Microsoft

Exam Questions AZ-304

Microsoft Azure Architect Design (beta)

About Exambible

Your Partner of IT Exam

Found in 1998

Exambible is a company specialized on providing high quality IT exam practice study materials, especially Cisco CCNA, CCDA, CCNP, CCIE, Checkpoint CCSE, CompTIA A+, Network+ certification practice exams and so on. We guarantee that the candidates will not only pass any IT exam at the first attempt but also get profound understanding about the certificates they have got. There are so many alike companies in this industry, however, Exambible has its unique advantages that other companies could not achieve.

Our Advances

* 99.9% Uptime

    All examinations will be up to date.

* 24/7 Quality Support

    We will provide service round the clock.

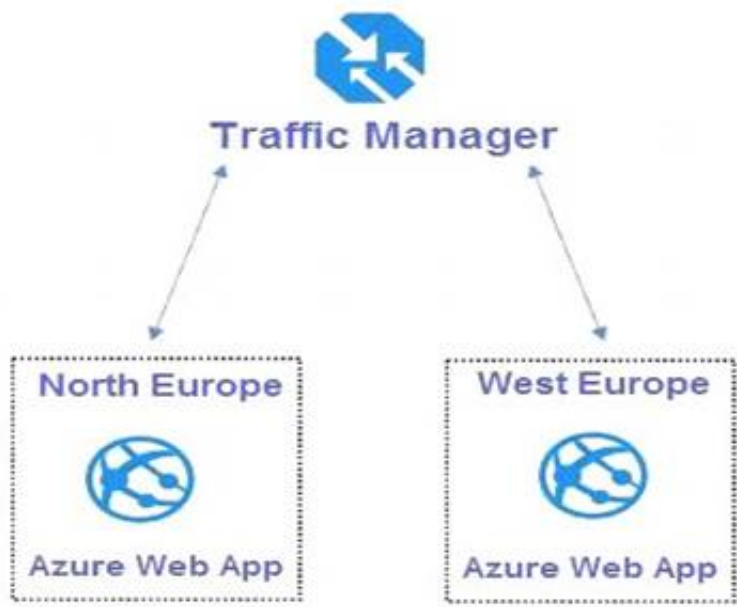* 100% Pass Rate

    Our guarantee that you will pass the exam.

* Unique Gurantee

    If you do not pass the exam at the first time, we will not only arrange FULL REFUND for you, but also provide you another exam of your claim, ABSOLUTELY FREE!

NEW QUESTION 1
- (Exam Topic 1)
You design a solution for the web tier of WebApp1 as shown in the exhibit.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Yes
Any new deployments to Azure must be redundant in case an Azure region fails.
Traffic Manager uses DNS to direct client requests to the most appropriate service endpoint based on a
traffic-routing method and the health of the endpoints. An endpoint is any Internet-facing service hosted inside or outside of Azure. Traffic Manager provides a
range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models. Traffic Manager is resilient to
failure, including the failure of an entire Azure region.
Box 2: Yes
Recent changes in Azure brought some significant changes in autoscaling options for Azure Web Apps (i.e. Azure App Service to be precise as scaling happens
on App Service plan level and has effect on all Web Apps running in that App Service plan).
Box 3: No
Traffic Manager provides a range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models.
Traffic Manager is resilient to failure, including the failure of an entire Azure region.
Reference:
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview https://blogs.msdn.microsoft.com/hsirtl/2017/07/03/autoscaling-azure-web-apps/

NEW QUESTION 2
- (Exam Topic 1)
You need to recommend a strategy for migrating the database content of WebApp1 to Azure. What should you include in the recommendation?

