

Microsoft Discussions



Exam AZ-900 All Questions

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EXAM AZ-900 TOPIC 1 QUESTION 121 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 121

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
North America is represented by a single Azure region.	<input type="radio"/>	<input type="radio"/>
Every Azure region has multiple datacenters.	<input type="radio"/>	<input type="radio"/>
Data transfers between Azure services located in different Azure regions are always free.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer

by [Acresder](#) at Feb. 8, 2021, 8:28 a.m.

Comments

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  **hercu** Highly Voted  3 years, 7 months ago

Q1 - No, Q2 - No, Q3 - No.

Q2 Explanatiion:

"Simply put, an Azure Region is a set of Datacenters that are connected through a dedicated low-latency network. How many datacenters does a region contain. Well, we do not have a fixed number. It varies. There are regions of different sizes. A Region could be made up of just 1 datacenter or multiple datacenters. The point is, an Azure Region is a group of one or more Azure Datacenters." References: <https://www.pragimtech.com/blog/azure/azure-regions-and-paired-regions/>

   upvoted 176 times

  **Silascarter** 2 years, 6 months ago

How can a REGION have just 1 Data Center when a REGION have Multiple ZONES and ZONES are expected to have multiple DATA CENTRES.

A Region will most likely have at least 2 (Multi) Data Centers even if it doesn't have multiple Availability Zones.

1 Data Centre cannot make up a Region.

   upvoted 10 times

  **vakkil** 3 years, 3 months ago

asnwer for Q2 is Yes.

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

Region A set of datacenters deployed within a latency-defined perimeter and connected through a dedicated regional low-latency network.

   upvoted 3 times

  **kubusas** 3 years, 3 months ago

It's not about latency, it's about multiple (1 region, could have 1 datacenter)

   upvoted 6 times

  **kubusas** 3 years, 3 months ago

"Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking."

   upvoted 3 times

  **Acai** 3 years, 3 months ago

Don't see how

<https://azure.microsoft.com/en-us/global-infrastructure/geographies/#overview>

This map shows that the Azure regions with and without availability zones, some regions don't have availability zones, so they can't have multiple datacenters when the requirement for a availability zones is at min, two datacenters.

   upvoted 15 times

  **Harry28731** 2 years, 10 months ago

No, a zone can have ONE ore more DCs. So ONE is possible.

   upvoted 4 times

  **Burbulas** 3 years, 3 months ago

North America is a continent consisting multiple Azure regions. So first answer is Yes

   upvoted 7 times

  **Hoeishetmogelijk** 1 year, 9 months ago

North and South America are defined as two different continents. Just look it up!

   upvoted 1 times

  **Vergee** 2 years, 2 months ago

LOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOL

   upvoted 1 times

  **Bruno_DBA** 2 years, 5 months ago

NA a continent? OMG. Meu Jesus Cristo! o.O

   upvoted 3 times

  **unBREAKable_Fs4** 2 years, 2 months ago

You guys can't be serious. North America is a continent. A continent that consists of two countries; United States and Canada.

   upvoted 4 times

  **Hoeishetmogelijk** 1 year, 9 months ago

And Mexico

   upvoted 2 times

  **Hoeishetmogelijk** 1 year, 9 months ago

and the rest of Central America:

https://en.wikipedia.org/wiki/North_America#/media/File:Location_North_America.svg

  upvoted 1 times

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  **Dennis_SOn** 2 years, 4 months ago



Azure availability zones are physically separate locations within each Azure region and a minimum of three separate availability zones are present in all availability zone-enabled regions which means there are atleast 3 AZ in one Azure region and availability zones is/are composed of datacenter. That means, for sure there will be more than 3 data center in 1 region



   upvoted 1 times

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  **Pinscher** Highly Voted  3 years, 8 months ago

Q2 Should be No: "A region is a geographical area on the planet containing at least one, but potentially multiple datacenters that are nearby and networked together with a low-latency network".

   upvoted 32 times

  **vakkil** 3 years, 3 months ago

Do not confuse between Region and Availability zone.

Region A set of datacenters deployed within a latency-defined perimeter and connected through a dedicated regional low-latency network.

Availability Zone Unique physical locations within a region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking.

   upvoted 10 times

  **xian05** 3 years, 1 month ago

But what about alternate (other) regions?

