



- Expert Verified, Online, Free.

MENU



Microsoft Discussions



Exam AZ-900 All Questions

View all questions & answers for the AZ-900 exam

Go to Exam

EXAM AZ-900 TOPIC 1 QUESTION 252 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 252

Topic #: 1

[\[All AZ-900 Questions\]](#)

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
You can associate a network security group (NSG) to a virtual network subnet.	<input type="radio"/>	<input type="radio"/>
You can associate a network security group (NSG) to a virtual network.	<input type="radio"/>	<input type="radio"/>
You can associate a network security group (NSG) to a network interface.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer

by [AdyArora](#) at March 12, 2021, midnight

Comments

Comments

Type your comment...

Submit

  **hercu**  3 years, 7 months ago

Box 2 is Correct! - No!

All of you guys saying that a Network Security Group (NSG) can be associated to a virtual network should be banned on taking this exam as you just misguide others. Please make some research before you decide to leave some worthless comment.

"You can associate zero, or one, network security group to each virtual network subnet and network interface in a virtual machine. The same network security group can be associated to as many subnets and network interfaces as you choose."

References: <https://docs.microsoft.com/en-us/azure/virtual-network/network-security-group-how-it-works>

Note: It clearly says it must be either a subnet (not a virtual network) or a NIC.

   upvoted 182 times

  **ricerocket** 3 years, 5 months ago

read here and answer from #140, nsg can be attached to virtual network.

<https://docs.microsoft.com/en-us/azure/virtual-network/network-security-groups-overview>

   upvoted 7 times

  **[Removed]** 3 years, 4 months ago

The second option is NO

"You can associate zero, or one, network security group to each virtual network subnet and network interface in a virtual machine. The same network security group can be associated to as many subnets and network interfaces as you choose."

Source: <https://docs.microsoft.com/en-us/azure/virtual-network/network-security-group-how-it-works>

   upvoted 4 times

  **[Removed]** 2 years, 7 months ago

Thank you for posting this. It appears that yes you can filter traffic in/out of VNET but via subnet and NIC level with NSG. If you look at the source posted by @mentedis it states how it all works. The NSG is configured at subnet and NIC level.

   upvoted 1 times

  **[Removed]** 2 years, 7 months ago

Furthermore, I took the AWS exam which is similar concepts, and over there it is the same... you can create Security Groups (instance level) and NACL (subnet level) in a VPC. VPC is their version of VNET. both Security Groups and NACL act as firewalls much like NSG. So the 2nd point is NO. You cannot attach an NSG to VNET but you can protect the VNET via NSG by attaching it to NIC or Subnet.

   upvoted 1 times

  **TexTheDog** 3 years, 5 months ago

You're absolutely incorrect.

it is YES YES YES

NSG can be attached to virtual network.

<https://docs.microsoft.com/en-us/azure/virtual-network/network-security-groups-overview>

   upvoted 10 times

  **Saravana12g** 3 years, 4 months ago

Create a NSG in Azure Portal and you can see that you can attach it to only - Subnet and NIC. There's no VNET present in the Blade.

   upvoted 15 times

  **rajkfx1** 3 years, 2 months ago

I just tried, when we click on subnet and associate NSG, there we can see both Virtual Network and subnet. so the answer should be YYY

   upvoted 9 times

  **kucho** 3 years ago

<https://docs.microsoft.com/en-us/azure/virtual-network/manage-network-security-group>

Associate or dissociate a network security group to or from a subnet or network interface
To associate a network security group to, or dissociate a network security group from a network interface, see Associate a network security group to, or dissociate a network security group from a network interface. To associate a network security group to, or dissociate a network security group from a subnet, see Change subnet settings.

the doc only mention you can attach the nsg to a network interface or subnet.

   upvoted 4 times

[Load full discussion...](#)

  **sandeepck** 3 years, 3 months ago

@hercu is correct : YES, NO, YES

   upvoted 9 times

  **dnscloud02** 1 year, 8 months ago


Azure virtual networks deployed to the same Azure region or subscription are not connected by default. You have to configure virtual network peering to allow communication between different virtual networks. Virtual networks deployed to the same resource group must have unique names.

   upvoted 1 times

  **theManFromRoom5** 2 years, 7 months ago

Haha "All of you guys saying that a Network Security Group (NSG) can be associated to a virtual network should be banned on taking this exam". Great approach, ban everyone who gets a question wrong

   upvoted 24 times

  **[Removed]**  3 years, 7 months ago

should be all Yes. You can use an Azure network security group to filter network traffic to and from Azure resources in an Azure virtual network. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources. For each rule, you can specify source and destination, port, and protocol.

   upvoted 16 times

  **PN60**  18 hours ago

This seems to be the best forum to confuse the heck out of a new learner! All of you reference the same link to say the other person is wrong! Is there no moderator that can tell us newbies what is correct and why? Obviously cannot trust the answers published, because same questions have been published with different answers in this guide!

   upvoted 1 times

  **NoursBear** 3 weeks, 6 days ago

From Microsoft Community

[https://learn.microsoft.com/en-us/answers/questions/1160561/azure-network-security-group-\(nsg\)-can-be-attached#:~:text=I%20have%20provided%20the%20answers,interface%20in%20a%20virtual%20machine](https://learn.microsoft.com/en-us/answers/questions/1160561/azure-network-security-group-(nsg)-can-be-attached#:~:text=I%20have%20provided%20the%20answers,interface%20in%20a%20virtual%20machine)
Q2 is no

   upvoted 1 times

  **e3ddceb** 3 months, 1 week ago

True for all.


