### Governing web APIs on Anypoint Platform

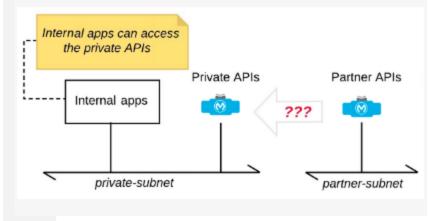
The Center for Enablement has commissioned a team to define the policies needed for nonfunctional security constraints on API invocations in a CloudHub deployment model.							
Whi	ch thre	ee (	out-of-the-box policies support security-related requirements? (Choose three.)				
<b>V</b>	Α	J	SON Threat Protection				
<b>V</b>	В	Е	Basic Authentication - LDAP				
	С	т	okenization				
<b>V</b>	D	J	WT Validation				
	Е	н	Header Injection				
	F	N	Message Logging				
54	informa	ation	tation has implemented the Customer Address API to retrieve customer address  n. This API has been deployed to multiple environments and has been configured to ent IDs everywhere.				
	A developer is writing a client application to allow a user to update their address. The developer has found the Customer Address API in Anypoint Exchange and wants to use it in their client application.						
	Which step of gaining access to the API can be performed automatically by Anypoint Platform?						
		Α	Approve the client application request for the chosen SLA tier				
	0	В	Create a new application in Anypoint Exchange for requesting access to the API				
	0	С	Request access to the appropriate API instances deployed to multiple environments using the client application's credentials				
	0	D	Modify the client application to call the API using the client application's credentials				
	white was a second of the seco	which thr	Nonfunctional Which three of the property of t				

#### Refer to the exhibit.

Mule applications (apps) that implement a number of REST APIs are deployed to their own subnet that is inaccessible from outside the organization.

External business partners must access these APIs, which are only allowed to be invoked from a separate subnet dedicated to partners—called partner-subnet. This subnet is accessible from the public internet, which allows these external partners to reach it. Anypoint Platform and Mule runtimes are already deployed in partner-subnet, and these Mule runtimes can already access the APIs.

Which solution most effectively complies with these requirements while having the smallest impact on other applications that currently use the APIs?



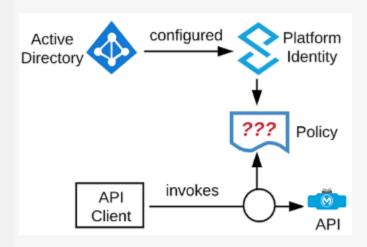
- A Create one API proxy that accesses each of the APIs, and then deploy that proxy to the Mule runtime in the private-subnet
- O B Add an additional endpoint to each API for partner-enablement consumption
- C Create connectors for each of the Private APIs, and then use the Partner APIs to interface with the Private API connectors
- Implement (or generate) an API proxy Mule application for each of the APIs, and then deploy the API proxies to the Mule runtimes in the partner-subnet
- 1 Which three events can be effectively enforced using an API policy in Anypoint Platform? (Choose three.)
  - A Prevent overloading the back-end system
  - □ B Identify denial-of-service attacks
  - C Application auto-restart
  - D Authenticate credentials between APIs
  - ☐ E Stack overload prevention index
  - F Log HTTP requests and responses

