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Microsoft Designing Microsoft Azure Infrastructure Solutions Sample Questions (Q211-Q216):

NEW QUESTION # 211


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.

From Server1: 


- Install an Azure File Sync agent
- Install a self-hosted integration runtime
- Install the File Server Resource Manager role service

From the data factory: 


- Create a pipeline
- Create an import/export job
- Provision an Azure-SQL Server Integration Services (SSIS) integration runtime

Answer:

Explanation:

From Server1: 


- Install an Azure File Sync agent
- Install a self-hosted integration runtime
- Install the File Server Resource Manager role service

From the data factory: 


- Create a pipeline
- Create an import/export job
- Provision an Azure-SQL Server Integration Services (SSIS) integration runtime

Explanation

Graphical user interface, text, application, email Description automatically generated

From Server1: 

- Install an Azure File Sync agent
- Install a self-hosted integration runtime
- Install the File Server Resource Manager role service

From the data factory: 

- Create a pipeline
- Create an import/export job
- Provision an Azure-SQL Server Integration Services (SSIS) integration runtime

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 References:

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-sql-azure-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-integration-runtime?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 on-premises and cloud source data stores to a centralization data store in the cloud for further analysis"

NEW QUESTION # 212

You are planning an Azure solution that will host production databases for a high-performance application. The solution will include the following components:

Two virtual machines that will run Microsoft SQL Server 2016, will be deployed to different data centers in the same Azure region, and will be part of an Always On availability group.

SQL Server data that will be backed up by using the Automated Backup feature of the SQL Server IaaS Agent Extension (SQLIaaSExtension) You identify the storage priorities for various data types as shown in the following table.

Data type	Storage priority
Operating system	Speed and availability
Databases and logs	Speed and availability
Backups	Lowest cost

Which storage type should you recommend for each data type? To answer, drag the appropriate storage types to the correct data types. Each storage type 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.

Storage Types	Answer Area
A geo-redundant storage (GRS) account	Operating system: <input type="text"/>
A locally-redundant storage (LRS) account	Databases and logs: <input type="text"/>
A premium managed disk	Backups: <input type="text"/>
A standard managed disk	

Answer:

Explanation:

Storage Types	Answer Area
A geo-redundant storage (GRS) account	Operating system: A premium managed disk
A locally-redundant storage (LRS) account	Databases and logs: A premium managed disk
A premium managed disk	Backups: A locally-redundant storage (LRS) account
A standard managed disk	

NEW QUESTION # 213

You are designing a cost-optimized solution that uses Azure Batch to run two types of jobs on Linux nodes.

The first job type will consist of short-running tasks for a development environment. The second job type will consist of long-running Message Passing Interface (MPI) applications for a production environment that requires timely job completion.

You need to recommend the pool type and node type for each job type. The solution must minimize compute charges and leverage Azure Hybrid Benefit whenever possible.

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

NOTE: Each correct selection is worth one point.

Answer Area

First job:
 Batch service and dedicated virtual machines
 User subscription and dedicated virtual machines
 User subscription and low-priority virtual machines

Second job:
 Batch service and dedicated virtual machines
 User subscription and dedicated virtual machines
 User subscription and low-priority virtual machines

Answer:

Explanation:

Answer Area

First job:
 Batch service and dedicated virtual machines
 User subscription and dedicated virtual machines
 User subscription and low-priority virtual machines

Second job:
 Batch service and dedicated virtual machines
 User subscription and dedicated virtual machines
 User subscription and low-priority virtual machines

Explanation:

Answer Area

First job:

Second job:

NEW QUESTION # 214

You have a multi-tier app named App1 and an Azure SQL database named SQL1. The backend service of App1 writes data to Users use the App1 client to read the data from SQL1. During periods of high utilization the users experience delays retrieving the data. You need to minimize how long it takes for data requests. What should you include in the solution?

- A. Azure Synapse Analytics
- **B. Azure Cache for Redis**
- C. Azure Data Factory
- D. Azure Content Delivery Network (CDN)

Answer: B

Explanation:

<https://learn.microsoft.com/en-us/azure/azure-cache-for-redis/cache-overview> Azure Cache for Redis provides an in-memory data store based on the Redis software. Redis improves the performance and scalability of an application that uses backend data stores heavily.

It's able to process large volumes of application requests by keeping frequently accessed data in the server memory, which can be written to and read from quickly. Redis brings a critical low- latency and high-throughput data storage solution to modern applications.

NEW QUESTION # 215

Your organization has developed and deployed several Azure App Service Web and API applications. The applications use Azure Key Vault to store several authentication, storage account, and data encryption keys. Several departments have the following requests to support the applications:

Department	Request
Security	<ul style="list-style-type: none"> Review membership of administrative roles and require to provide a justification for continued membership Get alerts about changes in administrator assignments. See a history of administrator activation, including which changes administrators made to Azure resources.
Development	<ul style="list-style-type: none"> Enable the applications to access Azure Key Vault and retrieve keys for use in code.
Quality Assurance	<ul style="list-style-type: none"> Receive temporary administrator access to create and configure additional Web and API applications in the test environment.

You need to recommend the appropriate Azure service for each department request.

What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

Security

▼

Azure AD Privileged Identity Management
Azure AD Managed Service Identity
Azure AD Connect
Azure AD Identity Protection

Development

▼

Azure AD Privileged Identity Management
Azure AD Managed Service Identity
Azure AD Connect
Azure AD Identity Protection

Quality Assurance

▼


Azure AD Privileged Identity Management
Azure AD Managed Service Identity
Azure AD Connect
Azure AD Identity Protection

Answer:

Explanation:

Department	Azure Service
Security	<div>▼</div> <div> Azure AD Privileged Identity Management Azure AD Managed Service Identity Azure AD Connect Azure AD Identity Protection </div>
Development	<div>▼</div> <div> Azure AD Privileged Identity Management Azure AD Managed Service Identity Azure AD Connect Azure AD Identity Protection </div>
Quality Assurance	<div>▼</div> <div> Azure AD Privileged Identity Management Azure AD Managed Service Identity Azure AD Connect Azure AD Identity Protection </div>

Explanation:

Department

Azure Service

Security	<div>▼</div> <div> Azure AD Privileged Identity Management Azure AD Managed Service Identity Azure AD Connect Azure AD Identity Protection </div>
Development	<div>▼</div> <div> Azure AD Privileged Identity Management Azure AD Managed Service Identity Azure AD Connect Azure AD Identity Protection </div>
Quality Assurance	<div>▼</div> <div> Azure AD Privileged Identity Management Azure AD Managed Service Identity Azure AD Connect Azure AD Identity Protection </div>

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

NEW QUESTION # 216

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Time is valued especially when we are all caught up with plans and still step with the handy matters. If you suffer from procrastination

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