1. You can associate a Network Security Group (NSG) to a virtual network subnet.
2. You can associate a Network Security Group (NSG) to a virtual network.
3. You can associate a Network Security Group (NSG) to a network interface.

These associations allow you to control inbound and outbound traffic to these resources.

   upvoted 1 times

  **wilberrodriguez** 4 months ago

2 True! You can indeed associate a Network Security Group (NSG) with a virtual network in Azure. An NSG acts as a firewall, allowing or denying traffic to and from resources within the virtual network based on rules you define. These rules can control inbound and outbound traffic at the subnet or individual resource level. Keep in mind that associating an NSG with a virtual network helps enhance security by filtering network traffic.

   upvoted 1 times

  **varinder82** 4 months, 2 weeks ago

yny answer

   upvoted 1 times

  **akepati88** 5 months, 3 weeks ago

Answer is Y-Y-Y

Please check reference link: [https://learn.microsoft.com/en-us/answers/questions/1160561/azure-network-security-group-\(nsg\)-can-be-attached](https://learn.microsoft.com/en-us/answers/questions/1160561/azure-network-security-group-(nsg)-can-be-attached)

   upvoted 2 times

upvoted 2 times

Saranpriya 9 months, 2 weeks ago

ANS: Y Y Y

Yes, you can associate a Network Security Group (NSG) to a Virtual Network (VNet) in Azure. Here are the steps to do it:

Create an NSG if you haven't already1.

Open the NSG and select "Subnets" from the left navigation2.

Click on the "Associate" button2.

A new panel will open on the right side2.

On the new panel, select the virtual network and the subnet inside that network that you want to associate the NSG to2.

Please note that you can associate zero, or one, network security group to each virtual network subnet and network interface in a virtual machine3. The same network security group can be associated with as many subnets and network interface.

upvoted 2 times

Wablo 1 year ago

Boz 2 is No-- see below <https://learn.microsoft.com/en-us/azure/virtual-network/network-security-group-how-it-works>

upvoted 1 times

SAFM 1 year ago

YNY.

<https://learn.microsoft.com/en-us/azure/virtual-network/network-security-group-how-it-works>

"You can associate zero, or one, network security group to each virtual network subnet and network interface in a virtual machine. The same network security group can be associated to as many subnets and network interfaces as you choose."

upvoted 1 times

Fabian2222 1 year, 2 months ago

Based on ChatGPT:

he Azure Native Virtual Network (VNet) does not support directly associating Network Security Groups (NSGs) with the entire VNet. However, you can associate NSGs with individual subnets within the VNet to control network traffic at the subnet level.

This way, you can effectively apply NSGs to a Virtual Network indirectly by configuring NSGs for its subnets.

upvoted 1 times

speedyweedy 1 year, 5 months ago

correct answer is YNY

Network Security Group (NSG) in Azure will block all network traffic by default.

When you create a new NSG, there are no inbound or outbound security rules defined. This means that all inbound and outbound traffic to/from resources associated with the NSG is blocked.

To allow traffic to flow, you need to create inbound and/or outbound security rules explicitly in the NSG. These rules define the type of traffic (such as TCP or UDP), the source and destination IP addresses and ports, and the action (allow or deny).

It's important to note that NSGs are applied to subnets or network interfaces, not individual virtual machines. This means that all virtual machines associated with a subnet or network interface will be subject to the same NSG rules.

Also, keep in mind that NSGs are stateful, which means that if you create an inbound security rule to allow traffic, the return traffic will be allowed automatically. You don't need to create a separate outbound security rule to allow the return traffic.

upvoted 1 times

b_script 1 year, 6 months ago

Yes, Yes, Yes from chatGPT

upvoted 1 times

b_script 1 year, 7 months ago

Yes, Yes, Yes

upvoted 1 times

Bharathpace 1 year, 7 months ago

<https://learn.microsoft.com/en-us/azure/virtual-network/media/network-security-group-how-it-works/network-security-group-interaction.png> No is correct for 2nd option

upvoted 1 times

Sean_n3 1 year, 7 months ago

checked with ChatGPT, should be YES YES YES

upvoted 1 times

[Load full discussion...](#)

Start Learning for free



Social Media

[Facebook](#) , [Twitter](#)

[YouTube](#) , [Reddit](#)

[Pinterest](#)



We are the biggest and most updated IT certification exam material website.

Using our own resources, we strive to strengthen the IT professionals community for free.



© 2024 ExamTopics

ExamTopics doesn't offer Real Microsoft Exam Questions. ExamTopics doesn't offer Real Amazon Exam Questions. ExamTopics Materials do not contain actual questions and answers from Cisco's Certification Exams.

CFA Institute does not endorse, promote or warrant the accuracy or quality of ExamTopics. CFA® and Chartered Financial Analyst® are registered trademarks owned by CFA Institute.