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Microsoft Discussions

Exam AZ-900 All Questions

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EXAM AZ-900 TOPIC 1 QUESTION 259 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 259

Topic #: 1

[All AZ-900 Questions]

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your Azure environment contains multiple Azure virtual machines.

You need to ensure that a virtual machine named VM1 is accessible from the Internet over HTTP.

Solution: You modify a network security group (NSG).

Does this meet the goal?

- A. Yes
- B. No

Show Suggested Answer

by 8 rdy2go at Feb. 4, 2021, 10:04 p.m.

Comments

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A Network Security Group (NSG) is sufficient to allow the connection to the virtual machine on port 80 (HTTP) from the Internet. Public IP is part of network configuration. We should mainly focus on the functionality of the Network security groups.

For sure, you can allow the connection to the VM through port 80 using NSG. Tutorial from Microsoft that demonstrates the same case (with public IP) and NSG used (no firewall!):

https://docs.microsoft.com/en-us/azure/virtual-network/tutorial-filter-network-traffic

upvoted 13 times

RGP4d33 3 years, 6 months ago

But you're assuming (incorrectly) there is a public IP: and there could not... so, answer must be NO (because is an incomplete solution)

upvoted 2 times

E Lecken313 3 years, 6 months ago

You are wrong. The answer IS CORRECT

https://docs.microsoft.com/en-us/learn/modules/secure-and-isolate-with-nsg-and-service-endpoints/3-exercise-network-security-groups

upvoted 2 times

□ ♣ hercu 3 years, 7 months ago

In addition, note: "Some question sets might have more than one correct solution" which means that the answer available here can be part of the correct solution. To conclude, to modify NSG is surely the required task to meet the expected solution.

upvoted 3 times

😑 🏜 rdy2go (Highly Voted 🐠 3 years, 8 months ago

Shouldn't this be "No", you need to make sure there is a public IP first.

upvoted 11 times

= sinear 3 years, 7 months ago

We can assume IP address is already granted here. This is "fundamentals", remember;) ? The question is meant to test we correctly understand what a NSG can do or not. And it can what is stated in the question

upvoted 20 times

RGP4d33 3 years, 6 months ago

But nowhere says there is a public IP ... what if is being accessed only though Bastion? We coudn't predict there is a public IP, so answer shall be NO.

upvoted 2 times

E Sorkbeard 1 year, 7 months ago

Other questions have punished making assumptions, like the ones about assuming PowerShell is already installed when running a command from a Linux machine.

upvoted 1 times

🖃 🏝 joergsi 2 years, 9 months ago

If you drill it down to this level, we need to add a NIC to VM first to have the VM reachable over the network!

upvoted 4 times

■ NoursBear Most Recent ② 2 months, 4 weeks ago

There is even an error in the description of the answer it says you can attach a NSG to a virtual network which we know it is not the case

upvoted 1 times

■ SAFM 1 year ago

Selected Answer: A

Yes, NSG is a sufficient solution.

upvoted 1 times

= & zelick 1 year, 9 months ago

Selected Answer: A

A is the answer.

A network security group (NSG) is a feature in Azure that allows you to control inbound and outbound network traffic to and from Azure resources. By modifying a NSG and configuring it to allow incoming traffic over HTTP (TCP port 80), you can

ensure that a virtual machine named VM1 is accessible from the Internet over HTTP.

You can do this by creating a new Inbound security rule in the NSG that is associated with the virtual network interface of the VM1, specifying the source as "Internet" and destination as the IP address of the VM1.

This solution meets the goal because by allowing incoming traffic over HTTP, you ensure that VM1 is accessible from the Internet using HTTP protocol.

upvoted 1 times

■ AshenOne_31 2 years, 8 months ago

Selected Answer: A

A makes sense

upvoted 2 times

akp1000 2 years, 9 months ago

Selected Answer: A

Yes as the NSG allows you to specify the port 80

upvoted 2 times

■ mufflon 2 years, 10 months ago

Selected Answer: B

https://docs.microsoft.com/en-us/azure/azure-vmware/enable-public-internet-access

upvoted 1 times

😑 🏜 mufflon 2 years, 10 months ago

changing my mind after reading

it works, answer is yes

https://docs.microsoft.com/en-us/azure/virtual-network/ip-services/associate-public-ip-address-vm

