Application1:

BlobStorage with Standard performance, Hot access tier, and Read-access geo-redundant storage (RA-GRS) replication
BlockBlobStorage with Premium performance and Zone-redundant storage (ZRS) replication
General purpose v1 with Premium performance and Locally-redundant storage (LRS) replication
General purpose v2 with Standard performance, Hot access tier, and Locally-redundant storage (LRS) replication

Application2:

BlobStorage with Standard performance, Cool access tier, and Geo-redundant storage (GRS) replication
BlockBlobStorage with Premium performance and Zone-redundant storage (ZRS) replication
General purpose v1 with Standard performance and Read-access geo-redundant storage (RA-GRS) replication
General purpose v2 with Standard performance, Cool access tier, and Read-access geo-redundant storage (RA-GRS) replication

Explanation:
Box 1: BloblBlobStorage with Premium performance and Zone-redundant storage (ZRS) replication.
BlockBlobStorage accounts: Storage accounts with premium performance characteristics for block blobs and append blobs. Recommended for scenarios with high transactions rates, or scenarios that use smaller objects or require consistently low storage latency.
Premium: optimized for high transaction rates and single-digit consistent storage latency.

Box 2: General purpose v2 with Standard performance..
General-purpose v2 accounts: Basic storage account type for blobs, files, queues, and tables.
Recommended for most scenarios using Azure Storage.
Reference:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview
https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy

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QUESTION 118
You have the resources shown in the following table.

Name	Type
AS1	Azure Synapse Analytics instance
CDB1	Azure Cosmos DB SQL API account

CDB1 hosts a container that stores continuously updated operational data.
You are designing a solution that will use ASI to analyze the operational data daily.
You need to recommend a solution to analyze the data without affecting the performance of the operational data store.
What should you include in the recommendation?

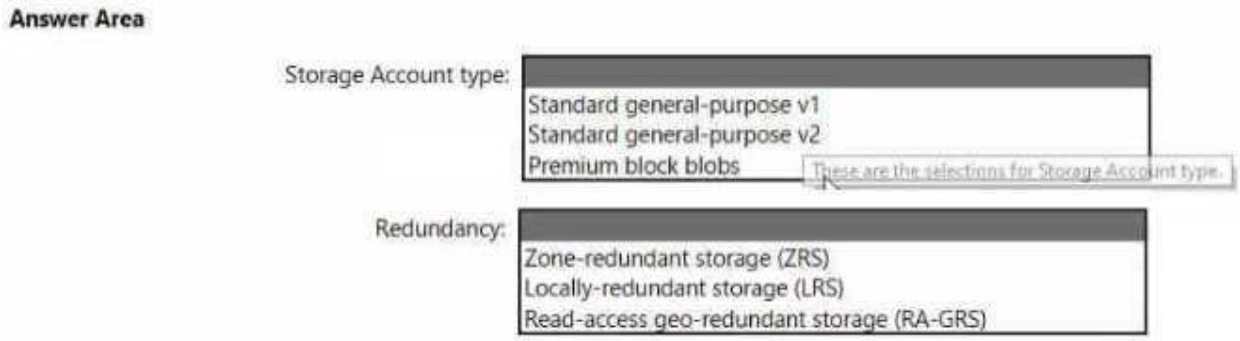
A. Azure Cosmos DB change feed
B. Azure Data Factory with Azure Cosmos DB and Azure Synapse Analytics connectors
C. Azure Synapse Analytics with PolyBase data loading
D. Azure Synapse Link for Azure Cosmos DB

Answer: D

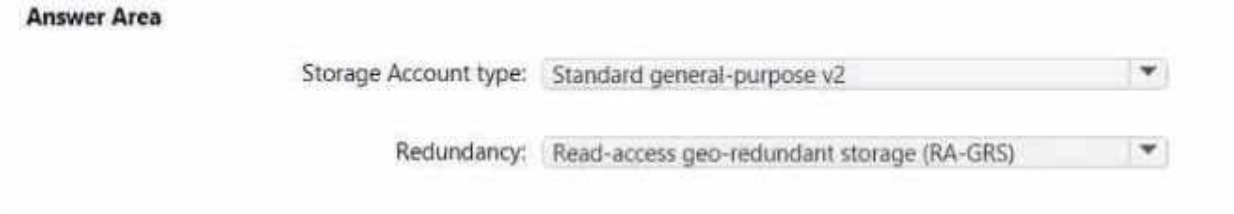
Explanation:

QUESTION 119
HOTSPOT
You plan to develop a new app that will store business critical dat
a. The app must meet the following requirements:
Prevent new data from being modified for one year.
Maximize data resiliency.
Minimize read latency.
What storage solution should you recommend for the app? To answer, select the appropriate options

in the answer area. NOTE: Each correct selection is worth one point.



