# Practice Test 2

### **Question 1**

Domain :Design Azure data storage solutions

A company wants to deploy a Cosmos DB account. The data within the account will be used by data engineers situated across the world. You need to ensure that data engineers worldwide can access the data for a read operation with the least amount of latency. You also need to ensure that costs are minimized. Which of the following would you implement for this requirement?

]A.

**Create a single Azure Cosmos DB account and enable multi-region writes.**

]B.

**Create a single Azure Cosmos DB account and configure data replication.**

]C.

**Create a single Azure Cosmos DB account and configure geo-redundancy.**

]D.

**Create multiple Azure Cosmos DB accounts for each region.**

### **Question 2**

Domain :Design for data security and compliance

You have an Azure Data Lake Storage Gen 2 account. You have to grant permissions to a specific application for a limited time period. Which of the following can you use for this requirement?

]A.

**Access keys for the storage account**

]B.

**A shared access signature**

]C.

**Role based access control**

]D.

**Azure AD Users**

### **Question 3**

Domain :Design for data security and compliance

A company is planning to set an Azure SQL Database. The database contains tables and columns that contain sensitive data. The company wants to have a solution in place that would accomplish the following requirements.

* Ensure the database is encrypted at rest.
* Ensure that when sensitive data is accessed from the columns, it is encrypted in transit.

Which of the following would you use for the following requirement?

**“Ensure the database is encrypted at rest.”**

]A.

**Always Encrypted**

]B.

**Dynamic data masking**

]C.

**Row-level security**

]D.

**Transparent Data Encryption**

### **Question 4**

Domain :Design for data security and compliance

A company is planning to set an Azure SQL Database. The database contains tables and columns that contain sensitive data. The company wants to have a solution in place that would accomplish the following requirements.

* Ensure the database is encrypted at rest.
* Ensure that when sensitive data is accessed from the columns, it is encrypted in transit.

Which of the following would you use for the following requirement?

**“Ensure that when sensitive data is accessed from the columns, it is encrypted in transit.”**

]A.

**Always Encrypted**

]B.

**Dynamic data masking**

]C.

**Row-level security**

]D.

**Transparent Data Encryption**

### **Question 5**

Domain :Design for data security and compliance

You have an Azure SQL database. You need to provide an Azure AD group read access to the database. Which of the following would you use to provide access?

]A.

**A contained database user**

]B.

**Role based access control**

]C.

**Access keys**

]D.

**Shared Access Signature**

### **Question 6**

Domain :Design Azure data storage solutions

You need to design a solution that would use Azure Functions. The function would be used to process data that is uploaded to Azure Blob storage. You have to ensure that the following requirements are met.

* The solution must have support for 1 million blobs.
* The solution must scale automatically.
* Costs must be minimized.

Which of the following would you recommend for this requirement?

]A.

**Deploying the Azure Function as part of an App Service Plan and then using the Blob trigger**

]B.

**Deploying the Azure Function as part of an App Service Plan and then using the Event trigger**

]C.

**Deploying the Azure Function as part of a Consumption Plan and then using the Blob trigger**

]D.

**Deploying the Azure Function as part of a Consumption Plan and then using the Event trigger**

### **Question 7**

Domain :Design data processing solutions

A company wants to design a solution that would support the ingestion and analysis of log files in real-time. Which of the following would you implement for this requirement? Choose 2 answers from the options given below.

A.

**Azure Databricks**

B.

**Azure Data Factory**

C.

**Azure Event Hubs**

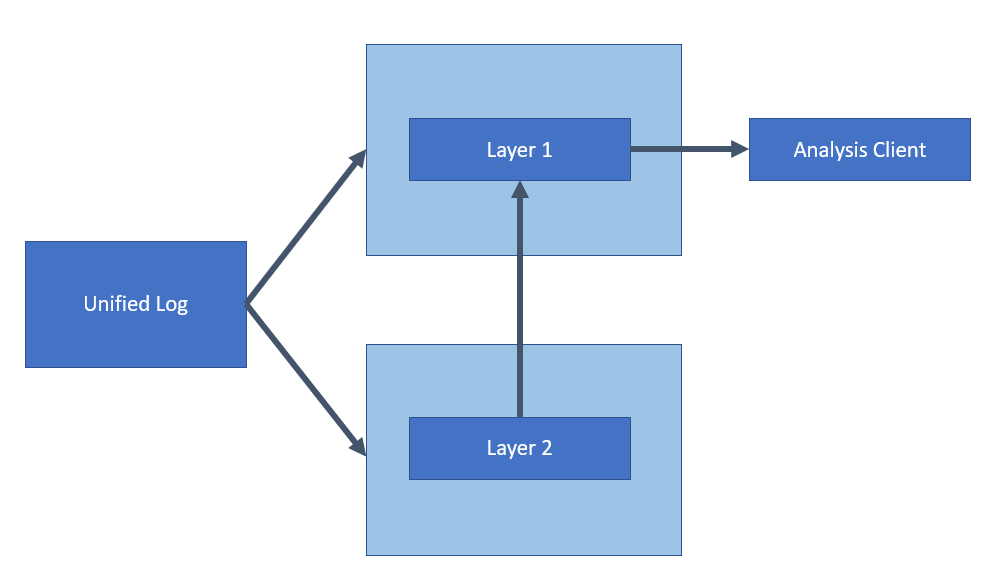
D.

