MCIA-LEVEL-1^{Q&As}

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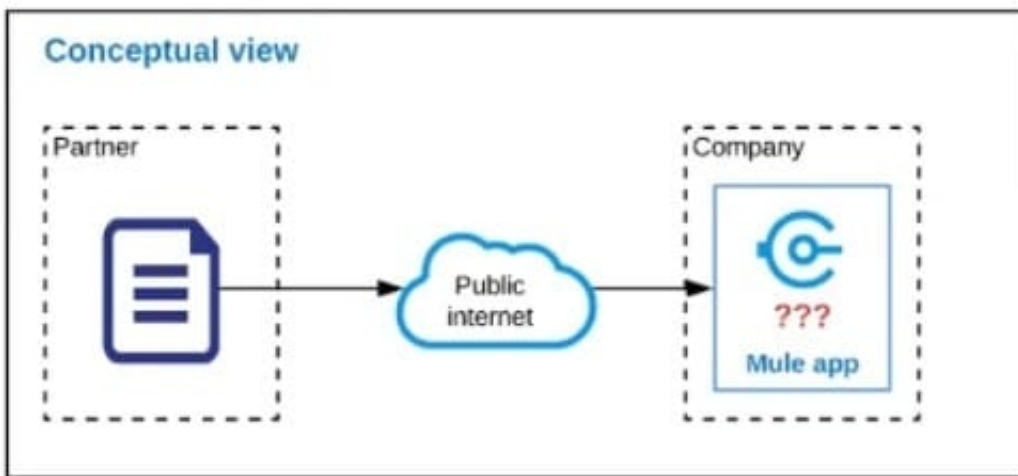Official Exam Center

QUESTION 1

Refer to the exhibit.

An organization is designing a Mule application to receive data from one external business partner. The two companies currently have no shared IT infrastructure and do not want to establish one. Instead, all communication should be over the public internet (with no VPN).

What Anypoint Connector can be used in the organization\\\'s Mule application to securely receive data from this external business partner?

A. File connector

B. VM connector

C. SFTP connector

D. Object Store connector

Correct Answer: C

Explanation:

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Object Store and VM Store is used for sharing data inter or intra mule applications in same setup. Can\\'t be used with external Business Partner

*

Also File connector will not be useful as the two companies currently have no shared IT infrastructure. It\\'s specific for local use.

*

Correct answer is SFTP connector. The SFTP Connector implements a secure file transport channel so that your Mule application can exchange files with external resources. SFTP uses the SSH security protocol to transfer messages. You

can implement the SFTP endpoint as an inbound endpoint with a one-way exchange pattern, or as an outbound endpoint configured for either a one-way or request-response exchange pattern.

QUESTION 2

An airline is architecting an API connectivity project to integrate its flight data into an online aggregation website. The interface must allow for secure communication high-performance and asynchronous message exchange. What are suitable interface technologies for this integration assuming that Mulesoft fully supports these technologies and that Anypoint connectors exist for these interfaces?

A. AsyncAPI over HTTPS AMQP with RabbitMQ JSON/REST over HTTPS

B. XML over ActiveMQ XML over SFTP XML/REST over HTTPS

C. CSV over FTP YAM L over TLS JSON over HTTPS

D. SOAP over HTTPS HOP over TLS gRPC over HTTPS

Correct Answer: A

QUESTION 3

Organization wants to achieve high availability goal for Mule applications in customer hosted runtime plane. Due to the complexity involved, data cannot be shared among of different instances of same Mule application. What option best suits to this requirement considering high availability is very much critical to the organization?

A. The cluster can be configured

B. Use third party product to implement load balancer

C. High availability can be achieved only in CloudHub

D. Use persistent object store

Correct Answer: B

Explanation:

High availability is about up-time of your application A) High availability can be achieved only in CloudHub isn\'t correct statement. It can be achieved in customer hosted runtime planes as well B) An object store is a facility for storing objects in

or across Mule applications. Mule runtime engine (Mule) uses object stores to persist data for eventual retrieval. It can be used for disaster recovery but not for High Availability. Using object store can\'t guarantee that all instances won\'t go

down at once. So not an appropriate choice. Reference: https://docs.mulesoft.com/mule-runtime/4.3/mule-object-stores C) High availability can be achieved by below two models for on-premise MuleSoft implementations.

1) Mule Clustering ?Where multiple Mule servers are available within the same cluster environment and the routing of requests will be done by the load balancer. A cluster is a set of up to eight servers that act as a single deployment

target

and high-availability processing unit. Application instances in a cluster are aware of each other, share common information, and synchronize statuses. If one server fails, another server takes over processing applications. A cluster can run

multiple applications. (refer left half of the diagram)

In given scenario, it\\'s mentioned that \\'data cannot be shared among of different instances\\'.

So this is not a correct choice.

Reference: https://docs.mulesoft.com/runtime-manager/cluster-about

2) Load balanced standalone Mule instances ?The high availability can be achieved even without cluster, with the usage of third party load balancer pointing requests to different Mule servers. This approach does not share or synchronize

data between Mule runtimes. Also high availability achieved as load balanced algorithms can be implemented using external load balancer. (refer right half of the diagram)

QUESTION 4

A Kubernetes controller automatically adds another pod replica to the resource pool in response to increased application load.

Which scalability option is the controller implementing?

A. Down

B. Diagonal

C. Vertical

D. Horizontal

Correct Answer: D

QUESTION 5

A mule application is deployed to a Single Cloudhub worker and the public URL appears in Runtime Manager as the APP URL.

Requests are sent by external web clients over the public internet to the mule application App url. Each of these requests routed to the HTTPS Listener event source of the running Mule application.

Later, the DevOps team edits some properties of this running Mule application in Runtime Manager.

Immediately after the new property values are applied in runtime manager, how is the current Mule application deployment affected and how will future web client requests to the Mule application be handled?

A. Cloudhub will redeploy the Mule application to the OLD Cloudhub worker New web client requests will RETURN AN ERROR until the Mule application is redeployed to the OLD Cloudhub worker

B. CloudHub will redeploy the Mule application to a NEW Cloudhub worker New web client requests will RETURN AN ERROR until the NEW Cloudhub worker is available

C. Cloudhub will redeploy the Mule application to a NEW Cloudhub worker New web client requests are ROUTED to the OLD Cloudhub worker until the NEW Cloudhub worker is available.

D. Cloudhub will redeploy the mule application to the OLD Cloudhub worker New web client requests are ROUTED to the OLD Cloudhub worker BOTH before and after the Mule application is redeployed.

Correct Answer: C

Explanation:

CloudHub supports updating your applications at runtime so end users of your HTTP APIs experience zero downtime. While your application update is deploying, CloudHub keeps the old version of your application running. Your domain

points to the old version of your application until the newly uploaded version is fully started. This allows you to keep servicing requests from your old application while the new version of your application is starting.

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