Answer:



Explanation:

QUESTION 120

HOTSPOT

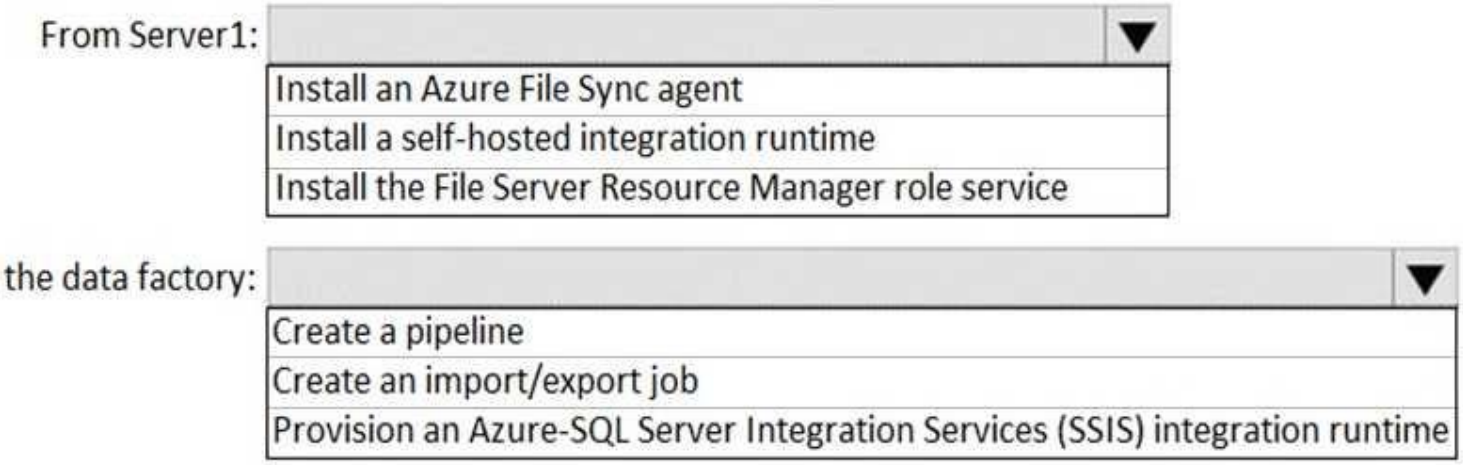
Your on-premises network contains a file server named Server1 that stores 500 GB of data.

You need to use Azure Data Factory to copy the data from Server1 to Azure Storage.

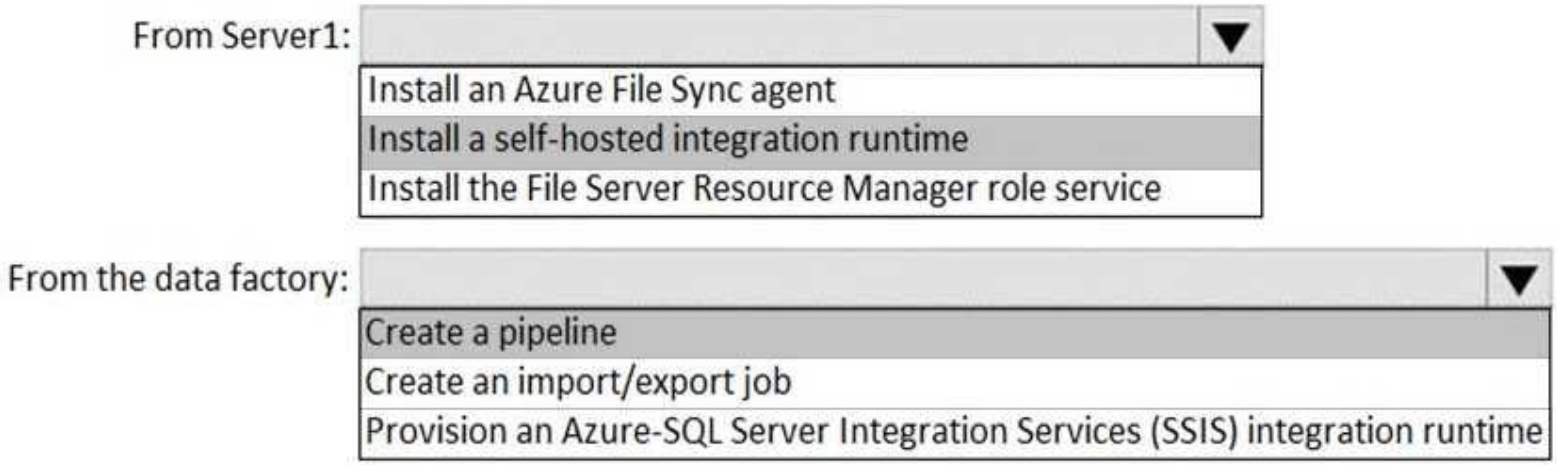
You add a new data factory.