**Azure Data Lake Gen 2 storage**

### **Question 8**

Domain :Design data processing solutions

A company is planning to design a solution in Azure. The solution would be based on the Kappa architecture as shown below.



Which of the following could be used for Layer 1?

]A.

**Azure Cosmos DB**

]B.

**Azure Data Catalog**

]C.

**Azure Data Factory**

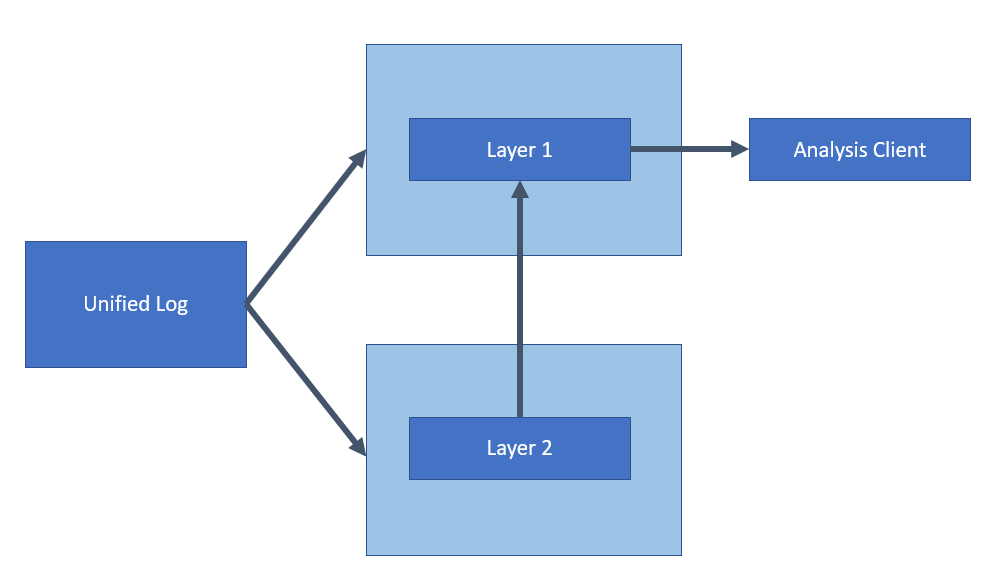
]D.

**Azure SQL Data Warehouse**

### **Question 9**

Domain :Design data processing solutions

A company is planning to design a solution in Azure. The solution would be based on the Kappa architecture as shown below.



Which of the following could be used for Layer 1?

]A.

**Azure Cosmos DB**

]B.

**Azure Data Catalog**

]C.

**Azure Data Factory**

]D.

**Azure SQL Data Warehouse**

### **Question 10**

Domain :Design data processing solutions

A company wants to make use of an Azure Databricks interactive cluster. The cluster would be configured for auto-termination. The company wants to ensure that the cluster configuration remains indefinitely after the cluster is terminated. The company also wants to ensure that costs are minimized when implementing the solution. Which of the following would you implement for this requirement?

]A.

**Ensure to clone the cluster.**

]B.

**Ensure to create an Azure runbook to start the cluster.**

]C.

**Ensure to pin the cluster.**

]D.

**Ensure to disable termination for the cluster.**

### **Question 11**

Domain :Design Azure data storage solutions

A company wants to use an Azure Data Lake Storage account to store CSV files. These files will be organized into department wise folders. The company wants to ensure that data is configured in such a way that users will only see files in their respective department folders.

They decide to disable hierarchical namespace and use access control lists.

Would this fulfill the requirement?

]A.**Yes**

]B.**No**

### **Question 12**

Domain :Design Azure data storage solutions

A company wants to use an Azure Data Lake Storage account to store CSV files. These files will be organized into department wise folders. The company wants to ensure that data is configured in such a way that users will only see files in their respective department folders.

They decide to enable hierarchical namespace and use RBAC.

Would this fulfill the requirement?

]A.**Yes**

]B.**No**

### **Question 13**

Domain :Design Azure data storage solutions

A company wants to use an Azure Data Lake Storage account to store CSV files. These files will be organized into department wise folders. The company wants to ensure that data is configured in such a way that users will only see files in their respective department folders.

They decide to disable the hierarchical namespace and use RBAC.

Would this fulfill the requirement?

]A.**Yes**

]B.**No**

### **Question 14**

Domain :Design Azure data storage solutions

A company wants to implement a big data store. Below are the key requirements for the data store.

