

## AZ 900: Exam Questions - Part 1

1

Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed. You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

**Solution:** You recommend the use of Azure Reserved Virtual Machines (VM) Instances.

Does the solution meet the goal?

Yes

No

3

Your company has virtual machines (VMs) hosted in Microsoft Azure. The VMs are located in a single Azure virtual network named VNet1.

The company has users that work remotely. The remote workers require access to the VMs on VNet1.

You need to provide access for the remote workers.

What should you do?

- A. Configure a Site-to-Site (S2S) VPN.
- B. Configure a VNet-toVNet VPN.
- C. Configure a Point-to-Site (P2S) VPN.
- D. Configure DirectAccess on a Windows Server 2012 server VM.
- E. Configure a Multi-Site VPN

2

Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed. You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

**Solution:** You recommend the use of Azure DevTest Labs.

Does the solution meet the goal?

Yes

No

4

You have been informed by your superiors of the company intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process.

You are required to make sure that during the deployment, the administrative credentials are encrypted using a suitable Azure solution.

**Solution:** You recommend the use of Azure Information Protection.

Does the solution meet the goal?

Yes

No

5

Your developers have created 10 web applications that must be host on Azure. You need to determine which Azure web tier plan to host the web apps. The web tier plan must meet the following requirements:

- 1. The web apps will use custom domains.
- 2. The web apps each require 10 GB of storage.
- 3. The web apps must each run in dedicated compute instances.
- 4. Load balancing between instances must be included.
- 5. Costs must be minimized.

Which web tier plan should you use?



7

Your developers have created a portal web app for users in the Miami branch office. The web app will be publicly accessible and used by the Miami users to retrieve customer and product information. The web app is currently running in an on-premises test environment. You plan to host the web app on Azure. You need to determine which Azure web tier plan to host the web app. The web tier plan must meet the following requirements:

- a) The website will use the miami.weyland.com URL.
- b) The website will be deployed to two instances.
- c) SSL support must be included.
- d) The website requires 12 GB of storage.
- e) Costs must be minimized.

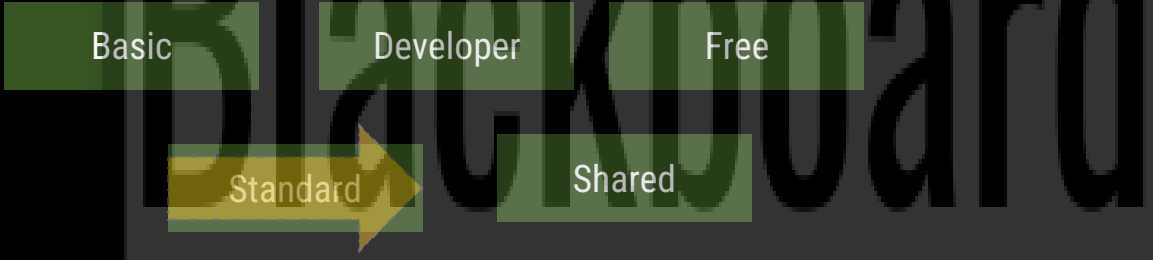
Which web tier plan should you use?

Keywords: 12 GB

6

You are planning to migrate a company to Azure. Each of the company as numerous divisions will have an administrator in place to manage the Azure resources used by their respective division. You want to make sure that the Azure deployment you employ allows for Azure to be segmented for the divisions, while keeping administrative effort to a minimum.

Solution: You plan to make use of several Azure Active Directory (Azure AD) directories. Does the solution meet the goal?



## AZ 900: Exam Questions - Part 1

8

You are required to deploy an Artificial Intelligence (AI) solution in Azure. You want to make sure that you are able to build, test, and deploy predictive analytics for the solution.

Solution: You should make use of Azure Machine Learning Studio. Does the solution meet the goal?

Yes

No

Machine Learning Studio (classic) is a drag-and-drop tool you can use to build, test, and deploy predictive analytics solutions.

9

You are required to deploy an Artificial Intelligence (AI) solution in Azure. You want to make sure that you are able to build, test, and deploy predictive analytics for the solution.

Solution: You should make use of Azure Cosmos DB. Does the solution meet the goal?

Yes

No

Azure Cosmos DB is a fully managed NoSQL database for modern app development. Single-digit millisecond response times, and automatic and instant scalability, guarantee speed at any scale.



10

The company would like to develop a cloud solution by making use of Azure Government. Azure Government can only be used by certain types of clients to develop cloud solutions.

Which of the following are the types of customers that can make use of Azure Government in this situation? Answer by dragging the correct option from the list to the answer area.

Options

A government contractor from any country.

A government entity from any country.

A European government contractor.

A European government entity.

A United States government contractor.

A United States government entity

Answers

A United States government contractor.

A United States government entity



# AZ 900: Exam Questions - Part 2

11

Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center. You are required make sure that the intended Azure solution uses the correct expenditure model.

Solution: You should recommend the use of the elastic expenditure model. Does the solution meet the goal?

Yes

No

13

Your company's Active Directory forest includes thousands of user accounts. You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired. You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.

Solution: You plan to sync all the Active Directory user accounts to Azure Active Directory (Azure AD). Does the solution meet the goal?

Yes

No

12

Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation. The resources required by each business unit are identical. You are required to sanction a strategy to create Azure resources automatically.

Solution: You recommend that the Azure API Management service be included in the strategy. Does the solution meet the goal?

Yes

No

Azure API Management Service (APIM ) is a way to create and manage customer APIs for existing backend services. The Question is asking about a way to create Azure resources automatically ( on the fly ). ARM (Azure Resource Manager) is a tool that automates the deployments on the AZ cloud.

## AZ 900: Exam Questions - Part 2

14

Your company's subscription includes a Basic support plan. They would like to request an assessment of an Azure environment design from Microsoft. This is, however, not supported by the existing plan.

You want to make sure that the company subscribes to a support plan that allows this functionality, while keeping expenses to a minimum.

Solution: You recommend that the company subscribes to the Premier support plan. Does the solution meet the goal?

Yes

No

16

You are tasked with deploying Azure virtual machines for your company. You need to make use of the appropriate cloud deployment solution.

Solution: You should make use of Infrastructure as a Service (IaaS). Does the solution meet the goal?

Yes

No

15

You are tasked with deploying Azure virtual machines for your company. You need to make use of the appropriate cloud deployment solution.

Solution: You should make use of Software as a Service (SaaS). Does the solution meet the goal?

Yes

No

17

You are tasked with deploying Azure virtual machines for your company. You need to make use of the appropriate cloud deployment solution.

Solution: You should make use of Platform as a Service (PaaS). Does the solution meet the goal?

Yes

No



18

You are required to deploy an Artificial Intelligence (AI) solution in Azure. You want to make sure that you are able to build, test, and deploy predictive analytics for the solution.

**Solution:** You should make use of Azure Machine Learning Studio.  
Does the solution meet the goal?

Yes

No

20

Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation. The resources required by each business unit are identical. You are required to sanction a strategy to create Azure resources automatically.

**Solution:** You recommend that management groups be included in the strategy.  
Does the solution meet the goal?

Yes

No

19

Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation. The resources required by each business unit are identical. You are required to sanction a strategy to create Azure resources automatically.