A. Use Azure Site Recovery to replicate the SQL servers to Azure.
B. Use SQL Server transactional replication.
C. Copy the BACPAC file that contains the Azure SQL database file to Azure Blob storage.
D. Copy the VHD that contains the Azure SQL database files to Azure Blob storage

Answer: D

Explanation:
Before you upload a Windows virtual machine (VM) from on-premises to Azure, you must prepare the virtual hard disk (VHD or VHDX).
Scenario: WebApp1 has a web tier that uses Microsoft Internet Information Services (IIS) and a database tier that runs Microsoft SQL Server 2016. The web tier
and the database tier are deployed to virtual machines that run on Hyper-V. Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/prepare-for-upload-vhd-image

NEW QUESTION 3
- (Exam Topic 1)
You are evaluating the components of the migration to Azure that require you to provision an Azure Storage account.
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	◯	◯
You must provision an Azure Storage account for the Web site content storage.	◯	◯
You must provision an Azure Storage account for the Database metric monitoring.	◯	◯

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	◉	◯
You must provision an Azure Storage account for the Web site content storage.	◯	◉
You must provision an Azure Storage account for the Database metric monitoring.	◉	◯

NEW QUESTION 4
- (Exam Topic 1)
To meet the authentication requirements of Fabrikam, what should you include in the solution? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Minimum number of Azure AD tenants: [▼]
0
1
2
3
4

Minimum number of custom domains to add: [▼]
0
1
2
3
4

Minimum number of conditional access policies to create: [▼]
0
1
2
3
4

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: 2
The network contains two Active Directory forests named corp.fabrikam.com and rd.fabrikam.com. There are no trust relationships between the forests.
Box 2: 1
Box 3: 1
Scenario:
Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.
Administrators must be able authenticate to the Azure portal by using their corp.fabrikam.com credentials. All administrative access to the Azure portal must be

secured by using multi-factor authentication.
Note:
Users must always authenticate by using their corp.fabrikam.com UPN identity.
The network contains two Active Directory forests named corp.fabrikam.com and rd.fabrikam.com. There are no trust relationships between the forests.
Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication.
Rd.fabrikam.com is used by the research and development (R&D) department only.

NEW QUESTION 5
- (Exam Topic 2)
You need to design a solution for securing access to the historical transaction data.
What should you include in the solution? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

The Azure Cosmos DB account will be used to:

▼
Create users and generate resource tokens
Create users and request resource tokens
Generate resource tokens and perform authentication
Request resource tokens and perform authentication

The .NET web service will be used to:

▼
Create users and generate resource tokens
Create users and request resource tokens
Generate resource tokens and perform authentication
Request resource tokens and perform authentication

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

The Azure Cosmos DB account will be used to:

▼
Create users and generate resource tokens
Create users and request resource tokens
Generate resource tokens and perform authentication
Request resource tokens and perform authentication

The .NET web service will be used to:

▼
Create users and generate resource tokens
Create users and request resource tokens
Generate resource tokens and perform authentication
Request resource tokens and perform authentication

NEW QUESTION 6
- (Exam Topic 2)
You need to recommend a solution for protecting the content of the back-end tier of the payment processing system.
What should you include in the recommendations?

A. Always Encrypted with deterministic encryption
B. Transparent Date Encryption (TDE)
C. Azure Storage Service Encryption
D. Always Encrypted with randomized encryption

Answer: A

NEW QUESTION 7
- (Exam Topic 2)
You need to recommend a solution for data of the historical transaction query system.
What should you include in the recommendation? To answer, Select the appropriate or options in the answer area.
NOTE: Each correct selection is worth one point

Answer Area

Sizing requirements:

A table that has unlimited capacity
A table that has a fixed capacity
Multiple tables that have unlimited capacity
Multiple tables that have fixed capacity

Resiliency:

An additional read region
An availability set
An availability zone

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Sizing requirements:

A table that has unlimited capacity
A table that has a fixed capacity
Multiple tables that have unlimited capacity
Multiple tables that have fixed capacity

Resiliency:

An additional read region
An availability set
An availability zone

NEW QUESTION 8
- (Exam Topic 2)
You need to recommend a backup solution for the data store of the payment processing system.
What should you include in the recommendation?

A. Microsoft System Center Data Protection Manager (DPM)
B. Azure Backup Server
C. Azure SQL long-term backup retention
D. Azure Managed Disks

Answer: C

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/sql-database/sql-database-long-term-backup-retention-configure

NEW QUESTION 9
- (Exam Topic 3)
You have an Azure App Service Web App that includes Azure Blob storage and an Azure SQL Database instance. The application is instrumented by using the Application Insights SDK.
You need to design a monitoring solution for the web app.
Which Azure monitoring services should you use? To answer, select the appropriate Azure monitoring services in the answer area.
NOTE: Each correct selection is worth one point.