3	3 How can the application of a rate-limiting API policy be accurately reflected in th definition of an API?						
	0	Α	By refining the response definitions by adding the out-of-the-box Anypoint Platform rate-limit-enforcement securityScheme with description, type, and example				
		В	By refining the response definitions by adding 429 status code and the x- ratelimit-* response headers with description, type, and example				
	0	С	By adding a SecurityScheme with the declaration settings defined for the x-ratelimit-* response headers				
	0	D	By publishing a new RAML fragment to define 429 status code and the x- ratelimit-* response body with traits, is clause, and responses				
11	The Anypoint Platform organization administrator is asked to configure an external identity provider (IdP) using an OpenID Connect-compliant provider to set up users for single sign-on (SSO).						
	What happens if a user already exists in the Anypoint Platform organization and has the username as the one used to log in with SSO?						
	0	Α	It is not possible to create a new user for SSO with the same username as a user that already exists in the Anypoint Platform organization. The new SSO user creation, using the external identity management solution, will return an error.				
	•	В	The new user that is used to log in with SSO coexists with the original user with the same username. Users with the same username are managed independently of one another.				
	0	С	It is not possible to create a new user for SSO with the same username as a user that already exists in the Anypoint Platform organization. The new SSO user creation, using the external identity management solution, will be automatically created as unique.				
	0	D	The new user that is used to log in with SSO cannot coexist with the original user with the same username. The original user must be disabled.				

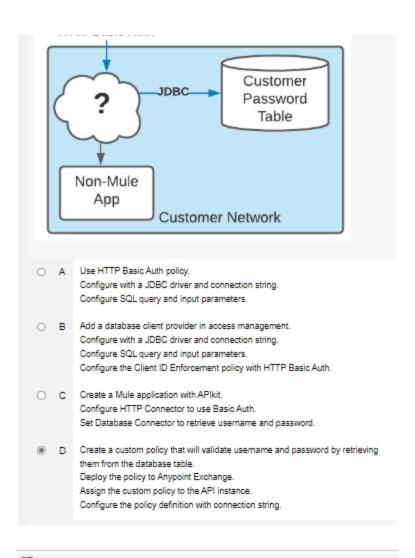
#### 21 Refer to the exhibit.

An organization is running a Mule standalone runtime and has configured Active Directory as the Anypoint Platform external identity provider. The organization does not have budget for other system components.

Which policy should be applied to all instances of APIs in the organization to most effectively restrict access to a specific group of internal users?



- A Apply the OAuth 2.0 Access Token Enforcement policy; the internal Active Directory will be configured as the OAuth resource server
- B Apply a Client ID Enforcement policy; the specific group of users will configure its client applications to use its specific client credentials
- C Apply the Basic Authentication LDAP policy; the internal Active Directory will be configured as the LDAP source for authenticating users
- D Apply the JWT Validation policy; configure it with the JWT token provided by Active Directory

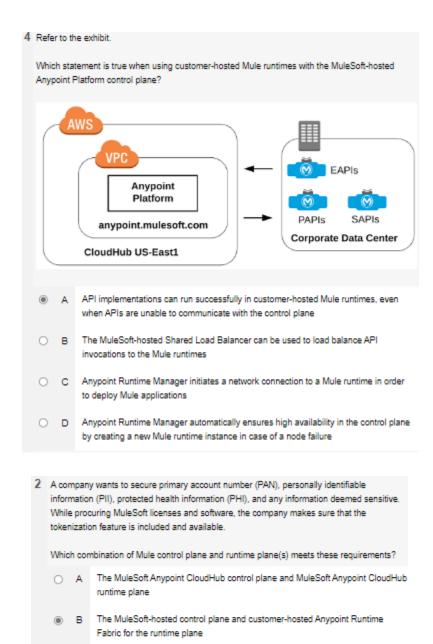


#### 57 What is the correct process to apply a nonautomated API policy, and to which API instances is this policy applied?

- A Create a custom XML API policy, within the XML.
   Then set the apild keyname value to all to apply to all instances of the API.
- B A custom API policy is defined in API Designer for a particular API instance.
   Then the API policy is only applied to that specific API instance.
- © C The API policy is defined in API Manager for a particular API instance. Then the API policy is only applied to that specific API instance.
- D The API policy is defined in API Manager for the API specification.
   Then the API policy is only applied to ALL API instances of that API specification.