**Solution:** You recommend that the Azure API Management service be included in the strategy.  
Does the solution meet the goal?

Yes

No

21

Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation. The resources required by each business unit are identical. You are required to sanction a strategy to create Azure resources automatically.

**Solution:** You recommend that the Azure Resource Manager templates be included in the strategy.  
Does the solution meet the goal?

Yes

No





## AZ 900: Exam Questions - Part 2

22

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

**Solution:** You include two virtual machines and one availability zone in your strategy.

Does the solution meet the goal?

Yes

No

24

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

**Solution:** You include two virtual machines and two availability zones in your strategy.

Does the solution meet the goal?

Yes

No

23

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

**Solution:** You include one virtual machine and two availability zones in your strategy.

Does the solution meet the goal?

Yes

No

25

Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

**Solution:** You recommend the use of Microsoft Managed Desktop.

Does the solution meet the goal?

Yes

No



# AZ 900: Exam Questions - Part 2

22

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

**Solution:** You include two virtual machines and one availability zone in your strategy.

Does the solution meet the goal?

Yes

No

24

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

**Solution:** You include two virtual machines and two availability zones in your strategy.

Does the solution meet the goal?

Yes

No

23

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

**Solution:** You include one virtual machine and two availability zones in your strategy.

Does the solution meet the goal?

Yes

No

25

Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

**Solution:** You recommend the use of Microsoft Managed Desktop.

Does the solution meet the goal?

Yes

No



26

Your company intends to subscribe to an Azure support plan. The support plan must allow for new support requests to be opened. Which of the following are support plans that will allow this?

Answer by dragging the correct option from the list to the answer area.  
Select and Place:

Options

Answers

Basic

Developer

Standard

Professional Direct

Premier

27

Your company has datacenters in Los Angeles and New York. The company has a Microsoft Azure subscription.

You are configuring the two datacenters as geo-clustered sites for site resiliency.

You need to recommend an Azure storage redundancy option.

You have the following data storage requirements:

- a) Data must be stored on multiple nodes.
- b) Data must be stored on nodes in separate geographic locations.
- c) Data can be read from the secondary location as well as from the primary location

Which of the following Azure stored redundancy options should you recommend?

- A. Geo-redundant storage
- B. Read-only geo-redundant storage
- C. Zone-redundant storage
- D. Locally redundant storage



## AZ 900: Exam Questions - Part 3

28

An Azure administrator plans to run a PowerShell script that creates Azure resources. You need to recommend which computer configuration to use to run the script.

Solution: Run the script from a computer that runs Linux and has the Azure CLI tools installed.

Does this meet the goal?

Yes

No

30

An Azure administrator plans to run a PowerShell script that creates Azure resources. You need to recommend which computer configuration to use to run the script.

Solution: Run the script from a computer that runs macOS and has PowerShell Core 6.0 installed.

Does this meet the goal?

Yes

No

29

An Azure administrator plans to run a PowerShell script that creates Azure resources. You need to recommend which computer configuration to use to run the script.

Solution: Run the script from a computer that runs Chrome OS and uses Azure Cloud Shell..

Does this meet the goal?

Yes

No

31

You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system.

Solution: You use Bash in Azure Cloud Shell.

Does this meet the goal?

Yes

No

## AZ 900: Exam Questions - Part 3

32

A Microsoft SQL database that is hosted in the cloud and has software updates managed by Azure is an example of

- disaster recovery as a service (DRaaS)
- infrastructure as a service (IaaS)
- platform as a service (PaaS)
- software as a service (SaaS)

34

What does a customer provide in a software as a service (SaaS) model?

- a) application data
- b) data storage
- c) compute resources
- d) application software

33

Your company plans to migrate all its data and resources to Azure. The company's migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure. You need to deploy an Azure environment that meets the company's migration plan. What should you create?

- a) azure virtual machines, Azure SQL databases, and Azure Storage accounts.
- b) an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed.
- c) an Azure App Service and Azure SQL databases.
- d) Azure storage accounts and web server in Azure virtual machines.

## AZ 900: Exam Questions - Part 3

35

When you need to delegate permissions to several Azure virtual machines simultaneously, you must deploy the Azure virtual machines

- a) to same Azure region
- b) by using same azure resource manager template
- c) to same resource group
- d) to same availability zone

37

What is the first stage in the Microsoft Cloud Adoption Framework for Azure?

- a) Adopt the cloud.
- b) Make a plan.
- c) Ready your organization.
- d) Define your strategy.

36

You plan to deploy several Azure virtual machines.

You need to ensure that the services running on the virtual machines are available if a single data center fails.

Solution: You deploy the virtual machines to two or more availability zones. Does this meet the goal?

Yes

No

38

Statement	Yes	No
• Microsoft SQL server 2019 installed on an Azure VM is example of platform as a service (PaaS)	<input type="radio"/>	<input checked="" type="radio"/>
• Azure SQL database is an example of platform as a service (PaaS)	<input checked="" type="radio"/>	<input type="radio"/>
• Azure Cosmos DB is an example of software as a service (SaaS)	<input type="radio"/>	<input checked="" type="radio"/>

39

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Statement	Yes	No
<ul style="list-style-type: none"> <li>Each Azure subscription can contain multiple account administrators.</li> </ul>	<input type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"> <li>Each Azure subscription can be managed by using a Microsoft account only</li> </ul>	<input type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"> <li>An Azure resource group contains multiple Azure Subscriptions</li> </ul>	<input type="radio"/>	<input type="radio"/>

40

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Statement	Yes	No
<ul style="list-style-type: none"> <li>Availability zones can be implemented in all Azure regions.</li> </ul>	<input type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"> <li>Only virtual machines that run windows server can be created in availability zones</li> </ul>	<input type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"> <li>Availability zones are used to replicate data and applications to multiple regions</li> </ul>	<input type="radio"/>	<input type="radio"/>



# AZ 900: Exam Questions - Part 4

**41**  
You have been informed by your superiors of the company's intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process. You are required to make sure that during the deployment, the administrative credentials are encrypted using a suitable Azure solution.  
*Solution: You recommend the use of Azure Multi-Factor Authentication (MFA).*  
Does the solution meet the goal?

Yes  No

**43**  
Your company has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet. You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.  
*Solution: You configure the use of Azure AD Privileged Identity Management.*  
Does the solution meet the goal?



Yes  No

**42**  
Your company has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet. You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.  
*Solution: You configure the use of Azure AD Identity Protection.*  
Does the solution meet the goal?

Yes  No

**44**  
Your company's Active Directory forest includes thousands of user accounts. You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired. You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.  
*Solution: You plan to use Azure Multi-Factor Authentication (MFA).*

Yes  No



45

You are planning a strategy to deploy numerous web servers and database servers to Azure.

This strategy should allow for connection types between the web servers and database servers to be controlled.

**Solution:** You include a local network gateway in your strategy.

Does the solution meet the goal?

Yes

No

47

You have an on-premises network that contains several servers.

You plan to migrate all the servers to Azure.

You need to recommend a solution to ensure that some of the servers are available if a single Azure data center goes offline for an extended period.

What should you include in the recommendation?

a) fault tolerance

b) elasticity

c) scalability

d) low latency

46

You are planning a strategy to deploy numerous web servers and database servers to Azure.

