Vendor: Microsoft

Exam Code: AZ-304

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
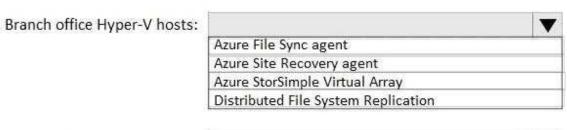D. Azure Data Factory

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.
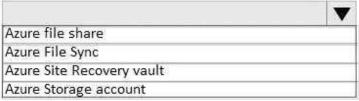You need to recommend a storage solution for the branch offices. The solution must ensure that the application servers can connect to a central storage device by using iSCSI connections.
Data saved to the iSCSI storage device from the application servers must be uploaded to Azure automatically.
Which 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

QUESTION 8
You have an Azure subscription that contains resources in three Azure regions.

You need to implement Azure Key Vault to meet the following requirements:

```
- 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

QUESTION 9
You have an Azure Active Directory (Azure AD) tenant.

You plan to provide users with access to shared files by using Azure Storage. The users will be provided with different levels of access to various Azure file shares based on their user account or their group membership.

You need to recommend which additional Azure services must be used to support the planned deployment.

What should you include in the recommendation?

A. an Azure AD enterprise application
B. Azure Information Protection
C. an Azure AD Domain Services (Azure AD DS) instance
D. an Azure Front Door instance

Answer: C
Explanation:
Azure Filessupports identity-based authentication over Server Message Block (SMB) throughtwo types of Domain Services: on-premises Active Directory Domain Services (AD DS) and Azure Active Directory Domain Services (Azure AD DS).
Reference:
https://docs.microsoft.com/en-us/azure/storage/files/storage-files-identity-auth-active-directory-domain-service-enable

QUESTION 10
Hotspot Question

You have an existing implementation of Microsoft SQL Server Integration Services (SSIS) packages stored in an SSISDB catalog on your on-premises network. The on-premises network does not have hybrid connectivity to Azure by using Site-to-Site VPN or ExpressRoute.
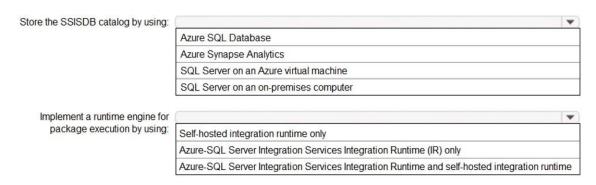
You want to migrate the packages to Azure Data Factory.

You need to recommend a solution that facilitates the migration while minimizing changes to the existing packages. The solution must minimize costs.

What should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Store the SSISDB catalog by using:

Azure SQL Database
Azure Synapse Analytics
SQL Server on an Azure virtual machine
SQL Server on an on-premises computer

Implement a runtime engine for package execution by using:

Self-hosted integration runtime only
Azure-SQL Server Integration Services Integration Runtime (IR) only
Azure-SQL Server Integration Services Integration Runtime and self-hosted integration runtime

Answer:

Answer Area

Store the SSISDB catalog by using:

Azure SQL Database
Azure Synapse Analytics
SQL Server on an Azure virtual machine
SQL Server on an on-premises computer

Implement a runtime engine for package execution by using:

Self-hosted integration runtime only
Azure-SQL Server Integration Services Integration Runtime (IR) only
Azure-SQL Server Integration Services Integration Runtime and self-hosted integration runtime

Explanation:
Box 1: Azure SQL database
You can't create the SSISDB Catalog database on Azure SQL Database at this time independently of creating the Azure-SSIS Integration Runtime in Azure Data Factory. The Azure-SSIS IR is the runtime environment that runs SSIS packages on Azure.

Box 2: Azure-SQL Server Integration Service Integration Runtime and self-hosted integration runtime

The Integration Runtime (IR) is the compute infrastructure used by Azure Data Factory to provide data integration capabilities across different network environments. Azure-SSIS Integration Runtime (IR) in Azure Data Factory (ADF) supports running SSIS packages.

Self-hosted integration runtime can be used for data movement in this scenario.

Reference:
https://docs.microsoft.com/en-us/azure/data-factory/create-azure-integration-runtime
https://docs.microsoft.com/en-us/sql/integration-services/lift-shift/ssis-azure-connect-to-catalog-database

Thank You for Trying Our Product

Braindump2go Certification Features:

★ More than **99,900** Satisfied Customers Worldwide.

★ Average **99.9%** Success Rate.

★ **Free Update** to match latest and real exam scenarios.

★ **Instant Download** Access! No Setup required.

★ Questions & Answers are downloadable in **PDF** format and **VCE** test engine format.

★ Multi-Platform capabilities - **Windows, Laptop, Mac, Android, iPhone, iPod, iPad**.

★ **100%** Guaranteed Success or **100%** Money Back Guarantee.

★ **Fast**, helpful support **24x7**.

View list of all certification exams: http://www.braindump2go.com/all-products.html

10% Discount Coupon Code: **ASTR14**