

EXAMTOPICS

- 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 157 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 157

Topic #: 1

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

At which OSI layer does ExpressRoute operate?

- A. Layer 2
- B. Layer 3
- C. Layer 5
- D. Layer 7

Show Suggested Answer

by [KakTak](#) at Aug. 31, 2022, 8:58 a.m.

Comments

Type your comment...

Submit

[Vijayshankar001](#) [Highly Voted](#) 2 years ago

Selected Answer: B

Layer 3

<https://learn.microsoft.com/en-us/azure/expressroute/expressroute-introduction#key-benefits>

<https://learn.microsoft.com/en-us/azure/expressroute/expressroute-introduction#key-benefits>

Layer 3 connectivity between your on-premises network and the Microsoft Cloud through a connectivity provider. Connectivity can be from an any-to-any (IPVPN) network, a point-to-point Ethernet connection, or through a virtual cross-connection via an Ethernet exchange.

   upvoted 38 times

  **mlop3s** 1 year, 6 months ago

Both are right. 2 and 3. MS writes: If you're using a layer 3 connection, the provider should configure and manage routing for you. You provide the information necessary to enable the provider to implement the appropriate routes.

<https://learn.microsoft.com/en-us/azure/expressroute/expressroute-introduction>




It depends on your provider. You can get a layer 2 or 3.

   upvoted 5 times

  **mlop3s** 1 year, 6 months ago

I would go for 3.

   upvoted 3 times

  **BrkyUlukn** Highly Voted  1 year, 9 months ago

Layer 3 is wrong.. I had today my exam for AZ900 and I had this question.

I had selected layer3 and that was wrong. It had to be Layer2

   upvoted 36 times

  **Vilanelle** 1 year ago

You are a troll. Stop giving the wrong answers.

   upvoted 10 times

  **ogmandalorian** 1 year, 6 months ago

You don't see what you get wrong when you finish a Microsoft exam so how do you know? Stop CAPPING.

   upvoted 33 times

  **speedyweedy** 1 year, 5 months ago

it is layer 2

   upvoted 3 times

  **DJP_007** 1 year, 1 month ago

how can this WRONG answer be upvoted ??-- you must have failed more than this question if you couldn't get it correct. this is from MS site :>

ExpressRoute operates in layer 3. Threats in the application layer can be prevented by using a network security appliance that restricts traffic to legitimate resources.

   upvoted 9 times

  **NTGuru** Most Recent  1 month ago

ExpressRoute offers different types of connections to suit various needs:

Layer 2 (L2) or Layer 3 (L3) Connectivity: ExpressRoute circuits can be configured either as a Layer 2 or Layer 3 connection, depending on your requirements and provider capabilities.

   upvoted 1 times

  **thedoc009** 1 month, 3 weeks ago

Selected Answer: B

Layer 3.

<https://learn.microsoft.com/en-us/azure/expressroute/expressroute-introduction>

   upvoted 1 times

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

Azure ExpressRoute primarily operates at Layer 3 of the OSI model. This service allows you to create private connections between your on-premises network and Microsoft Azure data centers, and it typically uses BGP (Border Gateway Protocol) for routing between the networks. BGP operates at Layer 3, dealing with IP address routing and making sure data is correctly routed between the two networks.

While ExpressRoute itself is a Layer 3 service, it can be used in conjunction with Layer 2 technologies provided by the network providers to establish the initial connection. However, the core routing and network communication for ExpressRoute is managed at Layer 3

   upvoted 1 times

  **Genichiro** 2 months, 2 weeks ago

Layer 3.

   upvoted 1 times

  **SopraSteriaCloudUp** 4 months, 3 weeks ago

Selected Answer: B

ExpressRoute operates at Layer 3 in the OSI model. It provides address-level connectivity between your on-premises network and the Microsoft cloud through connectivity partners.

   upvoted 1 times

  **Steve5555** 4 months, 3 weeks ago

On exam 27/05/2024


   upvoted 2 times

  **Consultant1995** 4 months, 3 weeks ago

Selected Answer: B

You can configure security options for your Azure connection in different ways, depending on your security concerns and compliance needs. ExpressRoute operates in layer 3. Threats in the application layer can be prevented by using a network security appliance that restricts traffic to legitimate resources.

   upvoted 1 times

  **kay1101** 5 months, 4 weeks ago

Selected Answer: B

ExpressRoute operates in layer 3. Threats in the application layer can be prevented by using a network security appliance that restricts traffic to legitimate resources.

<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/expressroute>

   upvoted 1 times

  **Yomzie** 7 months ago

Azure ExpressRoute operates primarily at Layer 3 (the Network Layer) of the OSI (Open Systems Interconnection) model.

ExpressRoute provides private connectivity between on-premises networks and Azure datacenters, bypassing the public internet. It establishes a dedicated connection, typically through a telecommunications provider or colocation facility, allowing for more reliable and secure communication between on-premises infrastructure and Azure resources.

At Layer 3, ExpressRoute establishes IP connectivity between the on-premises network and Azure, enabling the routing of IP packets between the two environments over the dedicated private connection. This allows organizations to extend their networks seamlessly into Azure while maintaining control over routing and network policies.

SOURCE:: <https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/expressroute>

   upvoted 1 times

  **Kittu1102** 7 months, 1 week ago

Selected Answer: B

layer 3

   upvoted 1 times

  **pompali42** 8 months ago

you cant chose both of them so i go for layer 2 gg

   upvoted 1 times

  **viki30vivek** 8 months ago

ExpressRoute operates in layer 3.

Ref: <https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/expressroute>

Look for answer under heading "Security"

   upvoted 2 times

  **ArcRiseGen** 9 months ago

<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/expressroute>

"ExpressRoute operates in layer 3. Threats in the application layer can be prevented by using a network security appliance that restricts traffic to legitimate resources."

   upvoted 2 times

  **TEKGUY_D** 9 months ago

Layer 3 connectivity between your on-premises network and the Microsoft Cloud through a connectivity provider. Connectivity can be from an any-to-any (IPVPN) network, a point-to-point Ethernet connection, or through a virtual cross-connection via an Ethernet exchange.

   upvoted 1 times

  **LaReis** 9 months, 2 weeks ago

O ExpressRoute funciona na camada 3. Ameaças na camada de aplicativo podem ser evitadas por meio de um dispositivo de segurança de rede que restringe o tráfego a recursos legítimos. Fonte: <https://learn.microsoft.com/pt-br/azure/architecture/reference-architectures/hybrid-networking/expressroute>

   upvoted 1 times

[Load full discussion](#)

[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.