This strategy should allow for connection types between the web servers and database servers to be controlled.

**Solution:** You include network security groups (NSGs) in your strategy.

Does the solution meet the goal?

Yes

No

48

An organisation that hosts its infrastructure \_\_\_\_\_ no longer requires a data center

a) in a private cloud

b) in a hybrid cloud

c) in a public cloud

d) on a Hyper V host

AZ 900: Exam Questions - Part 4

49

What are two characteristics of the public cloud? Each correct answer presents a complete solution.

- a) dedicated hardware
- b) unsecured connections
- c) limited storage
- d) metered pricing
- e) self-service management

51

On which layer is DDoS protection applied?

- a) Application layer
- b) Network layer
- c) Perimeter layer

50

When planning to migrate a public website to Azure, you must plan to

- a) deploy a VPN
- b) pay monthly usage costs
- c) pay to transfer all the website data to Azure
- d) reduce the number of connections to the website

52

When you are implementing a Software as a Service (SaaS) solution, you are responsible for

- a) configuring high availability
- b) defining scalability rules
- c) installing the SaaS solution
- d) configuring the SaaS solution

53

Statement

Yes

No

- Azure provides flexibility between capital expenditure (CapEx) and operational expenditure (OpEx)
- If you create two Azure virtual machines that use the B2S size, each virtual machine will always generate the same monthly cost.
- When an Azure virtual machine is stopped, you continue to pay storage costs associated to the virtual machine

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

54

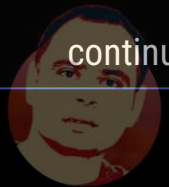
Statement

Yes

No

- A platform as a service (PaaS) solution that hosts web apps in Azure provides full control of the operation systems that host applications
- A platform as a service (PaaS) solution that hosts web apps in Azure provides the ability to scale the platform automatically
- A platform as a service (PaaS) solution that hosts web apps in Azure provides professional development services to continuously add features to custom applications

<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>



55

In Azure pay-as-you-go is:

- a) Capital Expenditure
- b) Operational Expenditure



## AZ 900: Exam Questions - Part 5

56

You plan to provision Infrastructure as a Service (IaaS) resources in Azure. Which resource is an example of IaaS?

- a) an Azure web app
- b) an Azure virtual machine
- c) an Azure logic app
- d) an Azure SQL database

58

In which type of cloud model are all the hardware resources owned by a third-party and shared between multiple tenants?

- a) private cloud
- b) hybrid cloud
- c) public cloud

57

You plan to migrate a web application to Azure. The web application is accessed by external users. You need to recommend a cloud deployment solution to minimize the amount of administrative effort used to manage the web application. What should you include in the recommendation?

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)
- c) Infrastructure as a Service (IaaS)
- d) Database as a Service (DaaS)

Azure App Service is a platform-as-a-service (PaaS) offering that lets you create web and mobile apps for any platform or device and connect to data anywhere, in the cloud or on-premises. App Service includes the web and mobile capabilities that were previously delivered separately as Azure Websites and Azure Mobile.

59

An Azure web app that queries an on-premises Microsoft SQL server is an \_\_\_\_\_ example of a cloud

- a) private
- b) public
- c) hybrid
- d) multi-vendor

61

You plan to provision Infrastructure as a Service (IaaS) resources in Azure. Which resource is an example of IaaS?

- a) an Azure web app
- b) an Azure virtual machine
- c) an Azure logic app
- d) an Azure SQL database

60

Which cloud deployment solution is used for Azure virtual machines and Azure SQL databases? To answer, select the appropriate options in the answer area.

### Azure virtual machines

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)
- c) Infrastructure as a Service (IaaS)
- d) Database as a Service (DaaS)

### Azure SQL database

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)
- c) Infrastructure as a Service (IaaS)
- d) Database as a Service (DaaS)

AZ 900: Exam Questions - Part 5

62  
An Azure web app that queries an on-premises Microsoft SQL server is an \_\_\_\_\_ example of a cloud

- a) private
- b) public
- c) hybrid
- d) multi-vendor

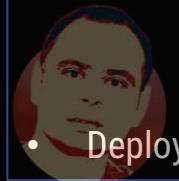
63  
You have 1,000 virtual machines hosted on the Hyper-V hosts in a data center. You plan to migrate all the virtual machines to an Azure pay-as-you-go subscription. Which expenditure model should you identify?

- a) operational
- b) elastic
- c) capital
- d) scalable

64

- | Statement  | Yes                              | No                               |
|--|----------------------------------|----------------------------------|
| • Azure pay-as-you-go pricing is an example of CapEx           | <input type="radio"/>            | <input checked="" type="radio"/> |
| • Paying electricity for your datacenter is an example of OpEX | <input checked="" type="radio"/> | <input type="radio"/>            |
| • Deploying your own datacenter is an example fo CapEx         | <input checked="" type="radio"/> | <input type="radio"/>            |

Statement	Yes	No
• Azure pay-as-you-go pricing is an example of CapEx	<input type="radio"/>	<input checked="" type="radio"/>
• Paying electricity for your datacenter is an example of OpEX	<input checked="" type="radio"/>	<input type="radio"/>
• Deploying your own datacenter is an example fo CapEx	<input checked="" type="radio"/>	<input type="radio"/>





## AZ 900: Exam Questions - Part 5

65

To which cloud models can you deploy physical servers?

- a) public cloud
- b) private cloud, hybrid cloud and public cloud
- c) hybrid cloud only
- d) private cloud and hybrid cloud

67

Your company plans to migrate all its data and resources to Azure. The company's migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure. You need to deploy an Azure environment that meets the company migration plan.

*Solution: You create an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed.*

Does this meet the goal?

Yes

No

66

Your company plans to migrate all its data and resources to Azure. The company's migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure. You need to deploy an Azure environment that meets the company migration plan.

*Solution: You create an Azure App Service and Azure SQL databases.*

Does this meet the goal?

Yes

No

68

Your company plans to migrate all its data and resources to Azure. The company's migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure. You need to deploy an Azure environment that meets the company migration plan.

*Solution: You create an Azure Virtual Machine and Azure storage account.*

Does this meet the goal?

Yes

No

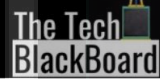
## AZ - 900 AZURE FUNDAMENTALS

### Introduction:

- IaaS vs PaaS vs SaaS
- OnDemand
- Pay as you go
- CapEX and OpEX



PART  
2



## AZ - 900 AZURE FUNDAMENTALS

CapEX

Capital Expenditure

VS

OpEX

Operational Expenditure



PART  
5



## AZ - 900 AZURE FUNDAMENTALS

### Concept in detail:

- Public Cloud
- Private Cloud
- Hybrid Cloud



PART  
6



69

Statement

Yes

No

- To achieve a hybrid cloud model, a company must always migrate from a private cloud model.
- A company can extend the capacity of its internal network by using the public cloud.
- In a public cloud model, only guest users at your company can access the resources in the cloud



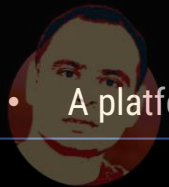
70

Statement

Yes

No

- A platform as a Service (PaaS) solution provides full control of operating systems that host applications.
- A platform as a Service (PaaS) solution provides additional memory to apps by changing pricing tiers
- A platform as a Service (PaaS) solution can automatically scale the number of instances



71

Azure site recovery provides \_\_\_\_\_ for virtual machines

- a) faulty tolerance
- b) disaster recovery
- c) elasticity
- d) high availability

73

You have an on-premises network that contains 100 servers. You need to recommend a solution that provides additional resources to your users. The solution must minimize capital and operational expenditure costs. What should you include in the recommendation?