#### Establishing organizational and platform foundations

34	According to MuleSoft best practices, who should be responsible for identifying, designing, and developing integrations and APIs that are immediately available and reusable by the organization?							
	•	Α	Cer	nter for Enablement team				
	0	В	Inte	ernal IT department				
	0	С	Line	e of Business IT team				
	0	D	Bus	siness IT team				
		Clea	ar Ans	swer				
				☐ Mark for re	evie			
	1			ization makes a strategic decision to move toward an IT operating model that tes consumption of reusable IT assets using modern APIs (as defined by MuleSoft).				
		Wh	ich sta	stement describes each modern API in relation to this new IT operating model?				
		0	Α	Each modern API must be REST-based and HTTP-based				
		0	В	Each modern API has its own software development lifecycle, which reduces the need for documentation and automation				
		0	С	Each modern API must be easy to consume, so each should avoid complex authentication mechanisms such as SAML or JWT				
		•	D	Each modern API must be treated like a product and designed for reuse				
	1	expo	omer-h ses R	y deploys Mule applications through Runtime Manager with default configurations to nosted Mule runtimes. Each Mule application is an API implementation that ESTful interfaces to API clients. The Mule runtimes are managed by the MuleSoft-strol plane.				
				API client sends an HTTP request to a customer-hosted Mule application, which pad) and/or metadata is pushed to the MuleSoft-hosted control plane?				
		0	Α	Neither the data nor the metadata is pushed to the MuleSoft-hosted control plane				
		•	В	Only the metadata is pushed to the MuleSoft-hosted control plane				
		0	С	Only the data is pushed to the MuleSoft-hosted control plane				
		0	D	Both the data and the metadata are pushed to the MuleSoft-hosted control plane				



O Anypoint Platform Private Cloud Edition for the control plane and the MuleSoft-

control plane and customer-hosted MuleSoft Anypoint runtimes for the runtime

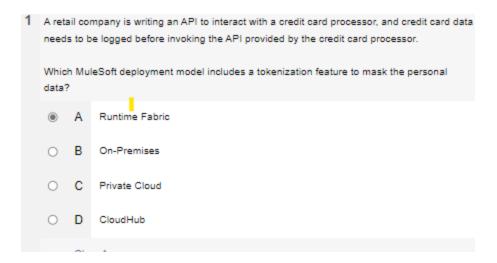
O D Customer-hosted MuleSoft Anypoint Platform Private Cloud Edition for the

hosted runtime plane

plane

6	What is a key requirement when using an external identity provider for client management in Anypoint Platform?					
	0	Α	Single sign-on is required to sign in to Anypoint Platform			
	•	В	API clients must submit access tokens issued by that same identity provider to invoke OAuth 2.0-protected APIs managed by Anypoint Platform			
	0	С	SAML 2.0 bearer tokens issued by that identity provider should be used for invocations of the Anypoint Platform web APIs			
	0	D	APIs managed by Anypoint Platform must be protected by SAML 2.0 policies			

### Monitoring and analyzing application networks



1	An A	An API implementation is deployed to CloudHub.						
			nditions can be alerted on using the default Anypoint Platform functionality, where onditions depend on the end-to-end request processing of the API implementation?					
	0	Α	When the maximum response time of API invocations exceeds a threshold					
	•	В	When the response time of API invocations exceeds a threshold					
	0	С	When the API receives a very high number of API invocations					
	0	D	When the average response time of API invocations exceeds a threshold					
		Cle	ar Answer					