* It should have support for a hierarchical file system.
* It should be optimized for parallel analytic workloads.
* It should provide unlimited account sizes.

Which of the following would you implement for this requirement?

]A.

**Azure Data Lake Storage Gen2**

]B.

**Azure Blob storage**

]C.

**Apache HBase in Azure HDInsight**

]D.

**Azure Cosmos DB**

### **Question 15**

Domain :Design Azure data storage solutions

A company wants to implement an Azure Cosmos DB database that would support data storage for vertices and edges. Which of the following would you use as the underlying Cosmos DB API?

]A.

**SQL**

]B.

**Cassandra**

]C.

**Gremlin**

]D.

**Table**

### **Question 16**

Domain :Design Azure data storage solutions

A company wants to implement a data store that would meet the following requirements.

* Be able to receive thousands of files per minute.
* The files would be in different file formats – JSON, text and CSV.
* The files would eventually be processed, transformed and loaded into an Azure SQL data warehouse.

Which of the following would you use as the underlying data store?

]A.

**Azure Data Lake Storage Gen2**

]B.

**Azure Blob storage**

]C.

**Apache HBase in Azure HDInsight**

]D.

**Azure Cosmos DB**

### **Question 17**

Domain :Design Azure data storage solutions

A company wants to migrate data from an on-premise Mongo DB Instance to Azure Cosmos DB – Mongo API. During the testing phase, they discovered that too much time is being taken for the migration process. Which of the following can they implement to reduce the migration time? Choose 2 answers from the options given below.

A.

**Increase the number of Request Units.**

B.

**Look to turn off indexing.**

C.

**Add an additional write region to the Cosmos DB account.**

D.

**Go ahead and create unique indexes.**

### **Question 18**

Domain :Design Azure data storage solutions

A company wants to deploy a set of databases using the Azure SQL database service. They want to organize the databases into separate groups based on database usage. They also want to have the ability to define the maximum limit on the resources that would be able for each group. Which of the following could be recommended to fulfill this requirement?

]A.

**Azure SQL Database Hyperscale**

]B.

**Azure SQL Database Single Instance**

]C.

**Azure SQL Database Elastic Pools**

]D.

**Azure SQL Database Sharding**

### **Question 19**

Domain :Design Azure data storage solutions

A company wants to create an Azure storage account. Below are the requirements for the objects in the storage account.

* Storage costs should be minimized.
* The storage account will be used to hold objects which are infrequently accessed.
* The data in the storage account will be stored for at least 30 days.
* Data availability must be guaranteed at an SLA of 99%

Which of the following could be used as the underlying storage tier?

]A.

**Premium**

]B.

**Hot**

]C.

**Cold**

]D.

**Archive**

### **Question 20**

Domain :Design Azure data storage solutions

A company wants to start using the Azure Databricks service. They want to ensure that the Databricks clusters remain available even at the time of regional Azure datacenter outages. Which of the following could be used as the redundancy type to fulfill this requirement?

]A.

**Read-access geo-redundant storage**

]B.

**Locally redundant storage**

]C.

**Geo-redundant storage**

]D.

**Zone-redundant storage**

### **Question 21**

Domain :Design Azure data storage solutions

A company wants to use the Azure SQL database service. Business apps will be accessing the database. The application data must be available in the event of a region-wide outage. Below are the other key requirements.

* Data must be available in the secondary region if the primary region goes down.
* The storage and compute layers for the SQL database must be integrated and replicated together.

Which of the following would you use as the Service tier for the database?

]A.

**Basic**

]B.

**Standard**

]C.

**Premium**

]D.

**High**

### **Question 22**

Domain :Design Azure data storage solutions

A company wants to use the Azure SQL database service. Business apps will be accessing the database. The application data must be available in the event of a region-wide outage. Below are the other key requirements.

* Data must be available in the secondary region if the primary region goes down.
* The storage and compute layers for the SQL database must be integrated and replicated together.

Which of the following would you use as the redundancy type?

]A.

**SQL Sync**

]B.

**Zone-Redundancy**

]C.

**Geo-redundant storage**

]D.

**Local-redundant storage**

### **Question 23**

Domain :Design Azure data storage solutions

A company is planning to use the Azure SQL data warehouse service. Data would be uploaded to the data warehouse every week. Every time the data is uploaded, checks would be made to ensure that the data is not corrupted. If the data is corrupted, the uploaded data has to be removed. The upload process and data corruption check process must not impact the processes running against the warehouse.

The company decides to configure database-level auditing and set a retention period as part of the implementation process.

Would this meet the requirement?

]A.**Yes**

]B.**No**

### **Question 24**

Domain :Design Azure data storage solutions

A company is planning to use the Azure SQL data warehouse service. Data would be uploaded to the data warehouse every week. Every time the data is uploaded, checks would be made to ensure that the data is not corrupted. If the data is corrupted, the uploaded data has to be removed. The upload process and data corruption check process must not impact the processes running against the warehouse.

