

Microsoft Discussions



Exam AZ-900 All Questions

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EXAM AZ-900 TOPIC 1 QUESTION 242 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 242

Topic #: 1

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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
A network security group (NSG) will block all network traffic by default.	<input type="radio"/>	<input type="radio"/>
Application security groups can be specified as part of network security group (NSG) rules.	<input type="radio"/>	<input type="radio"/>
Network security groups (NSGs) always include inbound security rules and outbound security rules.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer

by [kamal_004](#) at Oct. 14, 2022, 3:09 p.m.

Comments

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  **kamal_004** Highly Voted  2 years ago

A network security group (NSG) will block all network traffic by default >> A network security group does not encrypt network traffic. It works in a similar way to a firewall in that it is used to block or allow traffic based on source/destination IP address, source/destination ports and protocol

Applications security group can be specified as part of network security group (NSG) rules >> In a NSG you can have up to 1000 NSG rules. In max 100 of this 1000 NSG rules you can specify an Application Security Group as a source or destination

Network security groups (NSGs) always include inbound security rules and outbound security rules >> 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.


Answer: No Yes Yes

   upvoted 17 times

  **ArunPrem** 2 years ago

As per your above explanation and the question1 being asked. it should be Y,Y,Y

   upvoted 3 times

  **TomGa** 1 year, 10 months ago

Key words 'by default' it does not, thus Answer = No

   upvoted 4 times

  **chael88** Highly Voted  1 year, 10 months ago

Q1.NO.

By default, all inbound traffic is blocked and all outbound traffic is allowed. So the answer is NO since not all traffic is blocked.

   upvoted 7 times

  **Shruti2024** Most Recent  2 months ago

The first question does not specify if it's inbound or outbound traffic. In only blocks all inbound traffic by default, so I think it's a no

   upvoted 2 times

  **gfalconx** 11 months, 1 week ago

q1 is No full answer is NYY

   upvoted 1 times

  **phidelics** 1 year, 3 months ago

keyword: by default!!! its NYY

   upvoted 3 times

  **speedyweedy** 1 year, 5 months ago

Answer is YYY

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 2 times

  **speedyweedy** 1 year, 5 months ago

Answer is YYY

NSG does block all traffic by default



   upvoted 2 times

  **motekim** 1 year, 8 months ago

Take my test tomorrow. If i get this question, I'm going to go with NO:

By default, a Network Security Group (NSG) in Azure does not block all network traffic. It allows all inbound and outbound traffic until rules are added explicitly to block or allow traffic. When a new NSG is created, it has no rules, and therefore no traffic is blocked. It's up to the user to add rules to the NSG to allow or deny traffic.

   upvoted 2 times

  **zellick** 1 year, 9 months ago

YYY is the answer.

<https://learn.microsoft.com/en-us/azure/virtual-network/network-security-groups-overview#default-security-rules>

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

   upvoted 3 times

  **yragchan** 2 years ago

seems the answer is correct

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

   upvoted 1 times

  **Naoufal18** 2 years ago

YYY

Unless you've created a rule that allows port 80 inbound, the traffic is denied by the DenyAllInbound default security rule, and never evaluated by NSG2, since NSG2 is associated to the network interface. If NSG1 has a security rule that allows port 80, the traffic is then processed by NSG2. To allow port 80 to the virtual machine, both NSG1 and NSG2 must have a rule that allows port 80 from the internet.

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

   upvoted 2 times

  **iowaportner** 1 year, 11 months ago

The NSG will block all Internet inbound traffic by default. But it will allow other network traffic such as AllowVNetInBound.

<https://learn.microsoft.com/en-us/azure/virtual-network/network-security-groups-overview#default-security-rules>

   upvoted 7 times

  **RougePotatoe** 1 year, 9 months ago

Literally so many people that wouldn't even look at azure portal rofl.

   upvoted 1 times

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