- a) a complete migration to the public cloud
- b) an additional data center
- c) a private cloud
- d) a hybrid cloud

72

Your company hosts an accounting application named App1 that is used by all the customers of the company. App1 has low usage during the first three weeks of each month and very high usage during the last week of each month. Which benefit of Azure Cloud Services supports cost management for this type of usage pattern?

- a) high availability
- b) high latency
- c) elasticity
- d) load balancing

74

To answer, drag the appropriate benefit from the column on the left to its description on the right. Each benefit may be used once, more than once, or not at all.

Dynamic scalability

Fault tolerance

A cloud service that remains available after a failure occurs

Low latency

Disaster recovery

A cloud service that can be recovered after a failure occurs

Fault tolerance

Low latency

A cloud service that can be accessed quickly from the internet

Disaster recovery

Dynamic scalability

A cloud service that performs quickly when demand increases

75

Your company has an on-premises network that contains multiple servers. The company plans to reduce the following administrative responsibilities.

Managing permissions to shared documents

Backing up application data

Replace failed server hardware

Updating server operating systems

Managing physical server security

a) Replacing failed server hardware

b) Backing up application data

c) Managing physical server security

d) Updating server operating systems

e) Managing permissions to shared documents

The company plans to migrate servers to Azure virtual machines. You need to identify which administrative responsibilities will be eliminated after the planned migration. Which two responsibilities should you identify? Each correct answer presents a complete solution.

76

Statement

Yes

No

- An Azure subscription can be associated to multiple Azure Active Directory (Azure AD) tenants.
- You can change the Azure Active Directory (Azure AD) tenant to which an Azure subscription is associated.
- When an Azure subscription expires, the associated Azure Active Directory (Azure AD) tenant is deleted automatically

<input type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input checked="" type="radio"/>

77

Statement

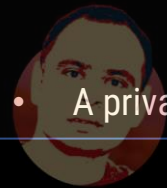
Yes

No

- A company can extend a private cloud by adding its own physical server to the public cloud
- To build a hybrid cloud, you must deploy resources to the public cloud

<input type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input checked="" type="radio"/>

- A private cloud must be disconnected from the internet



AZ 900: Exam Questions - Part 6

78

You have 150 virtual machines hosted on-premises and 100 virtual machines hosted in Azure. Both on-premises virtual machines and Azure virtual machines are connected to each other. Which type of cloud model is this?

- a) hybrid
- b) private
- c) public

80

Evaluate the underlined text to determine if it is correct. One of the benefits of Azure Synapse is that high availability is built into the platform. Instructions: If underline text makes the statement correct, select No change is needed. If the statement is incorrect, select the answer choice that makes the statement correct.

- a) No change is needed
- b) automatic scaling
- c) data compression

79

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

81

Your company plans to deploy several custom applications to Azure. The applications will provide invoicing services to the customers of the company. Each application will have several prerequisite applications and services installed. You need to recommend a cloud deployment solution for all the applications. What should you recommend?

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)
- c) Infrastructure as a Service (IaaS)



82

You plan to deploy several Azure virtual machines. You need to ensure that the services running on the virtual machines are available if a single data center fails.

Solution: You deploy the virtual machines to a scale set.

Does this meet the goal?

Yes

No

84

You plan to deploy several Azure virtual machines. You need to ensure that the services running on the virtual machines are available if a single data center fails.

Solution: You deploy the virtual machines to two or more regions.

Does this meet the goal?

Yes

No

83

You plan to deploy several Azure virtual machines. You need to ensure that the services running on the virtual machines are available if a single data center fails.

Solution: You deploy the virtual machines to two or more resource groups.

Does this meet the goal?

Yes

No

85

Azure COSMOS DB is an example of a \_\_\_\_\_

- a) platform as a service (PaaS)
- b) infrastructure as a service (IaaS)
- c) serverless
- d) software as a service (SaaS)

86

Resource groups provide organizations with the ability to manage the compliance of Azure resources across multiple subscriptions.

- a) No change is needed
- b) Management groups
- c) Azure policies
- d) Azure App Service plans

88

You plan to store 20 TB of data in Azure. The data will be accessed infrequently and visualized by using Microsoft Power BI.

You need to recommend a storage solution for the data.

Which two solutions should you recommend?

87

Your company plans to migrate to Azure.

The company has several departments. All the Azure resources used by each department will be managed by a department administrator.

What are two possible techniques to segment Azure for the departments?

- a) multiple subscriptions
- b) multiple Azure Active Directory (Azure AD) directories
- c) multiple regions
- d) multiple resource groups

- a) Azure Data Lake
- b) Azure Cosmos DB
- c) Azure Synapse Analytics



89

Statement

Yes

No

- Azure resources can only access other resources in the same resource group
- If you delete a resource group, all the resources in the resource group will be deleted
- A resource group can contain resources from multiple Azure regions

<input type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>

90

Statement

Yes

No

- With Software as a Service (SaaS), you must apply software updates
- With Infrastructure as a Service (IaaS), you must install the software that you want to use
- Azure backup is an example of Platform as a Service (PaaS)

<input type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>



91

Statement

Yes

No

- You can create a resource group inside of another resource group.
- An Azure virtual machine can be in multiple resource groups.
- A resource group can contain resources from multiple Azure regions.



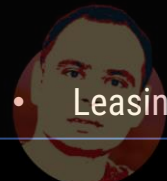
92

Statement

Yes

No

- Building a data center infrastructure is an example of operational expenditure (OpEx) costs.
- Monthly salaries for technical personnel are an example of operational expenditure (OpEx) costs.
- Leasing software is an example of operational expenditure (OpEx) costs.



93

Statement

Yes

No

- A platform as a service (PaaS) solution that hosts web apps in Azure provides full control of the operating systems that host applications.
- A Platform as a Service (PaaS) solution that hosts web apps in Azure can be provided with additional memory by changing the pricing tier.
- A Platform as a Service (PaaS) solution that hosts web apps in Azure can be configured to automatically scale the number of instances based on demand.

94

To answer, drag the appropriate benefit from the column on the left to its description on the right. Each benefit may be used once, more than once, or not at all.

Hybrid Cloud

Private Cloud

Public Cloud

Public Cloud

Private Cloud

Hybrid Cloud

No required capital expenditure.

Provides complete control over security.

Provides a choice to use on-premises or cloud-based resources.