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

NOTE: Each correct selection is worth one point.



Answer:



Explanation:
Box 1: Install a self-hosted integration runtime
The Integration Runtime is a customer-managed data integration infrastructure used by Azure Data Factory to provide data integration capabilities across different network environments.
Box 2: Create a pipeline
With ADF, existing data processing services can be composed into data pipelines that are highly available and managed in the cloud. These data pipelines can be scheduled to ingest, prepare,

transform, analyze, and publish data, and ADF manages and orchestrates the complex data and processing dependencies
Reference:
https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-sqlazure-adf
https://docs.microsoft.com/pl-pl/azure/data-factory/tutorial-hybrid-copy-data-tool
syu31svc 3 months, 4 weeks ago
https://docs.microsoft.com/en-us/azure/data-factory/create-self-hosted-integrationruntime?tabs=data-factory
"A self-hosted integration runtime can run copy activities between a cloud data store and a data store in a private network"
https://docs.microsoft.com/en-us/azure/data-factory/introduction
"With Data Factory, you can use the Copy Activity in a data pipeline to move data from both onpremises and cloud source data stores to a centralization data store in the cloud for further analysis"

QUESTION 121
You store web access logs data in Azure Blob storage.
You plan to generate monthly reports from the access logs.
You need to recommend an automated process to upload the data to Azure SQL Database every month.
What should you include in the recommendation?

A. Azure Data Factory
B. Data Migration Assistant
C. Microsoft SQL Server Migration Assistant (SSMA)
D. AzCopy

Answer: A

Explanation:
Azure Data Factory is the platform that solves such data scenarios. It is the cloud-based ETL and data integration service that allows you to create data-driven workflows for orchestrating data movement and transforming data at scale. Using Azure Data Factory, you can create and schedule data-driven workflows (called pipelines) that can ingest data from disparate data stores. You can build complex ETL processes that transform data visually with data flows or by using compute services such as Azure HDInsight Hadoop, Azure Databricks, and Azure SQL Database.

Reference:
https://docs.microsoft.com/en-gb/azure/data-factory/introduction

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QUESTION 122
Your company has an Azure Web App that runs via the Premium App Service Plan. A development team will be using the Azure Web App. You have to configure the Azure Web app so that it can fulfil the below requirements.
Provide the ability to switch the web app from the current version to a newer version
Provide developers with the ability to test newer versions of the application before the switch to the newer version occurs
Ensure that the application version can be rolled back
Minimize downtime
Which of the following can be used for this requirement?

A. Create a new App Service Plan
B. Make use of deployment slots
C. Map a custom domain
D. Backup the Azure Web App

Answer: B

Explanation:

QUESTION 123
You have to deploy an Azure SQL database named db1 for your company. The databases must meet the following security requirements
When IT help desk supervisors query a database table named customers, they must be able to see the full number of each credit card
When IT help desk operators query a database table named customers, they must only see the last four digits of each credit card number
A column named Credit Card rating in the customers table must never appear in plain text in the database system. Only client applications must be able to decrypt the information that is stored in this column
Which of the following can be implemented for the Credit Card rating column security requirement?

A. Always Encrypted
B. Azure Advanced Threat Protection

C. Transparent Data Encryption
D. Dynamic Data Masking

Answer: A

Explanation:
https://docs.microsoft.com/en-us/sql/relational-databases/security/encryption/always-encrypteddatabase-engine?view=sql-server-ver15

QUESTION 124
You have an Azure Active Directory (Azure AD) tenant that syncs with an on-premises Active Directory domain.
Your company has a line-of-business (LOB) application that was developed internally.
You need to implement. SAML single sign-on (SSO) and enforce multi-factor authentication (MFA) when users attempt to access the application from an unknown location.
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 AD enterprise applications
B. Azure AD Identity Protection
C. Azure Application Gateway
D. Conditional Access policies
E. Azure AD Privileged Identity Management (PIM)

Answer: AD

Explanation:

QUESTION 125
You ate designing an Azure governance solution.
All Azure resources must be easily identifiable based on the following operational information environment, owner, department and cost center
You need 10 ensure that you can use the operational information when you generate reports for the Azure resources.
What should you include in the solution?

