</div><div>nttcp</div></div>

Correct Answer:



Operating system	Tool						
Windows	<table><tr><td>ping</td><td></td></tr><tr><td>latte</td><td></td></tr><tr><td>tracert</td><td></td></tr></table>	ping		latte		tracert	
ping							
latte							
tracert							
Linux	<table><tr><td>SockPerf</td><td></td></tr><tr><td>nttcp</td><td></td></tr></table>	SockPerf		nttcp			
SockPerf							
nttcp							

## QUESTION 12

### HOTSPOT

A company named Contoso connects to Azure PaaS services using Azure Private Link. The company has a virtual network named contoso-vn in a resource group named contoso- rg.

An engineer modifies the Private Link service by using Azure CLI. They are unable to use a source IP address from a subnet named default.

You need to resolve the issue.

How should you complete the command?

Hot Area:



```
az network vnet tap
az network vnet peering
az network vnet subnet update \
  --name default \
  --resource-group contoso-rg \
  --vnet-name contoso-vn \
  --
  disable-private-link-service-network-policies
  disable-private-endpoint-network-policies
  service-endpoint-policy
  service-endpoints
true
```

Correct Answer:

```
az network vnet tap
az network vnet peering
az network vnet subnet update \
  --name default \
  --resource-group contoso-rg \
  --vnet-name contoso-vn \
  --
  disable-private-link-service-network-policies
  disable-private-endpoint-network-policies
  service-endpoint-policy
  service-endpoints
true
```

### QUESTION 13

#### HOTSPOT

A company uses Azure Active Directory (Azure AD) with Azure role-based access control (RBAC) for access to





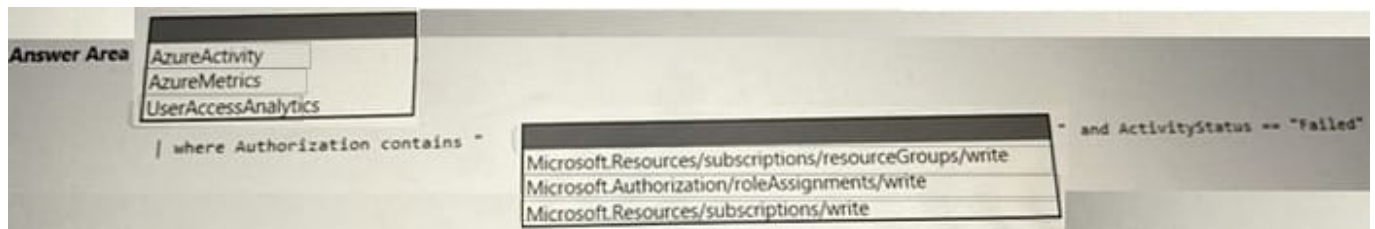
resources.

Some users report that they are unable to grant RBAC roles to other users.

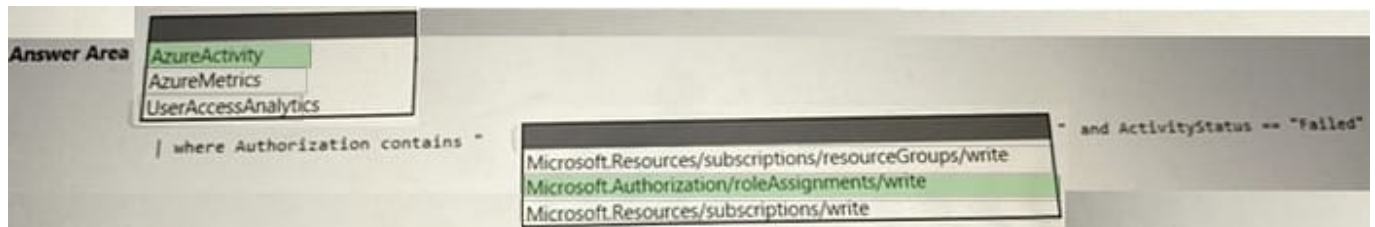
You need to troubleshoot the issue.

How should you complete the Azure Monitor query?

Hot Area:



Correct Answer:



## QUESTION 14

### HOTSPOT

A company develops an Azure Cosmos DB solution. The solution has the following components:

1.

A virtual network named VNet1 in a resource group named RG1.

2.

A subnet named Subnet1 in VNet1.

3.

A Private Link service.

4.