The company decides to create user-defined restore points before the data is uploaded. And then delete the restore point after the data corruption checks are complete.

Would this meet the requirement?

]A.**Yes**

]B.**No**

### **Question 25**

Domain :Design Azure data storage solutions

A company is planning to use the Azure SQL data warehouse service. Data would be uploaded to the data warehouse every week. Every time the data is uploaded, checks would be made to ensure that the data is not corrupted. If the data is corrupted, the uploaded data has to be removed. The upload process and data corruption check process must not impact the processes running against the warehouse.

The company decides to configure transactions and then perform a rollback if data corruption is detected.

Would this meet the requirement?

]A.**Yes**

]B.**No**

### **Question 26**

Domain :Design data processing solutions

A company wants to engineer a solution. The solution would have the following requirements.

* Ingest data from an on-premise SQL Server.
* Create pipelines that can integrate data and also run notebooks.
* Be able to develop notebooks that can be used to transform data.
* Be able to load the data into a massive parallel processing data for analysis.

Which of the following would you use as the service to integrate the on-premise data onto the cloud?

]A.

**Azure Databricks**

]B.

**Azure Data Factory**

]C.

**Azure SQL Data warehouse**

]D.

**Azure Batch**

### **Question 27**

Domain :Design data processing solutions

A company wants to engineer a solution. The solution would have the following requirements.

* Ingest data from an on-premise SQL Server.
* Create pipelines that can integrate data and also run notebooks.
* Be able to develop notebooks that can be used to transform data.
* Be able to load the data into a massive parallel processing data for analysis.

Which of the following would you use as the service to develop notebooks to transform the data?

]A.

**Azure Databricks**

]B.

**Azure Data Factory**

]C.

**Azure SQL Data warehouse**

]D.

**Azure Batch**

### **Question 28**

Domain :Design data processing solutions

A company wants to engineer a solution. The solution would have the following requirements.

* Ingest data from an on-premise SQL Server.
* Create pipelines that can integrate data and also run notebooks.
* Be able to develop notebooks that can be used to transform data.
* Be able to load the data into a massive parallel processing data for analysis.

Which of the following would you use as the service to run notebooks?

]A.

**Azure Databricks**

]B.

**Azure Data Factory**

]C.

**Azure SQL Data warehouse**

]D.

**Azure Batch**

### **Question 29**

Domain :Design data processing solutions

A company wants to engineer a solution. The solution would have the following requirements.

* Ingest data from an on-premise SQL Server.
* Create pipelines that can integrate data and also run notebooks.
* Be able to develop notebooks that can be used to transform data.
* Be able to load the data into a massive parallel processing data for analysis.

Which of the following would you use as the service to load the data?

]A.

**Azure Databricks**

]B.

**Azure Data Factory**

]C.

**Azure SQL Data warehouse**

]D.

**Azure Batch**

### **Question 30**

Domain :Design data processing solutions

A company wants to engineer a solution. The solution would have the following requirements.

* Ingest data from an on-premise SQL Server.
* Create pipelines that can integrate data and also run notebooks.
* Be able to develop notebooks that can be used to transform data.
* Be able to load the data into a massive parallel processing data for analysis.

Which of the following would you use as the service to store the transformed data?

]A.

**Azure Databricks**

]B.

**Azure Data Factory**

]C.

**Azure SQL Data warehouse**

]D.

**Azure Batch**

### **Question 31**

Domain :Design data processing solutions

Your company currently has a solution in place. This solution consists of streaming data being sent to Azure Event Hubs. The data is then stored in Azure Blob storage. The data contains social media posts.

You have to count the number of times the keyword Comps is mentioned in each post every 30 seconds. The data then needs to be available to Microsoft BI in near real-time.

You have to implement the new requirement for the solution.

You decide to use Azure Databricks to create a Scala notebook. You then create a structured streaming job to connect to the event hub. This would count the number of keywords in the post. The number is then written to a Delta table. You then go ahead to consume the data in PowerBI by using DirectQuery Mode.

Would this fulfill the requirement?

]A.**Yes**

]B.**No**

### **Question 32**

Domain :Design data processing solutions

Your company currently has a solution in place. This solution consists of streaming data being sent to Azure Event Hubs. The data is then stored in Azure Blob storage. The data contains social media posts.

You have to count the number of times the keyword Comps is mentioned in each post every 30 seconds. The data then needs to be available to Microsoft BI in near real-time.

You have to implement the new requirement for the solution.

You decide to create an Azure Stream Analytics job. This would use Azure Event Hubs as the input stream. This would count the keywords and send the data to an Azure SQL Database. The data is then consumed in PowerBI by using DirectQuery Mode.

Would this fulfill the requirement?

]A.**Yes**

]B.**No**

### **Question 33**

Domain :Design data processing solutions

Your company currently has a solution in place. This solution consists of streaming data being sent to Azure Event Hubs. The data is then stored in Azure Blob storage. The data contains social media posts.