A. Azure Active Directory (Azure AD) administrative units

B. an Azure data catalog that uses the Azure REST API as a data source
C. an Azure policy that enforces tagging rules
D. an Azure management group that uses parent groups to create a hierarchy

Answer: C

Explanation:
You use Azure Policy to enforce tagging rules and conventions. By creating a policy, you avoid the scenario of resources being deployed to your subscription that don't have the expected tags for your organization. Instead of manually applying tags or searching for resources that aren't compliant, you create a policy that automatically applies the needed tags during deployment.
Note: Organizing cloud-based resources is a crucial task for IT, unless you only have simple deployments. Use naming and tagging standards to organize your resources for these reasons:
Resource management: Your IT teams will need to quickly locate resources associated with specific workloads, environments, ownership groups, or other important information. Organizing resources is critical to assigning organizational roles and access permissions for resource management.
Reference:
https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/decision-guides/resourcetagging
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-policies

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QUESTION 126
You plan to automate the deployment of resources to Azure subscriptions.
What is a difference between using Azure Blueprints and Azure Resource Manager (ARM) templates?

A. ARM templates remain connected to the deployed resources.
B. Only ARM templates can contain policy definitions.
C. Blueprints remain connected to the deployed resources.
D. Only Blueprints can contain policy definitions.

Answer: C

Explanation:
With Azure Blueprints, the relationship between the blueprint definition (what should be deployed) and the blueprint assignment (what was deployed) is preserved. This connection supports improved tracking and auditing of deployments. Azure Blueprints can also upgrade several subscriptions at once that are governed by the same blueprint.
Reference:

https://docs.microsoft.com/en-us/answers/questions51/how-is-azure-blue-prints-different-from-resource-m.html

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QUESTION 127
A company named Contoso, Ltd. has an Azure Active Directory (Azure AD) tenant that is integrated with Microsoft Office 365 and an Azure subscription.
Contoso has an on-premises identity infrastructure. The infrastructure includes servers that run Active Directory Domain Services (AD DS), and Azure AD Connect
Contoso has a partnership with a company named Fabrikam, Inc. Fabrikam has an Active Directory forest and an Office 365 tenant. Fabrikam has the same on-premises identity infrastructure as Contoso.
A team of 10 developers from Fabrikam will work on an Azure solution that will be hosted in the Azure subscription of Contoso. The developers must be added to the Contributor role for a resource in the Contoso subscription.
You need to recommend a solution to ensure that Contoso can assign the role to the 10 Fabrikam developers. The solution must ensure that the Fabrikam developers use their existing credentials to access resources.
What should you recommend?

A. Configure a forest trust between the on-premises Active Directory forests of Contoso and Fabrikam.
B. Configure an organization relationship between the Office 365 tenants of Fabrikam and Contoso.
C. In the Azure AD tenant of Contoso, use MIM to create guest accounts for the Fabrikam developers.
D. Configure an AD FS relying party trust between the fabrikam and Contoso AD FS infrastructures.

Answer: A

Explanation:
Trust configurations - Configure trust from managed forests(s) or domain(s) to the administrative forest
A one-way trust is required from production environment to the admin forest.
Selective authentication should be used to restrict accounts in the admin forest to only logging on to the appropriate production hosts.
Reference:
https://docs.microsoft.com/en-us/windows-server/identity/securing-privileged-access/securingprivileged-access-reference-material

QUESTION 128
You are designing a microservices architecture that will support a web application.
The solution must meet the following requirements:
Allow independent upgrades to each microservice
Deploy the solution on-premises and to Azure
Set policies for performing automatic repairs to the microservices
Support low-latency and hyper-scale operations
You need to recommend a technology.
What should you recommend?

A. Azure Service Fabric
B. Azure Container Service
C. Azure Container Instance
D. Azure Virtual Machine Scale Set

Answer: A

Explanation:
https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-overview

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QUESTION 129
You plan to deploy an Azure App Service web app that will have multiple instances across multiple Azure regions.
You need to recommend a load balancing service for the planned deployment. The solution must meet the following requirements:
Maintain access to the app in the event of a regional outage.
Support Azure Web Application Firewall (WAF).
Support cookie-based affinity.
Support URL routing.
What should you include in the recommendation?

A. Azure Front Door
B. Azure Load Balancer
C. Azure Traffic Manager
D. Azure Application Gateway