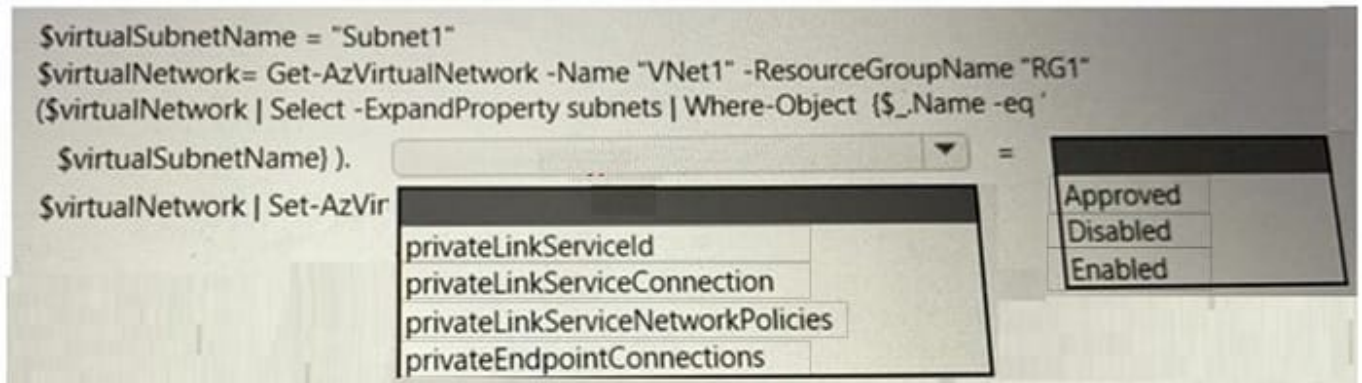
The company is unable to configure a source IP address for the Private Link service from Subnet1.

You need to resolve the issue for Subnet1.

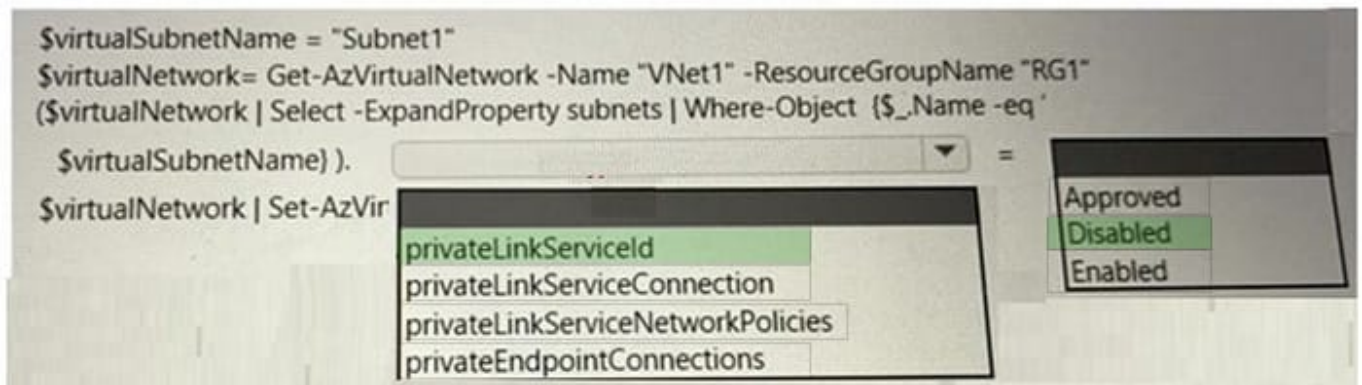
How should you complete the PowerShell commands?



Hot Area:



Correct Answer:



## QUESTION 15

A company uses Azure virtual machines (VMs) in multiple regions. The VMs have the following configuration:

Server name	Resource group	Availability set	Virtual network	Region
VM1	RG1	AVSet1	VNet1	East US
VM2	RG1	AVSet1	VNet1	East US
VM3	RG3	N/A	VNet2	East US 2

The backend pool of an internal Azure Load Balancer (ILB) named ILB1 contains VM1 and VM2. The ILB uses the Basic SKU and is in a resource group RG2.

Virtual network peering has been configured between VNet1 and VNet2.

Users report that they are unable to connect to resources on VM1 and VM2 by using ILB1 from VM3.

You need to resolve the connectivity issues.

What should you do?

A. Redeploy VM1 and VM2 into availability zones.



- B. Move ILB1 to RG1.
- C. Redeploy the ILB using the Standard SKU.
- D. Move VM1 and VM2 into RG3.

Correct Answer: C

To resolve the connectivity issues, you need to redeploy the ILB using the Standard SKU. According to 1, Basic Load Balancer does not support Global VNet Peering, which is required for cross-region communication between VMs in different VNets. Standard Load Balancer supports Global VNet Peering and can load balance traffic across regions and availability zones.

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