95

Statement

Yes

No

- An Azure subscription can be associated to multiple Azure Active Directory (Azure AD) tenants.
- You can change the Azure Active Directory (Azure AD) tenant to which an Azure subscription is associated.
- When an Azure subscription expires, the associated Azure Active Directory (Azure AD) tenant is deleted automatically

<input type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input checked="" type="radio"/>

96

Statement

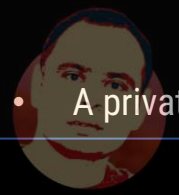
Yes

No

- A company can extend a private cloud by adding its own physical server to the public cloud
- To build a hybrid cloud, you must deploy resources to the public cloud

<input type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input checked="" type="radio"/>

- A private cloud must be disconnected from the internet



97

Which Azure service should you use to collect events from multiple resources into a centralized repository?

- a) Azure Event Hubs
- b) Azure Analysis Services
- c) Azure Monitor
- d) Azure Stream Analytics

99

You have a virtual machine named VM1 that runs Windows Server 2016. VM1 is in the East US Azure region. Which Azure service should you use from the Azure portal to view service failure notifications that can affect the availability of VM1?

- a) Azure Service Fabric
- b) Azure Monitor
- c) Azure virtual machines
- d) Azure Advisor

98

Which Azure service provides a set of version control tools to manage code?

- a) Azure Repos
- b) Azure DevTest Labs
- c) Azure Storage
- d) Azure Cosmos DB

100

Complete the sentence:  
An Availability Zone in Azure has physically separate locations

- a) across two continents.
- b) within a single Azure region.
- c) within multiple Azure regions.
- d) within a single Azure datacenter.



Which of the following is an example of IaaS

**Compute**  
Access cloud compute capacity, virtualization, and scale on demand—and only pay for the resources you use.

**Storage**  
Scale and secure cloud storage for your data, apps, and workloads.

**Networking**  
Connect your cloud and on-premises infrastructure securely on a global scale.

**Security**  
Protect your workloads and infrastructure with built-in security services and unparalleled intelligence.

**Management**  
Simplify, automate, and optimize the management and compliance of your cloud resources.

**Azure Virtual Desktop**  
Empower employees to work virtually anywhere. Quickly deploy a highly secure remote desktop experience.

**Hybrid cloud solutions**  
Deliver innovation across your on-premises, multicloud, and edge environments.

**High-performance computing (HPC)**  
Run compute-intensive workloads with maximum performance, scalability, and cost efficiency.

**Windows Server on Azure**  
Simplify IT management and gain seamless hybrid operations, unmatched security, and significant cost savings.

**Linux on Azure**  
Conveniently run and manage your apps with your favorite Linux distribution on Azure.

**SAP on Azure**  
Bring the intelligence, security, and reliability of Azure to your SAP applications.

**vmware**  
**Azure VMware Solution**  
Run your VMware workloads natively on Azure and provision your environment within minutes.

All of them

102

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statement	Yes	No
<ul style="list-style-type: none"> <li>From Azure Service Health, an administrator can view the health of all the services in an azure environment</li> </ul>	<input checked="" type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"> <li>From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails</li> </ul>	<input checked="" type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"> <li>From Azure Service Health, an administrator can prevent a service failure</li> </ul>	<input type="radio"/>	<input checked="" type="radio"/>

103

You have an Azure environment that contains 10 web apps. To which URL should you connect to manage all the Azure resources?

https://

- admin.
- portal.
- www.
- Azure.

- azure.
- portal.
- microsoft.
- azuresites.

com



104

You plan to extend your company network to Azure. The network contains a VPN appliance that uses an IP address of 121.108.100.1.

You need to create an Azure resource that defines the VPN appliance in Azure. Which Azure resource should you create? To answer, select the appropriate resource in the answer area.

- a) Services
- b) NAT gateways
- c) Application gateways
- d) Local network gateways
- e) Virtual network gateways
- f) On-premises Data Gateways
- g) Azure Data Box Gateway
- h) Azure Stack Edge / Data Box Gateway
- i) Web Application Firewall policies

105

Your company plans to move several servers to Azure.

The company's compliance policy states that a server named FinServer must be on a separate network segment.

You are evaluating which Azure services can be used to meet the compliance policy requirements.

Which Azure solution should you recommend?

- a) a resource group for FinServer and another resource group for all the other servers
- b) a virtual network for FinServer and another virtual network for all the other servers
- c) a VPN for FinServer and a virtual network gateway for each other server
- d) one resource group for all the servers and a resource lock for FinServer

106

Statement

Yes

No

- Azure PowerShell modules can be installed on macOS.
- Azure Cloud Shell can be accessed from a web browser on a Linux computer
- The Azure portal can only be accessed from a Windows device.

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>

107

Statement

Yes

No

- All the Azure resources deployed to a resource group must use the same Azure region.
- If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.

<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

- If you assign permissions for a user to manage a resource group, the user can manage all the Azure resources in that resource group.

## AZ 900: Exam Questions - Part 8

108

A support engineer plans to perform several Azure management tasks by using the Azure CLI. You install the CLI on a computer. You need to tell the support engineer which tools to use to run the CLI. Which two tools should you instruct the support engineer to use?

- a) Command Prompt
- b) Azure Resource Explorer
- c) Windows PowerShell
- d) Windows Defender Firewall
- e) Network and Sharing Center

110

You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system.

**Solution:** You use the PowerApps portal.

Does this meet the goal?

Yes

No

109

You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system.

**Solution:** You use PowerShell in Azure Cloud Shell.

Does this meet the goal?

Yes

No

111

You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system.

**Solution:** You use the Azure portal.

Does this meet the goal?

Yes

No

AZ 900: Exam Questions - Part 8

112

You plan to map a network drive from several computers that run Windows 10 to Azure Storage. You need to create a storage solution in Azure for the planned mapped drive.

What should you create?

- a) an Azure SQL database
- b) a virtual machine data disk
- c) a File service in a storage account
- d) a Blob service in a storage account

114

Data that is stored in the Archive access tier of an Azure Storage account

- a) can be accessed at any time by using azcopy.exe.
- b) can only be read by using Azure Backup.
- c) must be restored before the data can be accessed.
- d) must be rehydrated before the data can be accessed.

113

Your company plans to start using Azure and will migrate all its network resources to Azure.

You need to start the planning process by exploring Azure. What should you create first?

- a) a subscription
- b) a resource group
- c) a virtual network
- d) a management group

115

\_\_\_\_\_ is an Apache Spark-based analytics service.

- a) Azure Databricks
- b) Azure Data Factory
- c) Azure DevOps
- d) Azure Synapse Analytics

## AZ 900: Exam Questions - Part 9

116

Company ABC uses management groups to manage resources in your Azure tenant more efficiently. They want Userapha to be able to manage user access to Azure resources. You need to determine to which role-based access control (RBAC) role Userapha should be added.

Your solution should follow the principle of least privilege. To which role should you add Userapha?

- a) User Access Administrator
- b) Owner
- c) Management Group Contributor
- d) Contributor

118

Which service provides serverless computing in Azure?

- a) Azure Virtual Machines
- b) Azure Functions
- c) Azure storage account
- d) Azure Container Instances

117

Which Azure service should you use to store certificates?

- a) Azure Security Center
- b) an Azure Storage account
- c) Azure Key Vault
- d) Azure Information Protection

119

An Azure service is available to customer when it is in

- a) private preview
- b) public preview
- c) development
- d) an Enterprise Agreement (EA) subscription

120

Statement

Yes

No

- Data that is stored in an Azure Storage account automatically has at least three copies.
- All data that is copied to an Azure Storage account is backed up automatically to another Azure data center.
- An Azure Storage account can contain up to 2 TB of data and up to one million files.