Scenario	Azure monitoring service
Correlate Azure resource usage and performance data with application configuration and performance data.	▼ Azure Application Insights / Azure Service Map / Azure Monitor Logs / Azure Activity Log
Visualize the relationships between application components.	▼ Azure Application Insights / Azure Service Map / Azure Monitor Logs / Azure Activity Log
Track requests and exceptions to a specific line of code within the application.	▼ Azure Application Insights / Azure Service Map / Azure Monitor Logs / Azure Activity Log
Analyze how many users return to the application and how often they select a particular dropdown value.	▼ Azure Application Insights / Azure Service Map / Azure Monitor Logs / Azure Activity Log

A. Mastered
B. Not Mastered

Answer: A

Explanation:
* 1. Azure Monitor Log
* 2. Azure Application Insights (application map in App insights)
* 3. Azure Application Insights
* 4. Azure Application insights
https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-map?tabs=net https://docs.microsoft.com/en-us/azure/azure-monitor/insights/service-map

NEW QUESTION 10
- (Exam Topic 3)
You have 70 TB of files on your on-premises file server.
You need to recommend solution for importing data to Azure. The solution must minimize cost. What Azure service should you recommend?

A. Azure StorSimple
B. Azure Batch
C. Azure Data Box
D. Azure Stack

Answer: C

Explanation:
Microsoft has engineered an extremely powerful solution that helps customers get their data to the Azure public cloud in a cost-effective, secure, and efficient manner with powerful Azure and machine learning at play. The solution is called Data Box.
Data Box and is in general availability status. It is a rugged device that allows organizations to have 100 TB of capacity on which to copy their data and then send it to be transferred to Azure.
Reference:
https://www.vembu.com/blog/what-is-microsoft-azure-data-box-disk-edge-heavy-gateway-overview/

NEW QUESTION 10
- (Exam Topic 3)
Your company plans to publish APIs for its services by using Azure API Management. You discover that service responses include the AspNet-Version header.
You need to recommend a solution to remove AspNet-Version from the response of the published APIs. What should you include in the recommendation?

A. a new product
B. a modification to the URL scheme

C. a new policy
D. a new revision

Answer: C

Explanation:
 References:
https://docs.microsoft.com/en-us/azure/api-management/transform-api

NEW QUESTION 14
- (Exam Topic 3)
You have an on-premises Hyper-V cluster. The cluster contains Hyper-V hosts that run Windows Server 2016 Datacenter. The hosts are licensed under a Microsoft Enterprise Agreement that has Software Assurance.
The Hyper-V cluster hosts 3 virtual machines that run Windows Server 2012 R2. Each virtual machine runs a different workload. The workloads have predictable consumption patterns.
You plan to replace the virtual machines with Azure virtual machines that run Windows Server 2016. The virtual machines will be sized according to the consumption pattern of each workload.
You need to recommend a solution to minimize the compute costs of the Azure virtual machines.
Which two recommendations should you include in the solution? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Purchase Azure Reserved Virtual Machine Instances for the Azure virtual machines
B. Create a virtual machine scale set that uses autoscaling
C. Configure a spending limit in the Azure account center
D. Create a lab in Azure DevTest Labs and place the Azure virtual machines in the lab
E. Activate Azure Hybrid Benefit for the Azure virtual machines

Answer: AE

Explanation:
Reference:
https://azure.microsoft.com/en-us/pricing/reserved-vm-instances/ https://docs.microsoft.com/en-us/azure/virtual-machines/windows/hybrid-use-benefit-licensing

NEW QUESTION 19
- (Exam Topic 3)
You are designing a storage solution that will use Azure Blob storage. The data will be stored in a cool access tier or an archive access tier based on the access patterns of the data.
You identify the following types of infrequently accessed data: Telemetry data: Deleted after two years D18912E1457D5D1DDCBD40AB3BF70D5D
> Promotional material: Deleted after 14 days
> Virtual machine audit data: Deleted after 200 days
> A colleague recommends using the archive access tier to store the data. Which statement accurately describes the recommendation?

A. Storage costs will be based on a minimum of 30 days.
B. Access to the data is guaranteed within five minutes.
C. Access to the data is guaranteed within 30 minutes.
D. Storage costs will be based on a minimum of 180 days.