Before you can connect to the public IP address from the internet, ensure that you have the necessary ports open in any network security group that you might have associated to the network interface,

upvoted 1 times

🖃 🏜 mufflon 2 years, 10 months ago

Answer should be NO.

https://docs.microsoft.com/en-us/azure/virtual-network/tutorial-filter-network-traffic

Enable public internet for Azure VMware Solution workloads

https://docs.microsoft.com/en-us/azure/azure-vmware/enable-public-internet-access

upvoted 1 times

🗆 🏜 mufflon 2 years, 10 months ago

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upvoted 3 times

🖃 🏜 mufflon 2 years, 10 months ago

https://docs.microsoft.com/en-us/azure/virtual-network/tutorial-filter-network-traffic

upvoted 1 times

😑 📤 Harry28731 2 years, 11 months ago

You can attach a network security group to a virtual network and/or individual subnets within the virtual network.

No. You can't attach a NSG to a Vnet, but only to subnets within the Vnets or NIC. Please update the answer as its misleading.

upvoted 1 times

☐ ♣ MGegruis 3 years, 3 months ago

It Should be No, as NGS is to filter traffic in-between the Azure VM & Firewall is for traffic from/to internet.

upvoted 1 times

projectkamote 3 years, 3 months ago

NSG or firewall can do this. Since, NSD is present from the options . I chose NSG.

upvoted 1 times

🖃 🏜 mauchi 3 years, 4 months ago

inducting years, 4 months ago

The statement is very vague... but generally yes, modifying NSG in order to allow that traffic would be correct

upvoted 3 times

☐ ♣ Tintin_06 3 years, 4 months ago

why not modifying ASG instead?

"Your Azure environment contains multiple Azure virtual machines."

NSG:

Rules are applied to all resources in the associated subnet.

ASG:

Rules are applied to all ASGs in the same virtual network.

Application security groups

Application security groups enable you to configure network security as a natural extension of an application's structure, allowing you to group virtual machines and define network security policies based on those groups. You can reuse your security policy at scale without manual maintenance of explicit IP addresses. To learn more, see Application security groups.

upvoted 1 times

□ 🏜 Franco11 3 years, 5 months ago

Not Enough, U need to make sure there are an allow rule on the FIREWALL

upvoted 1 times

🖯 🚨 Gerardo1971 3 years, 5 months ago

Correct answer

upvoted 1 times

E A TecKen313 3 years, 6 months ago

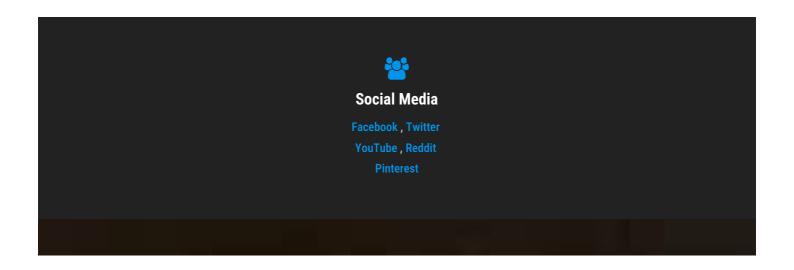
The answer is correct.

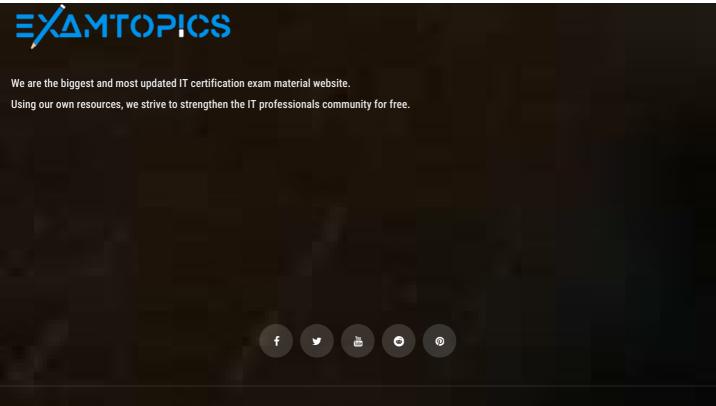
https://docs.microsoft.com/en-us/learn/modules/secure-and-isolate-with-nsg-and-service-endpoints/3-exercise-network-security-groups

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