

Microsoft Discussions



**Exam AZ-900 All Questions**

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EXAM AZ-900 TOPIC 1 QUESTION 246 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 246

Topic #: 1

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HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

**Answer Area**

Azure distributed denial of service (DDoS) protection is an example of protection that is implemented at the

	▼
application layer	
compute layer	
networking layer	
perimeter layer	

Show Suggested Answer

by [nitrogene](#) at Aug. 30, 2022, 9:37 p.m.

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  **Charles2022** Highly Voted  2 years ago

Perimeter layer. Please someone change the answer.

   upvoted 51 times

  **femzy** 1 year, 11 months ago

should be layer and 3 or/and 4. For protection at layer 7, you will need a WAF.  
Networking layer for me.

   upvoted 5 times

  **Yiii** 1 year, 11 months ago

DDoS can protect layer 3 and/or 4 with WAF and layer 7 offered by WAF, 'with WAF' is the condition for DDoS Protection on these layers. With perimeter layer protection, there is no such condition required, the DDoS be classed as one feature in the same category as perimeter layer, so for just answer this question, perimeter layer is correct.

<https://learn.microsoft.com/en-us/training/modules/secure-network-connectivity-azure/2-what-is-defense-in-depth>

   upvoted 5 times

  **Hash\_\_** 1 year, 1 month ago




Question is not about OSI model, but the azure layers. Confusing, I know.

   upvoted 2 times

  **TonyghostR05** Highly Voted  2 years ago

Perimeter layer  
Same question before this

   upvoted 14 times

  **zswap** Most Recent  1 week, 3 days ago

As per <https://learn.microsoft.com/en-us/azure/ddos-protection/ddos-protection-overview>, Azure Distributed Denial of Service (DDoS) protection operates at the network layer (Layer 3 and Layer 4). So, Network layer is correct answer

   upvoted 1 times

  **126e81f** 2 months ago

If you have to choose one, Azure DDoS Protection is best categorized as a perimeter security feature.

Here's why:

Perimeter Layer Protection: Azure DDoS Protection is designed to defend against large-scale network and transport layer attacks (Layer 3 and Layer 4), which are often aimed at overwhelming network resources. It is part of the broader set of security measures intended to protect the perimeter of your network infrastructure, effectively mitigating threats before they impact your applications or services.

Although Azure DDoS Protection operates at the network and transport layers, it is generally considered a perimeter security measure because it helps protect the boundary of your network from external threats.

   upvoted 2 times

  **126e81f** 2 months, 1 week ago

The physical security layer is the first line of defense to protect computing hardware in the datacenter.

The identity and access layer controls access to infrastructure and change control.

The perimeter layer uses distributed denial of service (DDoS) protection to filter large-scale attacks before they can cause a denial of service for users.

The network layer limits communication between resources through segmentation and access controls.

The compute layer secures access to virtual machines.

The application layer helps ensure that applications are secure and free of security vulnerabilities.

The data layer controls access to business and customer data that you need to protect.

   upvoted 2 times

  **chaabouchihakim** 3 months ago

même Question n° : 232 , couche 3

   upvoted 1 times



  **zure90** 4 months, 3 weeks ago

"Azure" DDoS Protection protects at layer 3 and layer 4 network layers. For web applications protection at layer 7, you need to add protection at the application layer using a WAF offering.

Answer: Networking Layer

<https://learn.microsoft.com/en-us/azure/ddos-protection/ddos-protection-overview>

   upvoted 1 times

  **NadirM\_18** 9 months ago

As per Kevin Brown: Perimeter

- Use distributed denial of service (DDoS) protection to filter large-scale attacks before they can cause a denial of service for end users.

- Use perimeter firewalls to identify and alert on malicious attacks against your network.



   upvoted 1 times

  **Sinfulonsunday** 11 months, 1 week ago

Azure distributed denial of service (DDoS) protection is an example of protection that is implemented at the perimeter layer.

Explanation: Based on the context, the perimeter layer refers to the security measures that are implemented at the outermost boundaries of the network, which is where Azure DDoS protection operates. It is designed to protect the network perimeter from large-scale attacks and filter malicious traffic before it affects system availability. This aligns with the general security principle of creating a defensive barrier at the network's edge.

   upvoted 1 times

  **kyle942** 1 year ago

Perimeter

The network perimeter protects from network-based attacks against your resources. Identifying these attacks, eliminating their impact, and alerting you when they happen are important ways to keep your network secure.

At this layer, it's important to:

Use DDoS protection to filter large-scale attacks before they can affect the availability of a system for users.

Use perimeter firewalls to identify and alert on malicious attacks against your network.

   upvoted 1 times

  **SAFM** 1 year ago

The given answer is wrong!

The correct answer should be "Perimeter layer" because the reference here is to the Defense-in-depth model and not to the OSI model. See the link below under section "Perimeter".

<https://learn.microsoft.com/en-us/training/modules/describe-azure-identity-access-security/8-describe-defense-depth>

   upvoted 2 times

  **VenomX51** 1 year, 2 months ago

This is a question about Defense in Depth and not The OSI model. In a Defense in depth context DDOS is applied at the Perimeter layer within Azure. The comments about layer 3 and Network are crossing over into where DDoS would sit within the OSI model, which has a "network" layer (1=physical, 2=datalink, 3=network, 4=transport etc). This is a more general network question that you'd expect on a network security exam perhaps, but is not specific to Azure implementation of DDoS

   upvoted 3 times

  **VenomX51** 1 year, 2 months ago

Just to add, all the 4 answers are stages in the Defense in depth model too, which is how we know the context in which they are asking

   upvoted 1 times

  **MANANDAVEY** 1 year, 3 months ago


please do not get confused it is "Perimeter" Layer

   upvoted 2 times

  **zimzimzima** 1 year, 4 months ago

Same question and answer as before: Perimeter layer, not network layer.

   upvoted 2 times

  **Chik123** 1 year, 6 months ago

Saving everyones time from MS - Question # 10 (Multiple Choice)

Which defense in depth layer uses distributed denial of service (DDoS) protection?

- A. Physical security layer
- B. Perimeter layer
- C. Network layer
- D. Application layer

Item Description

Answer: B

Objective: 2.4 Describe Azure identity, access, and security

Rationale: The perimeter layer uses distributed denial of service (DDoS) protection to filter large-scale attacks before they can cause a denial of service for users.

URL: <https://learn.microsoft.com/training/modules/secure-network-connectivity-azure/2-what-is-defense-in-depth>

   upvoted 4 times

  **tej00000001** 1 year, 6 months ago

ohhh f im going to get one anwer wrong but its fine. damm micosoft you doing it dirty

   upvoted 2 times

  **ziggy1117** 1 year, 7 months ago

DDOS is at the Perimeter Layer: <https://learn.microsoft.com/en-us/training/modules/secure-network-connectivity-azure/2-what-is-defense-in-depth>

what-is-defense

   upvoted 1 times

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