Answer: D

Explanation:
The following table shows a comparison of premium performance block blob storage, and the hot, cool, and archive access tiers.

	Premium performance	Hot tier	Cool tier	Archive tier
Availability	99.9%	99.9%	99%	Offline
Availability (RA-GRS reads)	N/A	99.99%	99.9%	Offline
Usage charges	Higher storage costs, lower access, and transaction cost	Higher storage costs, lower access, and transaction costs	Lower storage costs, higher access, and transaction costs	Lowest storage costs, highest access, and transaction costs
Minimum object size	N/A	N/A	N/A	N/A
Minimum storage duration	N/A	N/A	30 days[1]	180 days
Latency (Time to first byte)	Single-digit milliseconds	milliseconds	milliseconds	hours[2]

Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers

NEW QUESTION 20
- (Exam Topic 3)
You have an on-premises network that uses on IP address space of 172.16.0.0/16 You plan to deploy 25 virtual machines to a new azure subscription.
You identity the following technical requirements.

➢ All Azure virtual machines must be placed on the same subnet subnet1.

➢ All the Azure virtual machines must be able to communicate with all on premises severs.

➢ The servers must be able to communicate between the on-premises network and Azure by using a site to site VPN.
You need to recommend a subnet design that meets the technical requirements.
What should you include in the recommendation? To answer, drag the appropriate network addresses to the correct subnet. Each network address may be used once, more than once or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Network Addresses

172.16.0.0/16

172.16.1.0/28

192.168.0.0/24

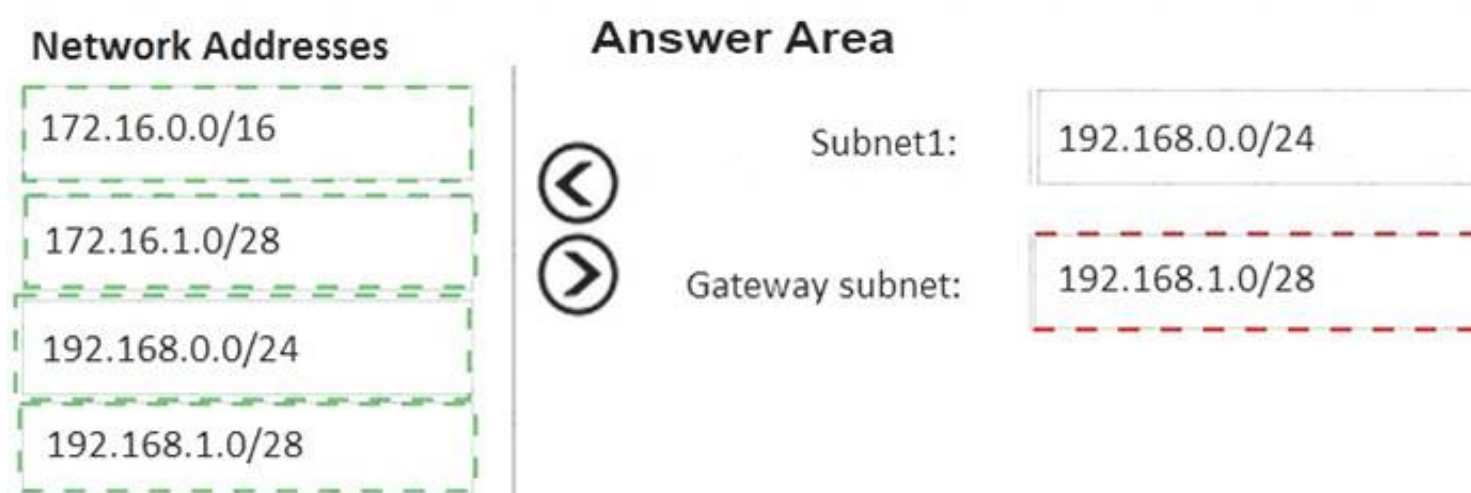192.168.1.0/28

Answer Area

Subnet1:   Network address

Gateway subnet: Network address

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Network Addresses

172.16.0.0/16

172.16.1.0/28

192.168.0.0/24

192.168.1.0/28

Answer Area

Subnet1: 192.168.0.0/24

Gateway subnet: 192.168.1.0/28

NEW QUESTION 25
- (Exam Topic 3)
You have an Azure subscription that is linked to an Azure Active Directory (Azure AD) tenant. The subscription contains 10 resource groups, one for each department at your company. Each department has a specific spending limit for its Azure resources.
You need to ensure that when a department reaches its spending limit, the compute resources of the department shut down automatically.
Which two features should you include in the solution? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Azure Logic Apps
B. Azure Monitor alerts
C. the spending limit of an Azure account
D. Cost Management budgets
E. Azure Log Analytics alerts

