



AZ-102^{Q&As}

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QUESTION 1

You have a public load balancer that balancer ports 80 and 443 across three virtual machines.

You need to direct all the Remote Desktop protocol (RDP) to VM3 only.

What should you configure?

- A. an inbound NAT rule
- B. a load public balancing rule
- C. a new public load balancer for VM3
- D. a new IP configuration

Correct Answer: A

To port forward traffic to a specific port on specific VMs use an inbound network address translation (NAT) rule.

QUESTION 2

You are configuring Azure Active Directory (AD) Privileged Identity Management.

You need to provide a user named Admm1 with read access to a resource group named RG1 for only one month.

The user role must be assigned immediately.

What should you do?

- A. Assign an active role.
- B. Assign an eligible role.
- C. Assign a permanently active role.
- D. Create a custom role and a conditional access policy.

Correct Answer: B

Azure AD Privileged Identity Management introduces the concept of an eligible admin. Eligible admins should be users that need privileged access now and then, but not all-day, every day. The role is inactive until the user needs access, then they complete an activation process and become an active admin for a predetermined amount of time.

References: <https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure>

QUESTION 3

You have an Azure subscription named Subscription1. Subscription1 contains a virtual machine named VM1. You have a computer named Computer1 that runs Windows 10. Computer1 is connected to the Internet. You add a network interface named Interface1 to VM1 as shown in the exhibit (Click the Exhibit button.)



Network Interface: interface1 Effective security rules Topology

Virtual network/subnet: **VMRD-vnet/default** Public IP: **IP2** Private IP: **10.0.0.6**

Accelerated networking: **Disabled**

INBOUND PORT RULES

Network security group **VM1-nsg** (attached to network interface: **Interface1**)

Impacts 0 subnets, 2 network interfaces

Add inbound

PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINA...	ACTION
1000	default-allow-...	3389	TCP	Any	Any	Allow ...
65000	AllowVnetInBound	Any	Any	VirtualN...	VirtualN...	Allow ...
65001	AllowAzureLoadB...	Any	Any	AzureLo...	Any	Allow ...
65500	AllowAllInBound	Any	Any	Any	Any	Deny ...

OUTBOUND PORT RULES

Network security group **VM1-nsg** (attached to network interface: **Interface1**)

Impacts 0 subnets, 2 network interfaces

Add outbound

PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINA...	ACTION
65000	AllowVnetOutBo...	Any	Any	VirtualN...	VirtualN...	Allow ...
65001	AllowInternetOut...	Any	Any	Any	Internet	Allow ...
65500	DenyAllOutBound	Any	Any	Any	Any	Deny ...

From Computer1, you attempt to connect to VM1 by using Remote Desktop, but the connection fails.

You need to establish a Remote Desktop connection to VM1.

What should you do first?

- A. Start VM1.
- B. Attach a network interface.
- C. Delete the DenyAllOutBound outbound port rule.
- D. Delete the DenyAllInBound inbound port rule.

Correct Answer: A

Incorrect Answers:



B: The network interface has already been added to VM.

C: The Outbound rules are fine.

D: The inbound rules are fine. Port 3389 is used for Remote Desktop.

Note: Rules are processed in priority order, with lower numbers processed before higher numbers, because lower numbers have higher priority. Once traffic matches a rule, processing stops. As a result, any rules that exist with lower priorities (higher numbers) that have the same attributes as rules with higher priorities are not processed. References: <https://docs.microsoft.com/en-us/azure/virtual-network/security-overview>

QUESTION 4

DRAG DROP

You have an Azure subscription. The subscription includes a virtual network named VNet1. Currently, VNet1 does not contain any subnets.

You plan to create subnets on VNet1 and to use application security groups to restrict the traffic between the subnets. You need to create the application security groups and to assign them to the subnets.

Which four cmdlets should you run in sequence? To answer, move the appropriate cmdlets from the list of cmdlets to the answer area and arrange them in the correct order.