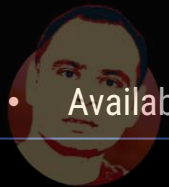
121

Statement

Yes

No

- If you have Azure resources deployed to every region, you can implement availability zones in all the regions.
- Only virtual machines that run Windows Server can be created in availability zones.
- Availability zones are used to replicate data and applications to multiple regions.



122

You plan to deploy a critical line-of-business application to Azure. The application will run on an Azure virtual machine. You need to recommend a deployment solution for the application. The solution must provide a guaranteed availability of 99.99 percent. What is the minimum number of virtual machines and the minimum number of availability zones you should recommend for the deployment? To answer, select the appropriate options in the answer area.

• Minimum number of virtual machines

1

2

3

4

• Minimum number of availability zones

1

2

3

4



123

Your company hosts an accounting application named App1 that is used by all the customers of the company. App1 has low usage during the first three weeks of each month and very high usage during the last week of each month. Which benefit of Azure Cloud Services supports cost management for this type of usage pattern?

- a) high availability
- b) high latency
- c) elasticity
- d) load balancing

124

You need to identify which blades in the Azure portal must be used to perform the following tasks:

- ☞ View security recommendations.
- ☞ Monitor the health of Azure services.
- ☞ Browse available virtual machine images.

Which blade should you identify for each task? To answer, select the appropriate options in the answer area.

Answer Area

View security recommendations

- Monitor
- Subscription
- Market Place
- Advisor

Monitor the health of Azure services

- Monitor
- Subscription
- Market Place
- Advisor

Browse available virtual machine images

- Monitor
- Subscription
- Market Place
- Advisor



125

Statement

Yes

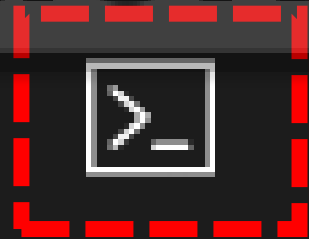
No

- Azure Monitor can monitor the performance of on-premises computers.
- Azure Monitor can send alerts to Azure Active Directory security groups.
- Azure Monitor can trigger alerts based on data in an Azure Log Analytics workspace.

Interactive response area for question 125. It contains a grid of colored shapes: a green square with a blue circle, a blue circle, a green square with a blue circle, and a pink circle.

126

You need to manage Azure by using Azure Cloud Shell.  
Which Azure portal icon should you select? To answer, select the appropriate icon in the answer area



127

Statement

Yes

No

- Azure DevOps Services allows developers to deploy or update applications to Azure using Continuous Integration/Continuous Delivery (CI/CD) pipelines.
- Azure DevOps Services includes a Git repository for developers to store code.
- Azure DevOps Services can be used to build and host web apps.



128

DRAG DROP - Match the Azure service to the correct description. Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.

Answer Option

Answer Area

Azure Advisor

Azure DevOps

An integrated solution for the deployment of code

Azure Cognitive Services

Azure Advisor

A tool that provides guidance and recommendations to improve an Azure Environment

Azure Application Insights

Azure Cognitive Services

A simplified tool to build intelligent Artificial Intelligence (AI) applications

Azure DevOps

Azure Application Insights

Monitors web applications



129

You plan to implement an Azure database solution. You need to implement a database solution that meets the following requirements:

- Can add data concurrently from multiple regions
- Can store JSON documents

Which database service should you deploy?

- a) Azure Cosmos DB
- b) Azure Database for MySQL servers
- c) Azure Database for MariaDB servers
- d) SQL Data warehouses
- e) Data factories
- f) Azure Database for PostgreSQL servers
- g) SQL servers
- h) SQL elastic pools
- i) SQL managed instances

130

You have an Azure environment that contains multiple Azure virtual machines. You plan to implement a solution that enables the client computers on your on-premises network to communicate to the Azure virtual machines. You need to recommend which Azure resources must be created for the planned solution.

Which two Azure resources should you include in the recommendation? Each correct answer presents part of the solution.

- a) a virtual network gateway
- b) a load balancer
- c) an application gateway
- d) a virtual network
- e) a gateway subnet

131

Recommend a tool to automatically send an alert if an administrator stops an Azure virtual machine?

- a) Azure Logic Apps
- b) Azure Machine Learning Designer
- c) Azure monitor
- d) Azure advisor

133

A common platform for deploying objects to a cloud infrastructure and for implementing consistency across the Azure environment.

- a) Azure policies
- b) Resource groups
- c) Azure Resource Manager templates
- d) Management groups

132

Azure billing is attached on what level

- a) Resource group
- b) Azure active directory
- c) Azure Subscription

134

You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system. What are three possible solutions? Each correct answer presents a complete solution.

- a) Use Bash in Azure Cloud Shell.
- b) Use PowerShell in Azure Cloud Shell.
- c) Use the PowerApps portal.
- d) cmd prompt.
- e) Use the Azure portal.

135

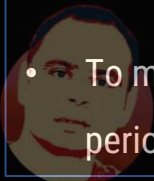
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statement	Yes	No
<ul style="list-style-type: none"> <li>From Azure Service Health, an administrator can view the health of all the services in an azure environment</li> </ul>	<input checked="" type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"> <li>From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails</li> </ul>	<input checked="" type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"> <li>From Azure Service Health, an administrator can prevent a service failure</li> </ul>	<input type="radio"/>	<input checked="" type="radio"/>

136

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statement	Yes	No
<ul style="list-style-type: none"> <li>Azure advisor can generate a list of Azure Virtual machines that are not backed up.</li> </ul>	<input checked="" type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"> <li>If you implement the security recommendations provide by Azure Advisor, you company's secure score will increase</li> </ul>	<input checked="" type="radio"/>	<input type="radio"/>
<ul style="list-style-type: none"> <li>To maintain Microsoft support you must implement the security recommendations provided by Azure Advisor within a period of 30 days</li> </ul>	<input type="radio"/>	<input checked="" type="radio"/>





AZ 900: Exam Questions - Part 10

137

Your company plans to deploy an Artificial Intelligence (AI) solution in Azure. What should the company use to train and deploy models in Azure Machine Learning?

- a) Azure Logic Apps
- b) Azure Machine Learning Designer
- c) Azure Batch
- d) Azure Cosmos DB

138

You have an Azure web app. You need to manage the settings of the web app from an iPhone. What tool that you can use? Each correct answer presents a complete solution.

- a) Linux
- b) Azure portal
- c) Windows PowerShell
- d) Azure Storage Explorer

139

To answer, drag the appropriate benefit from the column on the left to its description on the right. Each benefit may be used once, more than once, or not at all.

- Azure Active Directory (Azure AD)
- Azure Key Vault
- Azure Lighthouse
- Azure Security Center
- Azure Sentinel

Azure Sentinel	Analyze security log files from Azure virtual machines.
Azure Security Center	Display the secure score for an Azure subscription
Azure Key Vault	Store passwords for use by Azure Function applications.

140

DRAG DROP - Match the Azure service to the correct description. Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.