Answer: CD

Explanation:
C: The spending limit in Azure prevents spending over your credit amount. All new customers who sign up for an Azure free account or subscription types that include credits over multiple months have the spending limit turned on by default. The spending limit is equal to the amount of credit and it can't be changed.
D: Turn on the spending limit after removing
This feature is available only when the spending limit has been removed indefinitely for subscription types that include credits over multiple months. You can use this feature to turn on your spending limit automatically at the start of the next billing period.
≫ Sign in to the Azure portal as the Account Administrator.
≫ Search for Cost Management + Billing.
≫ Etc.
Reference:
https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/spending-limit

---

NEW QUESTION 29
- (Exam Topic 3)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it As a result, these questions will not appear In the review screen.
You have an on-premises Hyper-V cluster that hosts 20 virtual machines. Some virtual machines run Windows Server 2016 and some run Linux.
You plan to migrate the virtual machines to an Azure subscription.
You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.
Solution: You recommend implementing an Azure Storage account and then running AzCopy. Does this meet the goal?

A. Yes
B. NO

Answer: B

Explanation:
AzCopy only copy files, not the disks. Instead use Azure Site Recovery. References:
https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview

---

NEW QUESTION 31
- (Exam Topic 3)
You are planning to deploy an application named App1 that will run in containers on Azure Kubernetes Service (AKS) clusters. The AKS clusters will be distributed across four Azure regions.
You need to recommend a storage solution for App1. Updated container images must be replicated automatically to all the AKS clusters.
Which storage solution should you recommend?

A. Premium SKU Azure Container Registry
B. Azure Content Delivery Network (CDN)
C. geo redundant storage (GRS) accounts
D. Azure Cache for Redis

Answer: A

Explanation:
Enable geo-replication for container images.
Best practice: Store your container images in Azure Container Registry and geo-replicate the registry to each AKS region.
To deploy and run your applications in AKS, you need a way to store and pull the container images. Container Registry integrates with AKS, so it can securely store your container images or Helm charts. Container Registry supports multimaster geo-replication to automatically replicate your images to Azure regions around the world.
Geo-replication is a feature of Premium SKU container registries. Note:
When you use Container Registry geo-replication to pull images from the same region, the results are: Faster: You pull images from high-speed, low-latency network connections within the same Azure region.
More reliable: If a region is unavailable, your AKS cluster pulls the images from an available container registry.
Cheaper: There's no network egress charge between datacenters. Reference:
https://docs.microsoft.com/en-us/azure/aks/operator-best-practices-multi-region

NEW QUESTION 32
- (Exam Topic 3)
You have an Azure subscription that contains resources in three Azure regions. You need to implement Azure Key Vault to meet the following requirements:
D18912E1457D5D1DDCBD40AB3BF70D5D

≫ In the event of a regional outage, all keys must be readable.

≫ All the resources in the subscription must be able to access Key Vault.

≫ The number of Key Vault resources to be deployed and managed must be minimized. How many instances of Key Vault should you implement?

A. 1
B. 2
C. 3
D. 6

Answer: A

Explanation:
The contents of your key vault are replicated within the region and to a secondary region at least 150 miles away but within the same geography. This maintains high durability of your keys and secrets. See the Azure paired regions document for details on specific region pairs.
Example: Secrets that must be shared by your application in both Europe West and Europe North. Minimize these as much as you can. Put these in a key vault in either of the two regions. Use the same URI from both regions. Microsoft will fail over the Key Vault service internally.
Reference:
https://docs.microsoft.com/en-us/azure/key-vault/general/disaster-recovery-guidance

NEW QUESTION 37
- (Exam Topic 3)
You are developing a web application that provides streaming video to users. You configure the application to use continuous integration and deployment.
The app must be highly available and provide a continuous streaming experience for users.
You need to recommend a solution that allows the application to store data in a geographical location that is closest to the user.
What should you recommend?