You have to count the number of times the keyword Comps is mentioned in each post every 30 seconds. The data then needs to be available to Microsoft BI in near real-time.

You have to implement the new requirement for the solution.

You plan to use Azure Data Factory and an event trigger to detect when new blobs are added to the storage account. You then filter the data in Azure Data Factory and then send the data to an Azure SQL Database. The data is then consumed in PowerBI by using DirectQuery Mode.

Would this fulfill the requirement?

]A.**Yes**

]B.**No**

### **Question 34**

Domain :Design Azure data storage solutions

[**View Case Study**](javascript:;)

**Overview**

A company is responsible for designing a new data engineering solution. The solution would be used by a media company that has offices in the following locations

* New York
* Manchester
* Singapore
* Melbourne

**Current environment**

* The current solution stores millions of images on a physical server that is located in the New York office.
* Around 2 TB of images are added every day
* Currently the images are not being organized properly
* It becomes difficult to search for images
* The images need to have object and color tags generated
* The tags are stored in a document database that is queries by SQL
* The New York office also has a Microsoft SQL Server database that stores customer data

**Proposed environment**

* All of the images and any customer data needs to be transferred to Azure.
* On-premise servers need to be decommissioned
* A proper analytical processing solution must be in place for customer related data
* There should be a proper image object and color tagging solution in place
* All expenses must be minimized
* The tagging data must be uploaded from the New York Office location
* Tagging data must be replicated to regions where other offices are located
* The customer data must be analyzed using Spark clusters
* The cluster should allow for parallel processing of data
* Power BI must be used to visualize transformed customer data
* There should be a facility to backup data if disaster recovery is required
* All the data in the cloud must be encrypted at rest and in transit
* Images must be replicated globally

You have to choose the right service for storing image tagging data. Which of the following should be used to fulfill this requirement?

]A.

**Azure File storage**

]B.

**Azure Blob storage**

]C.

**Azure Cosmos DB**

]D.

**Azure SQL Data warehouse**

### **Question 35**

Domain :Design data processing solutions

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* Images must be replicated globally

You need to ensure that the following requirement is met.

**“A proper analytical processing solution must be in place for customer-related data.”**

Which of the following would you use for this requirement?

]A.

**Azure Databricks**

]B.

**Azure Data Lake Storage**

]C.

**Azure Data warehouse**

]D.

**Azure Cosmos DB**

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Domain :Design Azure data storage solutions

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* All the data in the cloud must be encrypted at rest and in transit
* Images must be replicated globally

You need to meet the storage requirements for the image tagging data. Which of the following would you configure for the data store in the New York location?

]A.

**Primary Region**

]B.

**Secondary Region**

]C.

**Write Region**

]D.

**Read Region**

### **Question 37**

Domain :Design Azure data storage solutions

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]B.

**Secondary Region**

]C.

**Write Region**

]D.

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### **Question 40**

Domain :Design for data security and compliance

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* There should be a facility to backup data if disaster recovery is required
* All the data in the cloud must be encrypted at rest and in transit
* Images must be replicated globally

You have to ensure that the security requirements are met for the tagging data. Which of the following would you implement for this requirement?

]A.

**Encryption at rest**

]B.

**Transparent data encryption**

]C.

**Azure Key vault**

]D.

**Certificate store**

### **Question 41**

Domain :Design for data security and compliance

[**View Case Study**](javascript:;)

**Overview**

A company is responsible for designing a new data engineering solution. The solution would be used by a media company that has offices in the following locations

* New York
* Manchester
* Singapore
* Melbourne

**Current environment**

* The current solution stores millions of images on a physical server that is located in the New York office.
* Around 2 TB of images are added every day
* Currently the images are not being organized properly
* It becomes difficult to search for images
* The images need to have object and color tags generated
* The tags are stored in a document database that is queries by SQL
* The New York office also has a Microsoft SQL Server database that stores customer data

**Proposed environment**

* All of the images and any customer data needs to be transferred to Azure.
* On-premise servers need to be decommissioned
* A proper analytical processing solution must be in place for customer related data
* There should be a proper image object and color tagging solution in place
* All expenses must be minimized
* The tagging data must be uploaded from the New York Office location
* Tagging data must be replicated to regions where other offices are located
* The customer data must be analyzed using Spark clusters
* The cluster should allow for parallel processing of data
* Power BI must be used to visualize transformed customer data
* There should be a facility to backup data if disaster recovery is required
* All the data in the cloud must be encrypted at rest and in transit
* Images must be replicated globally

You have to ensure that the security requirements are met for the customer data. Which of the following would you implement for this requirement?

]A.

**Encryption at rest**

]B.

**Transparent data encryption**

]C.

**Azure Key vault**

]D.