Answer Option

Answer Area

Azure HDInsight

Azure SQL Database

A managed relational cloud database service

Azure Data Lake Analytics

Azure SQL Synapse Analytics

A cloud-based service that leverages on massively parallel processing (MPP) to quickly run complex queries across petabytes of data in a relational database

Azure SQL Synapse Analytics

Azure Data Lake Analytics

Can run massively parallel data transformation and processing programs across petabytes of data

Azure SQL Database

Azure HDInsight

An open source framework for the distributed processing and analysis of big data sets in clusters



AZ 900: Exam Questions - Part 11

141

Which tool enables users to authenticate to multiple applications by using single sign-on (SSO).

- a) Azure resource group
- b) Azure Active Directory (Azure AD)
- c) Azure advisor
- d) Azure monitor

143

Who can use the Azure Total Cost of Ownership (TCO) calculator?

- a) Billing readers for an Azure subscription only
- b) Azure account administrator
- c) Anyone
- d) Users who have an account in Azure Active Directory (Azure AD)

142

Azure Sentinel use playbook to

- a) Monitor azure service
- b) Maintain security certificates
- c) Run powershell scripts
- d) automatically respond to threats

144

You have an on-premises application that sends email notifications automatically based on a rule. You plan to migrate the application to Azure.

You need to recommend a serverless computing solution for the application. What should you include in the recommendation?

- a) a web app
- b) a server image in Azure Marketplace
- c) a logic app
- d) an API app

AZ 900: Exam Questions - Part 11

145

You plan to deploy a website to Azure. The website will be accessed by users worldwide and will host large video files. You need to recommend which Azure feature must be used to provide the best video playback experience. What should you recommend?

- a) an application gateway
- b) an Azure ExpressRoute circuit
- c) a content delivery network (CDN)
- d) an Azure Traffic Manager

147

Statement	Yes	No
• The cost of Azure resources can vary between regions.	<input checked="" type="radio"/>	<input type="radio"/>
• An Azure Reservation is used to reserve server capacity at a specific data center.	<input type="radio"/>	<input checked="" type="radio"/>
• You can stop an Azure SQL Database instance to decrease costs.	<input type="radio"/>	<input checked="" type="radio"/>

146

You have an application that is comprised of an Azure web app that has a Service Level Agreement (SLA) of 99.95 percent and an Azure SQL database that has an SLA of 99.99 percent. The composite SLA for the application is the product of both SLAs, which equals 99.94 percent. Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

- a) No change is needed
- b) the lowest SLA associated to the application, which is 99.95 percent
- c) the highest SLA associated to the application, which is 99.99 percent
- d) the difference between the two SLAs, which is 0.05 percent

148

To answer, drag the appropriate benefit from the column on the left to its description on the right. Each benefit may be used once, more than once, or not at all.

Azure Databricks	Azure functions	Provides the platform for serverless code
Azure app service	Azure Databricks	A big data analysis service for machine learning
Azure functions	Azure Application insights	Detects and diagnose anomalies in web apps
Azure Application insights	Azure app service	Hosts web apps

149

To answer, drag the appropriate benefit from the column on the left to its description on the right. Each benefit may be used once, more than once, or not at all.

Azure Active Directory (Azure AD)	Single sign-on (SSO)	The ability to use the same credentials to access multiple resources and applications
Authorization	Authorization	The process of identifying the access level of a user or service.
Multi-factor authentication (MFA)	Multi-factor authentication (MFA)	One or several elements required to identify a user or a service.
Single sign-on (SSO)		



150

You need to view a list of planned maintenance events that can affect the availability of an Azure subscription. Which blade should you use from the Azure portal? To answer, select the appropriate blade in the answer area.

1. On the Help and Support blade, there is a Service Health option.
2. Once you click Service Health, a new blade opens called Service Health
3. The Service Health blade contains the Planned Maintenance link which opens a blade where you can view a list of planned maintenance events that can affect the availability of an Azure subscription.

- + Create a resource
- Home
- Dashboard
- All services
- FAVORITES
- All resources
- Resource groups
- App Services
- Function App
- SQL databases
- Azure Cosmos DB
- Virtual machines
- Load balancers
- Storage accounts
- Virtual networks
- Azure Active Directory
- Monitor
- Advisor
- Microsoft Defender for Cloud
- Help + support
- Cost Management + Billing

Home >

## Help + support

Search (Ctrl+/)

- Overview
- Support
  - All support requests
  - Support Plans
  - Service Health
  - Advisor

## Service Health | Planned maintenance

Search (Ctrl+/) + Add service health alert Download events as CSV

ACTIVE EVENTS

- Service issues
- Planned maintenance
- Health advisories
- Security advisories

HISTORY

- Health history

RESOURCE HEALTH

- Resource health

ALERTS

- Health alerts

Subscription: 2 selected Region: 11 selected Service: 197 selected

No maintenance events are scheduled. See all past issues in the [health history](#).

151

33 – Part 3

Your company plans to migrate all its data and resources to Azure. The company's migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure. You need to deploy an Azure environment that meets the company's migration plan. What should you create?

- a) azure virtual machines, Azure SQL databases, and Azure Storage accounts.
- b) an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed.
- c) an Azure App Service and Azure SQL databases.
- d) Azure storage accounts and web server in Azure virtual machines.

152

66 – Part 5

Your company plans to migrate all its data and resources to Azure. The company's migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure. You need to deploy an Azure environment that meets the company migration plan.

**Solution:** You create an Azure App Service and Azure SQL databases. Does this meet the goal?

Yes

No

153

67 – Part 5

Your company plans to migrate all its data and resources to Azure. The company's migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure. You need to deploy an Azure environment that meets the company migration plan.

**Solution:** You create an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed.

Does this meet the goal?

Yes

No

154

68 – Part 5

Your company plans to migrate all its data and resources to Azure. The company's migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure. You need to deploy an Azure environment that meets the company migration plan.

**Solution:** You create an Azure Virtual Machine and Azure storage account. Does this meet the goal?

Yes

No



155

30 – Part 3

An Azure administrator plans to run a PowerShell script that creates Azure resources. You need to recommend which computer configuration to use to run the script.

Solution: Run the script from a computer that runs macOS and has PowerShell Core 6.0 installed.

Does this meet the goal?

Yes

No

157

97 – Part 7

Which Azure service should you use to collect events from multiple resources into a centralized repository?

- a) Azure Event Hubs
- b) Azure Analysis Services
- c) Azure Monitor
- d) Azure Stream Analytics

156

New

An Azure administrator plans to run a PowerShell script that creates Azure resources. You need to recommend which computer configuration to use to run the script.

Solution: Run the script from a computer that runs macOS and has PowerShell 7.0.6 LTS, PowerShell 7.1.3, or higher installed.

Does this meet the goal?

Yes

No

158

99 – Part 7

You have a virtual machine named VM1 that runs Windows Server 2016. VM1 is in the East US Azure region. Which Azure service should you use from the Azure portal to view service failure notifications that can affect the availability of VM1?

