Vendor: Microsoft

Exam Code: AZ-301

Exam Name: Microsoft Azure Architect Design

Version: DEMO

QUESTION 1
Case Study 1 - Fabnkam

Overview:
Existing Environment
Active Directory Environment:
The network contains two Active Directory forests named corp.fabnkam.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.

You need to recommend a data storage strategy for WebApp1.
What should you include in in the recommendation?

A. an Azure SQL Database elastic pool
B. a vCore-baswl A/we SQL database
C. an Azure virtual machine that runs SQL Server
D. a fixed-size DTU AzureSQL database.

Answer: D

QUESTION 2
Case Study 2 - Contoso,Ltd

Overview
Contoso,Ltd is a US-base finance service company that has a main office New York and an office in San Francisco.

Payment Processing Query System
Contoso hosts a business critical payment processing system in its New York data center. The system has three tiers a front-end web app a middle -tier API and a back end data store implemented as a Microsoft SQL Server 2014 database All servers run Windows Server 2012 R2. The front -end and middle net components are hosted by using Microsoft Internet Inform-non Services (IK) The application rode is written in C# and middle- tier API uses the Entity framework to communicate the SQL Server database. Maintenance of the database e performed by using SQL Server Ago-

You need to recommend a backup solution for the data store of the payment processing.
What should you include in the recommendation?
A Microsoft System Center Data Protection Manager (DPM)

A. long-term retention
B. a Recovery Services vault
C. Azure Backup Server

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

QUESTION 3
You plan to deploy 200 Microsoft SQL Server databases to Azure by using SQL Database and

Azure SQL Database Managed Instance.
You need to recommend a monitoring solution that provides a consistent monitoring approach for all deployments The solution must meet the following requirements:

- Support current-state analysis on metrics collected near -real-time
multiple times per minutes and maintained for up to one hour.
- Support longer term analysis based on metrics collected multiple
timer per hour and maintained for up two weeks.
- Support monitoring of the number of concurrent logins and concurrent
sessions.

What should you include in the recommendation?

A. Azure Monitor
B. dynamic management views
C. SQL Server-Profiler
D. trace flags

Answer: D

QUESTION 4
You have an Azure Contoso DB account named Account1 that has one write region and four read regions.
You need to recommend a solution to ensure that, by default, any reads containers in Account1 will never see out writes. The solution must minimize costs.
What should you recommend?

A. Configure Account1 to use the Strong consistency level.
B. Create all the containers m Account1 as fixed.
C. Create all the containers m Account1 as unlimited.
D. Configure Account 1 to use the Consistent Prefix consistency level

Answer: A

QUESTION 5
You use Azure virtual machines to run a custom application that uses an Azure SQL database on the back end.
The IT apartment at your company recently enabled forced tunneling, Since the configuration change, developers have noticed degraded performance when they access the database
You need to recommend a solution to minimize latency when accessing the database. The solution must minimize costs.
What should you include in the recommendation?

A. Azure SQL Database Managed instance
B. Azure virtual machines that run Microsoft SQL Server servers
C. Always On availability groups
D. virtual network service endpoint

Answer: D

QUESTION 6

You have 100 Microsoft SQL Server Integration Services (SSISJ packages that are configuted to use 10 on-premrees SQ1 Server databases as their destinations. You plan to migrate the 10 on-premises databases to Azure SQL Database. You need to recommend a solution to host the SS1S packages in Azure. The solution must ensure that the packages can target the SQL Database instances as the* destinations.
What should you include m the recommendation?

A. Azure Data Catalog
B. SQL Server Migration Assistant (SSMS)
C. Data Migration Assistant
D. Azure Data Factory
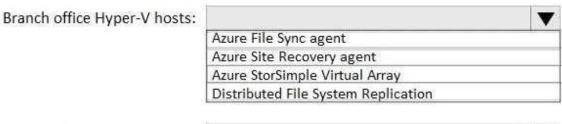
Answer: A

QUESTION 7
Hotspot Question

Your company has three branch offices and an Azure subscription. Each branch office contains a Hyper-V host that hosts application servers.
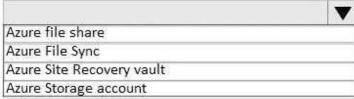You need to recommend a storage solution for the branch offices. The solution must ensure that the application servers can connect to a central storage device by using iSCSI connections.
Data saved to the iSCSI storage device from the application servers must be uploaded to Azure automatically.
Which components should you include in the recommendation? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Branch office Hyper-V hosts:

Azure File Sync agent
Azure Site Recovery agent
Azure StorSimple Virtual Array
Distributed File System Replication

Azure subscription:

Azure file share
Azure File Sync
Azure Site Recovery vault
Azure Storage account

Answer:

Branch office Hyper-V hosts:

Azure File Sync agent
Azure Site Recovery agent
Azure StorSimple Virtual Array
Distributed File System Replication

Azure subscription:

Azure file share
Azure File Sync
Azure Site Recovery vault
Azure Storage account

Explanation:
References:
https://docs.microsoft.com/en-us/azure/storsimple/storsimple-ova-overview

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