**Certificate store**

### **Question 42**

Domain :Design for data security and compliance

[**View Case Study**](javascript:;)

**Overview**

A company is responsible for designing a new data engineering solution. The solution would be used by a media company that has offices in the following locations

* New York
* Manchester
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**Current environment**

* The current solution stores millions of images on a physical server that is located in the New York office.
* Around 2 TB of images are added every day
* Currently the images are not being organized properly
* It becomes difficult to search for images
* The images need to have object and color tags generated
* The tags are stored in a document database that is queries by SQL
* The New York office also has a Microsoft SQL Server database that stores customer data

**Proposed environment**

* All of the images and any customer data needs to be transferred to Azure.
* On-premise servers need to be decommissioned
* A proper analytical processing solution must be in place for customer related data
* There should be a proper image object and color tagging solution in place
* All expenses must be minimized
* The tagging data must be uploaded from the New York Office location
* Tagging data must be replicated to regions where other offices are located
* The customer data must be analyzed using Spark clusters
* The cluster should allow for parallel processing of data
* Power BI must be used to visualize transformed customer data
* There should be a facility to backup data if disaster recovery is required
* All the data in the cloud must be encrypted at rest and in transit
* Images must be replicated globally

You need to comply with the following requirement for the customer data.

**“There should be a facility to backup data if disaster recovery is required.”**

Which of the following would you implement for this requirement?

]A.

**Geo-redundancy**

]B.

**Global tables**

]C.

**Geo-replication**

]D.

**Active-replication**

### **Question 43**

Domain :Design Azure data storage solutions

[**View Case Study**](javascript:;)

**Overview**

A company is responsible for designing a new data engineering solution. The solution would be used by a media company that has offices in the following locations

* New York
* Manchester
* Singapore
* Melbourne

**Current environment**

* The current solution stores millions of images on a physical server that is located in the New York office.
* Around 2 TB of images are added every day
* Currently the images are not being organized properly
* It becomes difficult to search for images
* The images need to have object and color tags generated
* The tags are stored in a document database that is queries by SQL
* The New York office also has a Microsoft SQL Server database that stores customer data

**Proposed environment**

* All of the images and any customer data needs to be transferred to Azure.
* On-premise servers need to be decommissioned
* A proper analytical processing solution must be in place for customer related data
* There should be a proper image object and color tagging solution in place
* All expenses must be minimized
* The tagging data must be uploaded from the New York Office location
* Tagging data must be replicated to regions where other offices are located
* The customer data must be analyzed using Spark clusters
* The cluster should allow for parallel processing of data
* Power BI must be used to visualize transformed customer data
* There should be a facility to backup data if disaster recovery is required
* All the data in the cloud must be encrypted at rest and in transit
* Images must be replicated globally

You need to decide on a storage solution for the images. Which of the following would you choose for this requirement?

]A.

**Azure Blob storage**

]B.

**Azure Data Lake storage**

]C.

**Azure SQL Database**

]D.

**Azure SQL Data Warehouse**

### **Question 44**

Domain :Design for data security and compliance

[**View Case Study**](javascript:;)

**Overview**

A company is responsible for designing a new data engineering solution. The solution would be used by a media company that has offices in the following locations

* New York
* Manchester
* Singapore
* Melbourne

**Current environment**

* The current solution stores millions of images on a physical server that is located in the New York office.
* Around 2 TB of images are added every day
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* The images need to have object and color tags generated
* The tags are stored in a document database that is queries by SQL
* The New York office also has a Microsoft SQL Server database that stores customer data

**Proposed environment**

* All of the images and any customer data needs to be transferred to Azure.
* On-premise servers need to be decommissioned
* A proper analytical processing solution must be in place for customer related data
* There should be a proper image object and color tagging solution in place
* All expenses must be minimized
* The tagging data must be uploaded from the New York Office location
* Tagging data must be replicated to regions where other offices are located
* The customer data must be analyzed using Spark clusters
* The cluster should allow for parallel processing of data
* Power BI must be used to visualize transformed customer data
* There should be a facility to backup data if disaster recovery is required
* All the data in the cloud must be encrypted at rest and in transit
* Images must be replicated globally

You need to allow users from the on-premise network to access the Azure SQL database. Which of the following would you set for this requirement?

]A.

**A server-level virtual network rule**

]B.

**A database-level virtual network rule**

]C.

**A server-level firewall rule**

]D.

**A database-level firewall rule**

### **Question 45**

Domain :Design Azure data storage solutions

A company wants to set up a set of data stores on Azure. Each datastore has different requirements.

* Datastore1 – This datastore must be able to store JSON related data. It must also have the ability to replicate data to multiple regions.
* Datastore2 – This would behave as an OLTP store.
* Datastore3 – On this data store, one should be able to run queries across petabytes of data.
* Datastore4 – This store should be able to ingest large amounts of images per day.

Which of the following technology would you use for Datastore1?

]A.

**Azure SQL Database**

]B.

**Azure Cosmos DB**

]C.

**Azure SQL Data Warehouse**

]D.