Select and Place:

Cmdlets

-
-
-
-
-

Answer Area



Correct Answer:

Cmdlets

-
-
-
-
-

Answer Area

-
-
-
-





Explanation: Step 1: New-AzureRmNetworkSecurityRuleConfig Step 2: New-AzureRmNetworkSecurityGroup Step 3: New-AzureRmVirtualNetworkSubnetConfig Step 4: New-AzureRmVirtualNetwork Example: Create a virtual network with a subnet referencing a network security group

```
New-AzureRmResourceGroup -Name TestResourceGroup -Location centralus
```

```
$rdpRule = New-AzureRmNetworkSecurityRuleConfig -Name rdp-rule -Description "Allow RDP" -Access Allow -Protocol Tcp -Direction Inbound -Priority 100 -SourceAddressPrefix Internet -SourcePortRange * -DestinationAddressPrefix * -
```

```
DestinationPortRange 3389
```

```
$networkSecurityGroup = New-AzureRmNetworkSecurityGroup -ResourceGroupName TestResourceGroup -Location centralus -Name "NSG-FrontEnd" -SecurityRules $rdpRule
```

```
$frontendSubnet = New-AzureRmVirtualNetworkSubnetConfig -Name frontendSubnet -AddressPrefix "10.0.1.0/24" -NetworkSecurityGroup $networkSecurityGroup
```

```
$backendSubnet = New-AzureRmVirtualNetworkSubnetConfig -Name backendSubnet -AddressPrefix "10.0.2.0/24" -NetworkSecurityGroup $networkSecurityGroup
```

```
New-AzureRmVirtualNetwork -Name MyVirtualNetwork -ResourceGroupName TestResourceGroup -Location centralus -AddressPrefix "10.0.0.0/16" -Subnet $frontendSubnet,$backendSubnet
```

References: <https://docs.microsoft.com/en-us/powershell/module/azurerem.network/new-azureremvirtualnetwork?view=azurermps-6.7.0>

QUESTION 5

VNet1. You add the users in the following table.

User	Role
User1	Owner
User2	Security Admin
User3	Network Contributor

Which user can perform each configuration? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:



Add a subnet to VNet1 :	<input type="checkbox"/> User1 only <input type="checkbox"/> User3 only <input type="checkbox"/> User1 and User3 only <input type="checkbox"/> User2 and User3 only <input type="checkbox"/> User1, User2, and User3 <input type="checkbox"/> User3
Assign a user the Reader role to VNet1:	<input type="checkbox"/> User1 only <input type="checkbox"/> User2 only <input type="checkbox"/> User3 only <input type="checkbox"/> User1 and User2 only <input type="checkbox"/> User2 and User3 only <input type="checkbox"/> User1, User2, and User3

Correct Answer:

Add a subnet to VNet1 :	<input type="checkbox"/> User1 only <input type="checkbox"/> User3 only <input checked="" type="checkbox"/> User1 and User3 only <input type="checkbox"/> User2 and User3 only <input type="checkbox"/> User1, User2, and User3 <input type="checkbox"/> User3
Assign a user the Reader role to VNet1:	<input type="checkbox"/> User1 only <input type="checkbox"/> User2 only <input type="checkbox"/> User3 only <input checked="" type="checkbox"/> User1 and User2 only <input type="checkbox"/> User2 and User3 only <input type="checkbox"/> User1, User2, and User3

Box 1: User1 and User3 only.

The Owner Role lets you manage everything, including access to resources.

The Network Contributor role lets you manage networks, but not access to them.

Box 2: User1 and User2 only

The Security Admin role: In Security Center only: Can view security policies, view security states, edit security policies, view alerts and recommendations, dismiss alerts and recommendations.

References:

<https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles>



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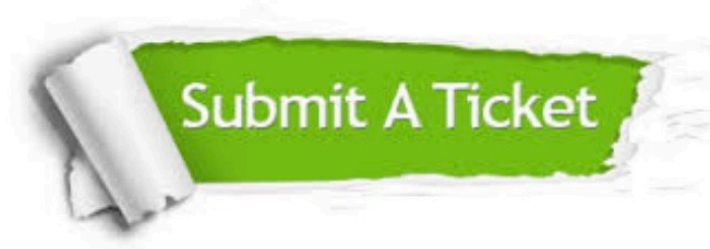
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