- a) Azure Service Fabric
- b) Azure Monitor
- c) Azure virtual machines
- d) Azure Advisor



159 25 – Part 2

Your company’s developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed. You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

**Solution:** You recommend the use of Microsoft Managed Desktop.  
Does the solution meet the goal?

Yes No

161 2 – Part 1

Your company’s developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed. You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

**Solution:** You recommend the use of Azure DevTest Labs.  
Does the solution meet the goal?

Yes No



160 1 – Part 1

Your company’s developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed. You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

**Solution:** You recommend the use of Azure Reserved Virtual Machines (VM) Instances.  
Does the solution meet the goal?

Yes No

162 5 – Part 1

Your developers have created 10 web applications that must be host on Azure. You need to determine which Azure web tier plan to host the web apps. The web tier plan must meet the following requirements:

- 1. The web apps will use custom domains.
- 2. The web apps each require 10 GB of storage.
- 3. The web apps must each run-in dedicated compute instances.
- 4. Load balancing between instances must be included.
- 5. Costs must be minimized.

Which web tier plan should you use?

Basic Developer Free Standard

163

New

A Hybrid cloud is part of Public cloud.

Yes

No

164

48 – Part 4

An organization that hosts its infrastructure \_\_\_\_\_ no longer requires a data center

- a) in a private cloud
- b) in a hybrid cloud
- c) in a public cloud
- d) on a Hyper V host

165

58 – Part 5

In which type of cloud model are all the hardware resources owned by a third-party and shared between multiple tenants?

- a) private cloud
- b) hybrid cloud
- c) public cloud

166

65 – Part 5

To which cloud models can you deploy physical servers?

- a) public cloud
- b) private cloud, hybrid cloud and public cloud
- c) hybrid cloud only
- d) private cloud and hybrid cloud

167

New

What should you use in Microsoft Sentinel to see visualization of an incident with related to alert and entities

- a) a workbook
- b) analytics rule
- c) connector
- d) investigation graph

168

142 – Part 11

Azure Sentinel use playbook to

- a) Monitor azure service
- b) Maintain security certificates
- c) Run powershell scripts
- d) automatically respond to threats

169

New

Which IOT solution is high security microcontroller and Linux based application in azure?

- a) IOT hub
- b) IOT central
- c) Azure Sphere

170

New

A VM can be deployed to multiple resources groups

Yes

No

171

New

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statement

Yes

No

- Most Azure services are introduced in private preview before being introduced in public preview and then in general availability
- Azure services in public preview can be managed only by using Azure CLI
- The cost of an Azure service in private preview decrease when the service becomes generally available

<input checked="" type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input checked="" type="radio"/>
<input type="radio"/>	<input checked="" type="radio"/>

172

New

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statement

Yes

No

- Trust Center is part of the Azure Security Center
- Trust Center can only be accessed by users that have an Azure subscription
- Trust Center provides information about the Azure compliance offerings

<input type="radio"/>	<input checked="" type="radio"/>
<input type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>



173

New

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statement	Yes	No
• General Data Protection Regulation (GDPR) defines data protection and privacy rules.	<input checked="" type="radio"/>	<input type="radio"/>
• General Data Protection Regulation (GDPR) applies to companies that offer goods or services to individuals in the EU.	<input checked="" type="radio"/>	<input type="radio"/>
• Azure can be used to build a General Data Protection Regulation (GDPR)-compliant infrastructure.	<input checked="" type="radio"/>	<input type="radio"/>

174

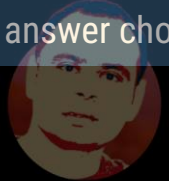
New

This question requires that you evaluate the underlined text to determine if it is correct.

From Azure Monitor, you can view which user turned off a specific virtual machine during the last 14 days.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

- a) No change is needed
- b) Azure Event Hubs
- c) Azure Activity Log
- d) Azure Service Health



175

This question requires that you evaluate the underlined text to determine if it is correct.

Azure Key Vault is used to store app secrets.

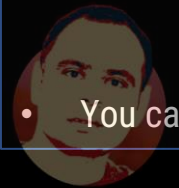
Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

- a) No change is needed
- b) Azure security center
- c) Azure Blob Storage
- d) Azure Repos

176

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statement	Yes	No
• You can use Azure Cost Management to view costs associated to management groups.	<input checked="" type="radio"/>	<input type="radio"/>
• You can use Azure Cost Management to view costs associated to resource groups.	<input checked="" type="radio"/>	<input type="radio"/>
• You can use Azure Cost Management to view the usage of virtual machines during the last three months.	<input checked="" type="radio"/>	<input type="radio"/>



177

New

Your company plans to migrate all on-premises data to Azure. You need to identify whether Azure complies with the company's regional requirements. What should you use?

- a) the Knowledge Center
- b) Azure Marketplace
- c) the MyApps portal
- d) the Trust Center

179

New

An Azure Cost Management service allows customers to estimate the cost of running their om-prem solution on Azure services before making a purchase. Is this statement true?

Yes

No

178

New

Azure Policy helps organization to:

- a) enforce organizational standards & to assess compliance at-scale.
- b) create security policy
- c) Create firewall rules

180

New

You can improve composite SLA by adding redundant service to your application

Yes

No



181

New

You can access Compliance Manager from:

- a) Azure Active Directory admin center
- b) Azure portal
- c) Microsoft 365 Compliance center
- d) Azure Service Trust Portal

183

New

Which service provides network traffic filtering across multiple Azure subscriptions and virtual networks?

- a) Azure key vault
- b) Azure Firewall
- c) an application security group
- d) Azure Trust Portal

182

New

North America is represented by a single Azure region

Yes

No

184

New

If you set permissions to a resource group all the Azure resources in that resource group inherit the permissions

Yes

No





185

New

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statement	Yes	No
One Microsoft account can be used to maintain multiple azure subscriptions	<input checked="" type="radio"/>	<input type="radio"/>
Two Azure subscriptions can be merged into a single subscription by creating a support request.	<input type="radio"/>	<input checked="" type="radio"/>
A company can store resources in multiple subscriptions.	<input checked="" type="radio"/>	<input type="radio"/>

186

New

You created multiple new subscriptions then a virtual machine can be moved to New subscriptions

Yes 


No

187

New

Azure Key Vault automatically generates a new secret after every use.

Yes

No 



188

New

You plan to deploy several Azure virtual machines. You need to control the ports that devices on the Internet can use to access the virtual machines. What should you use?

- a) a network security group (NSG)
- b) an Azure Active Directory (Azure AD)
- c) Network gateway
- d) an Azure key vault

190

New

Your Azure environment contains multiple Azure virtual machines. You need to ensure that a virtual machine named TheTechBlackBoard\_VM1 is accessible from the Internet over HTTP.

**Solution:** You modify an Azure Traffic Manager profile.

Does this meet the goal?

Yes

No

189

New

Your Azure environment contains multiple Azure virtual machines. You need to ensure that a virtual machine named TheTechBlackBoard\_VM1 is accessible from the Internet over HTTP.

**Solution:** You modify a DDoS protection plan.

Does this meet the goal?

Yes

No

191

New

Your company plans to deploy several web servers and several database servers to Azure. You need to recommend an Azure solution to limit the types of connections from the web servers to the database servers.

What should you include in the recommendation?

- a) network security groups (NSGs)
- b) Azure Service Bus
- c) a local network gateway
- d) a route filter