**Azure Data Lake Storage**

### **Question 46**

Domain :Design Azure data storage solutions

A company wants to set up a set of data stores on Azure. Each datastore has different requirements.

* Datastore1 – This datastore must be able to store JSON related data. It must also have the ability to replicate data to multiple regions.
* Datastore2 – This would behave as an OLTP store.
* Datastore3 – On this data store, one should be able to run queries across petabytes of data.
* Datastore4 – This store should be able to ingest large amounts of images per day.

Which of the following technology would you use for Datastore2?

]A.

**Azure SQL Database**

]B.

**Azure Cosmos DB**

]C.

**Azure SQL Data Warehouse**

]D.

**Azure Data Lake Storage**

### **Question 47**

Domain :Design Azure data storage solutions

A company wants to set up a set of data stores on Azure. Each datastore has different requirements.

* Datastore1 – This datastore must be able to store JSON related data. It must also have the ability to replicate data to multiple regions.
* Datastore2 – This would behave as an OLTP store.
* Datastore3 – On this data store, one should be able to run queries across petabytes of data.
* Datastore4 – This store should be able to ingest large amounts of images per day.

Which of the following technology would you use for Datastore3?

]A.

**Azure SQL Database**

]B.

**Azure Cosmos DB**

]C.

**Azure SQL Data Warehouse**

]D.

**Azure Data Lake Storage**

### **Question 48**

Domain :Design Azure data storage solutions

A company wants to set up a set of data stores on Azure. Each datastore has different requirements.

* Datastore1 – This datastore must be able to store JSON related data. It must also have the ability to replicate data to multiple regions.
* Datastore2 – This would behave as an OLTP store.
* Datastore3 – On this data store, one should be able to run queries across petabytes of data.
* Datastore4 – This store should be able to ingest large amounts of images per day.

Which of the following technology would you use for Datastore4?

]A.

**Azure SQL Database**

]B.

**Azure Cosmos DB**

]C.

**Azure SQL Data Warehouse**

]D.

**Azure Data Lake Storage**

### **Question 49**

Domain :Design data processing solutions

A company plans to use the Azure Databricks service. They want to create persistent clusters that would support auto-scaling for analytical processes.

The company decides to create a Standard cluster.

Would this fulfill the requirement?

]A.**Yes**

]B.**No**

### **Question 50**

Domain :Design data processing solutions

A company plans to use the Azure Databricks service. They want to create persistent clusters that would support auto-scaling for analytical processes.

The company decides to create a High concurrency cluster.

Would this fulfill the requirement?

]A.**Yes**

]B.**No**

### **Question 51**

Domain :Design data processing solutions

A company plans to use the Azure Databricks service. They want to create persistent clusters that would support auto-scaling for analytical processes.

The company decides to create a Premium cluster.

Would this fulfill the requirement?

]A.**Yes**

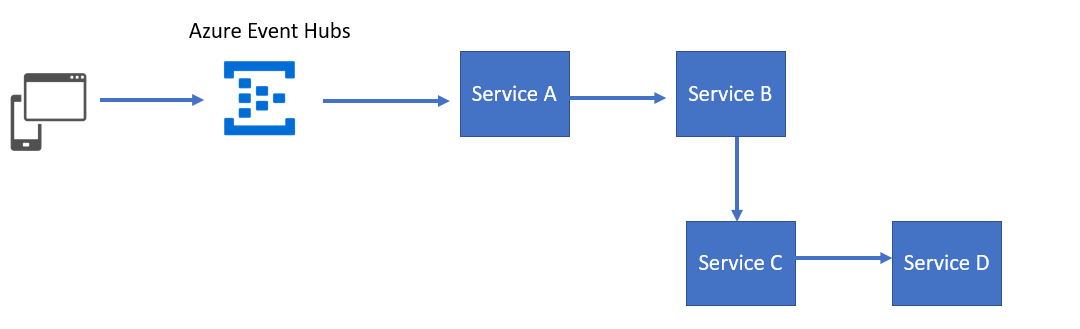
]B.**No**

### **Question 52**

Domain :Design data processing solutions

A company is designing a complete end-to-end solution for data analytics.

The overall architecture is given below.



* Azure Event Hubs would be used to ingest data from multiple devices.
* The data needs to be processed by Service A and sent to a relational store services by Service B.
* Every month, an ETL service (Service C) needs to run and store the output data in a columnar data store hosted by Service D.

Which of the following would you use as Service A?

]A.

**Azure SQL Database**

]B.

**Azure Stream Analytics**

]C.

**Azure SQL Data Warehouse**

]D.