A. Azure App Service Web Apps
B. Azure App Service Isolated
C. Azure Redis Cache
D. Azure Content Delivery Network (CDN)

Answer: D

Explanation:
Azure Content Delivery Network (CDN) is a global CDN solution for delivering high-bandwidth content. It can be hosted in Azure or any other location. With Azure CDN, you can cache static objects loaded from Azure Blob storage, a web application, or any publicly accessible web server, by using the closest point of presence (POP) server. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network and routing optimizations.
References:
https://docs.microsoft.com/en-in/azure/cdn/

NEW QUESTION 39
- (Exam Topic 3)
You need to design a solution that will execute custom C# code in response to an event routed to Azure Event Grid. The solution must meet the following requirements:
The executed code must be able to access the private IP address of a Microsoft SQL Server instance that runs on an Azure virtual machine.
Costs must be minimized.
What should you include in the solution?

A. Azure Logic Apps in the integrated service environment
B. Azure Functions in the Dedicated plan and the Basic Azure App Service plan
C. Azure Logic Apps in the Consumption plan
D. Azure Functions in the Consumption plan

Answer: D

Explanation:
When you create a function app in Azure, you must choose a hosting plan for your app. There are three basic hosting plans available for Azure Functions:
Consumption plan, Premium plan, and Dedicated (App Service) plan.
For the Consumption plan, you don't have to pay for idle VMs or reserve capacity in advance. Connect to private endpoints with Azure Functions
As enterprises continue to adopt serverless (and Platform-as-a-Service, or PaaS) solutions, they often need a way to integrate with existing resources on a virtual network. These existing resources could be databases, file storage, message queues or event streams, or REST APIs.
Reference:

https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale https://techcommunity.microsoft.com/t5/azure-functions/connect-to-private-endpoints-with-azure-functions/ba-p

NEW QUESTION 44
- (Exam Topic 3)
Your company purchases an app named App1.
You plan to tun App1 on seven Azure virtual machines In an Availability Set. The number of fault domains is set to 3. The number of update domains is set to 20.
You need to identity how many App1 instances will remain available during a period of planned maintenance. How many Appl instances should you identify?

A. 1
B. 2
C. 6
D. 7

Answer: C

Explanation:
Only one update domain is rebooted at a time. Here there are 7 update domain with one VM each (and 13 update domain with no VM).
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/manage-availability

NEW QUESTION 47
- (Exam Topic 3)
Your company has users who work remotely from laptops.
You plan to move some of the applications accessed by the remote users to Azure virtual machines. The users will access the applications in Azure by using a point-to-site VPN connection. You will use certificates generated from an on-premises-based certification authority (CA).
You need to recommend which certificates are required for the deployment.
What should you include in the recommendation? To answer, drag the appropriate certificates to the correct targets. Each certificate may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 51
- (Exam Topic 3)
You need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:
• Provide access to the full .NET framework.
• Provide redundancy if an Azure region fails.
• Grant administrators access to the operating system to install custom application dependencies. Solution: You deploy a web app in an Isolated App Service plan.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead, you should deploy an Azure virtual machine to two Azure regions, and you create a Traffic Manager profile.

NEW QUESTION 56
- (Exam Topic 3)
You are designing a message application that will run on an on-premises Ubuntu virtual machine. The application will use Azure Storage queues.
You need to recommend a processing solution for the application to interact with the storage queues. The solution must meet the following requirements:

> Create and delete queues daily.

> Be scheduled by using a CRON job.

> Upload messages every five minutes.
What should developers use to interact with the queues?

A. Azure CLI
B. AzCopy
C. Azure Data Factory
D. .NET Core

Answer: D

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/storage/queues/storage-tutorial-queues

NEW QUESTION 60
......

Relate Links

100% Pass Your AZ-304 Exam with Exambible Prep Materials

https://www.exambible.com/AZ-304-exam/

Contact us

We are proud of our high-quality customer service, which serves you around the clock 24/7.

Viste - https://www.exambible.com/