Definition: A region that extends Azure's footprint within a data residency boundary where a recommended region also exists. Alternate regions help to optimize latency and provide a second region for disaster recovery needs.

They are not designed to support Availability Zones (although Azure conducts regular assessment of these regions to determine if they should become recommended regions).

These are designated in the Azure portal as Other.

So no support for availability zones, so could only one.

   upvoted 1 times

  **xian05** 3 years, 1 month ago



Question 84: An Azure region contains ONE or more data canters that are connected...

   upvoted 5 times

  **xian05** 3 years, 1 month ago

Data centers*

   upvoted 2 times

  **NoursBear** Most Recent  1 month, 3 weeks ago

basically the statement that every region has more than 1 DC is wrong according to all MS doc

   upvoted 1 times

  **Genichiro** 2 months, 1 week ago

NYN;

<https://azure.microsoft.com/en-us/explore/global-infrastructure/availability-zones#:~:text=What%20is%20an%20Azure%20availability,to%20delivering%20high%20availability%20applications.> See FAQ

   upvoted 1 times

upvoted 1 times

Yomzie 7 months, 1 week ago

The whole premise of moving your datacentre to the cloud, is to prevent a single-point-of-failure scenario and/or, to ensure high availability/scalability.

So, for any right-thinking person to assume that ANY Azure region would only have one AZ containing only one DC, beggars some uncommon reasoning.

The correct answers are: No - Yes - No.

upvoted 1 times

LM12 7 months, 3 weeks ago

Q2 must be NO. From MS Learn : A region is a geographical area on the planet that contains at least one, but potentially multiple datacenters that are nearby and networked together with a low-latency network. .

<https://learn.microsoft.com/en-us/training/modules/describe-core-architectural-components-of-azure/5-describe-azure-physical-infrastructure?ns-enrollment-type=learningpath&ns-enrollment-id=learn.www.azure-fundamentals-describe-azure-architecture-services>

upvoted 1 times

gfalconx 10 months, 4 weeks ago

nyn

Azure Availability Zone

Each zone is made up of one or more data centers equipped with independent power, cooling, and networking. The physical separation of Availability Zones within a region protects applications and data from datacenter failures.¹³

upvoted 1 times

alphilla 12 months ago

No, every Azure region does not have multiple data centers.

Some specialized Azure regions, such as Azure Government regions, may have only one data center. However, most Azure regions have multiple data centers, which are grouped into availability zones.

upvoted 3 times

FutureAdmin 1 year ago

This was on exam. 9/30/23

upvoted 4 times

Ierezende12 1 year ago

Q2 - NAO: Uma região é uma área geográfica do planeta que contém pelo menos um data center, mas possivelmente vários, nas proximidades e conectado a uma rede de baixa latência. <https://learn.microsoft.com/pt-br/training/modules/describe-core-architectural-components-of-azure/5-describe-azure-physical-infrastructure>

upvoted 1 times

SAFM 1 year ago

Q2 should be NO. A region of Azure can potentially (theoretically) have one datacenter only because not all regions support availability zones, and you may have a region that has no AZs and just one datacenter. It's not ideal of Microsoft and it might be not real but it CAN happen.

<https://learn.microsoft.com/en-us/answers/questions/979491/azure-regions-with-only-one-data-center>

upvoted 2 times

ShubhamRuhela 1 year, 2 months ago

No No No

upvoted 2 times

Noble_Fart 1 year, 3 months ago

I don't care what you people think. I don't care what i think. I don't care what Microsoft thinks. What does the idiot who created this question think the answer is, because that is the only perspective that matters (with regards to optimizing your score on this test)

upvoted 5 times

Andrew_S 1 year, 3 months ago

Check the correct answer to #129 (a region contains ONE or MORE datacenters connected by a low latency network) for evidence that a region can have a single datacenter.

upvoted 1 times

Andrew_S 1 year, 3 months ago

A region can indeed have a single DC, and then it will not have an AZ. So No No No

upvoted 1 times

msmt 1 year, 3 months ago

in the exam on 29jun2023

   upvoted 3 times

  **petebear55** 1 year, 4 months ago

Other questions have shown me that 2 should be NO .. i recall reading that some regions dont have any data cen tres and are used for other things so im going for NO NO NO

   upvoted 2 times

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