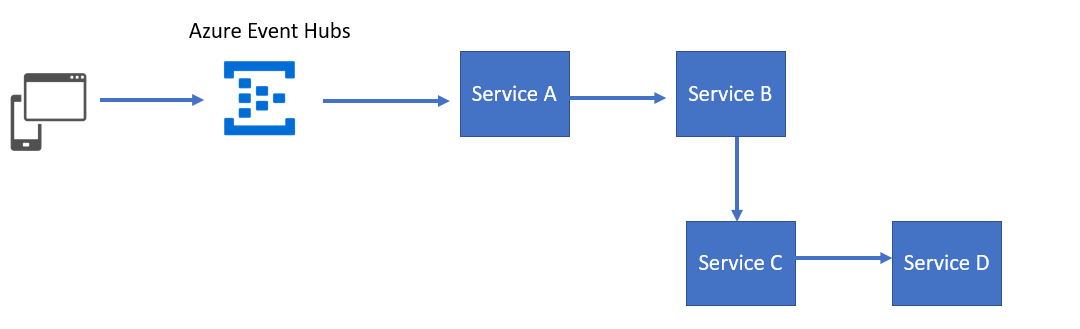
**Azure Data Factory**

### **Question 53**

Domain :Design data processing solutions

A company is designing a complete end-to-end solution for data analytics.

The overall architecture is given below.



* Azure Event Hubs would be used to ingest data from multiple devices.
* The data needs to be processed by Service A and sent to a relational store services by Service B.
* Every month, an ETL service (Service C) needs to run and store the output data in a columnar data store hosted by Service D.

Which of the following would you use as Service B?

]A.

**Azure SQL Database**

]B.

**Azure Stream Analytics**

]C.

**Azure SQL Data Warehouse**

]D.

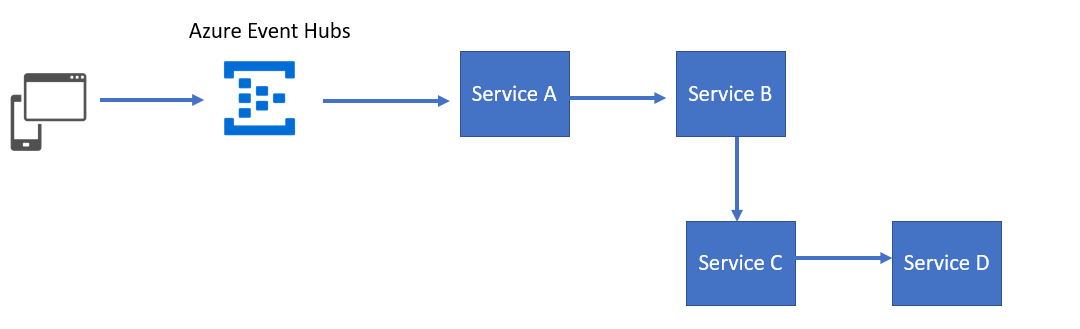
**Azure Data Factory**

### **Question 54**

Domain :Design data processing solutions

A company is designing a complete end-to-end solution for data analytics.

The overall architecture is given below.



* Azure Event Hubs would be used to ingest data from multiple devices.
* The data needs to be processed by Service A and sent to a relational store services by Service B.
* Every month, an ETL service (Service C) needs to run and store the output data in a columnar data store hosted by Service D.

Which of the following would you use as Service C?

]A.

**Azure SQL Database**

]B.

**Azure Stream Analytics**

]C.

**Azure SQL Data Warehouse**

]D.

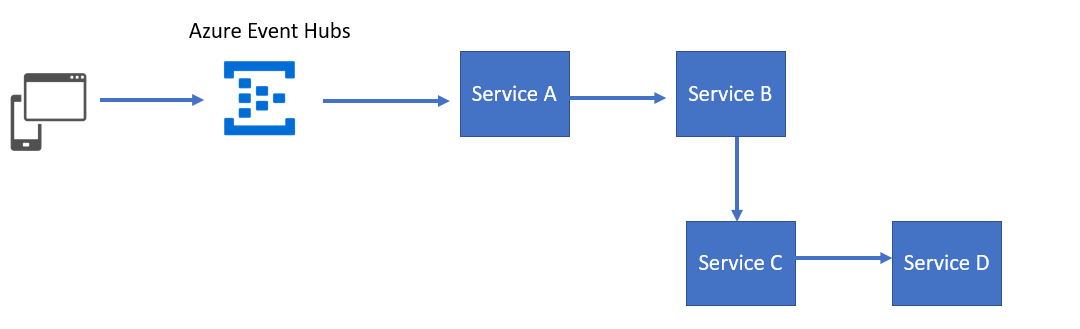
**Azure Data Factory**

### **Question 55**

Domain :Design data processing solutions

A company is designing a complete end-to-end solution for data analytics.

The overall architecture is given below.



* Azure Event Hubs would be used to ingest data from multiple devices.
* The data needs to be processed by Service A and sent to a relational store services by Service B.
* Every month, an ETL service (Service C) needs to run and store the output data in a columnar data store hosted by Service D.

Which of the following would you use as Service D?

]A.

**Azure SQL Database**

]B.

**Azure Stream Analytics**

]C.

**Azure SQL Data Warehouse**

]D.

**Azure Data Factory**