

Microsoft Discussions



Exam AZ-900 All Questions

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EXAM AZ-900 TOPIC 1 QUESTION 96 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 96

Topic #: 1

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You need to identify the type of failure for which an Azure Availability Zone can be used to protect access to Azure services. What should you identify?

- A. a physical server failure
- B. an Azure region failure
- C. a storage failure
- D. an Azure data center failure

Show Suggested Answer

by [RSMCT2011](#) at Jan. 8, 2020, 5:27 a.m.

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[ultraOriginalVillain](#) **Highly Voted** 4 years, 6 months ago

It seems that in these questions designed by Microsoft it always follows this thinking pattern:

Regions > Zones > Data Centre.



When you see a question like this with the keyword Zone AUTOMATICALLY you think protecting or managing data centers!

   upvoted 232 times

  **Rakeshpro** 2 years, 10 months ago

Very good explanation

   upvoted 2 times

  **AVP_Riga** 3 years, 4 months ago

Thank you for clear explanation.

   upvoted 2 times

  **cuentaalternajsr** 2 years, 4 months ago

No puede estar mejor explicado.



   upvoted 3 times

  **Harry28731** 2 years, 10 months ago

You can even add Availability Set for VMs

Regions > Zones > Datacenters > Availability Sets (Rack)

   upvoted 46 times

  **RSMCT2011** Highly Voted  4 years, 9 months ago

Availability Zones is a high-availability offering that protects your applications and data from datacenter failures.

<https://docs.microsoft.com/en-us/azure/availability-zones/az-overview>

   upvoted 49 times

  **CoffeeSwords** Most Recent  3 weeks, 5 days ago

Don't data centers have physical servers and storage within them? This question is poorly worded. 3/4 answers are technically correct.

   upvoted 1 times

  **shahrzadkhb** 3 months, 1 week ago

Selected Answer: D

I agree with the answer.

   upvoted 1 times

  **VaibhavGawali** 4 months, 1 week ago

Selected Answer: D

I agree. The correct answer is D - an Azure data center failure.

Azure Availability Zones are designed to protect applications and data from datacenter failures within an Azure region. Each Availability Zone is a unique physical location within an Azure region, and they are designed to ensure high availability by being isolated from each other to prevent single points of failure.

   upvoted 1 times

  **Kittu1102** 7 months, 1 week ago

Selected Answer: D

It is right

   upvoted 1 times

  **buiducvu** 1 year, 10 months ago

Selected Answer: D

D. an Azure data center failure

   upvoted 1 times

  **EliasYahya** 1 year, 10 months ago

Region > Zones > Datacenter > server > storage

so, the only thing which will lead us to change from Zone to another Zone is a failure in Datacenter, "logic thinking" :)

   upvoted 1 times

  **wyabcp** 1 year, 11 months ago

Selected Answer: D

D is correct

   upvoted 1 times

  **MarMar2022** 2 years ago

Selected Answer: D

This question was on exam

   upvoted 4 times

- 🗨️ 👤 **tom112** 2 years, 2 months ago
D is correct, but using Availability Zone will protect from a physical server failure or a storage failure too - as It's replicating itself into different availability zones. So, It's A, C, D in my opinion.
👍 ↩️ 🚩 upvoted 7 times
- 🗨️ 👤 **leusa** 2 years, 2 months ago
Zone = Data Center. So the answered is correct
👍 ↩️ 🚩 upvoted 1 times
- 🗨️ 👤 **boulbi** 1 year, 11 months ago
Nope, in some specific Zones, we could have 1 or more Data Centers.
See Availability Zones section on : https://www.youtube.com/watch?v=C-nNw1mGwzE&ab_channel=AdamMarczak-AzureforEveryone
👍 ↩️ 🚩 upvoted 1 times
- 🗨️ 👤 **Pa1theAchiever** 2 years, 3 months ago
Option D
👍 ↩️ 🚩 upvoted 1 times
- 🗨️ 👤 **silviogremio** 2 years, 4 months ago
think in availability zone like a phisical data center in Azure. Each Region may have from one to three AZ. Pay attetion, MAY have, some times just one AZ per Region.
👍 ↩️ 🚩 upvoted 2 times
- 🗨️ 👤 **GetulioJr** 2 years, 8 months ago
Selected Answer: D
D is correct here.
👍 ↩️ 🚩 upvoted 1 times
- 🗨️ 👤 **EvelynAL** 2 years, 10 months ago
D. an Azure data center failure
👍 ↩️ 🚩 upvoted 1 times
- 🗨️ 👤 **morito** 2 years, 10 months ago
I find this question a bit confusing, given that Microsoft themselves state that there may be multiple availability zones within the same datacenter. For this question, Data Center and availability zone may be used interchangeably, then it makes sense to say its D
👍 ↩️ 🚩 upvoted 1 times
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