	An organization deploys Mule applications to both the MuleSoft-hosted runtime plane are customer-hosted runtime plane. All deployments are managed by the MuleSoft-hosted or plane. Alerts have been created in the MuleSoft-hosted control plane related to invocation deployed API implementations that are managed by API Manager. The organization's Interam must locate the source(s) of the data or metadata that generate these alerts. What generates these alerts?							
		0	Α	MuleSoft-hosted runtime plane, customer-hosted runtime plane, and MuleSoft-hosted control plane				
		•	В	MuleSoft-hosted runtime plane and customer-hosted runtime plane				
		0	С	MuleSoft-hosted control plane				
		0	D	MuleSoft-hosted runtime plane and MuleSoft-hosted control plane				
4	46			ypical result of using a fine-grained, rather than a coarse-grained, API deployment aplement a given business process?				
		•	Α	A higher number of discoverable, API-related assets in the application network				
		0	В	A better response time for the end user as a result of the APIs being smaller in scope and complexity				
		0	С	An overall lower usage of resources because each fine-grained API consumes fewer resources				
		0	D	A decrease in the number of connections within the application network supporting the business process				
			Clea	r Answer				
2 An API with multiple API implementations (Mule applications) is deployed to both 0 and customer-hosted Mule runtimes. All the deployments are managed by the Mul hosted control plane. An alert must be triggered whenever an API implementation responding to API requests, even if no API clients have called the API implementations some time.								
		How	/ can i	these alerts be created to monitor the API implementations?				
		•	Α	In API Functional Monitoring, create monitors for the API implementations, where each monitor repeatedly invokes an API implementation endpoint				
		0	В	In Anypoint Runtime Manager, for all the API implementations, configure one Custom Application notification alert to monitor every API implementation				
		0	С	In API Manager, configure a Request Count alert to monitor every API implementation of the API				
		0	D	In each API client, add code to send a REST API request to generate a custom				

alert in Anypoint Platform when an API invocation times out

	J			actions are needed to create a custom alert for a Mule application deployed to ? (Choose two.)				
			Α	Enable alerts in Runtime Manager				
			В	Configure an alert email recipient in Access Management				
		<b>V</b>	С	Add Anypoint Connector for CloudHub to the Mule application				
			D	Configure an email server for the alert notification to be sent				
			E	Configure the custom application alert in Runtime Manager				
18		What is a byproduct of the API invocation metrics available from Anypoint Platform, and how can these byproducts be utilized?						
	(	0 1	9	ROI metrics data automatically inferred from API usage that can be directly shared with business users. The data are used to help create real-time executive dashboards.				
(		О В		Data on the level of reuse of assets. The data are used to help measure the effectiveness of the application network.				
		0	c /	API policy data that exceed a given threat threshold.				
			•	The data are used to help proactively identify likely subsequent future policy violations.				

# Designing and sharing APIs

#### SAFE Methods - GET, OPTIONS & HEAD

1	For a particular REST API specification managed by API Manager, how do an API interface, an API implementation, an API client, and API policies typically interact to invoke and process REST requests?					
	0	Α	The API interface invokes the API client that calls the API implementation to apply API policies to process the REST request			
	•	В	The API client invokes the API interface that applies API policies before calling the API implementation to process the REST request			
	0	С	The API implementation invokes the API client that applies API policies before calling the API interface to process the REST request			
	0	D	The API client invokes the API implementation that calls the API interface to apply API policies to process the REST request			

1 An API implementation is updated.					
	When	n mus	t the RAML definition of the API also be updated?		
	0	Α	When the API implementation is optimized to improve its average response time		
	0	В	When the back-end system is migrated from SOAP to RESTful implementations		
	0	С	When the API implementation is changed to not use APIkit Router		
	•	D	When the API implementation changes the structure of the request or response messages		
7 According to the API-lei when building system A		_	to the API-led connectivity approach MuleSoft recommends, what is a best practice ding system APIs?		
	0	Α	Expose the details of the API implementation's interaction with the back-end system to API clients		
	0	В	Expose the metadata of the back-end system		
	•	С	Document the system API using an easily consumable asset like a RAML definition		
	0	D	Build an Enterprise Data Model (Canonical Data Model) for all back-end systems and apply it to system APIs		

# Designing APIs using System, Process, and Experience Layers

1	A large healthcare provider has been building its application network for several years and has a large number of APIs in each layer. The company is looking for ways to streamline the use of common business objects for developers.					
	Which Anypoint component can streamline the use of many web APIs into a single					
	0	Α	Runtime Manager			
	•	В	DataGraph			
	0	С	API Manager			
	0	D	Anypoint Exchange			

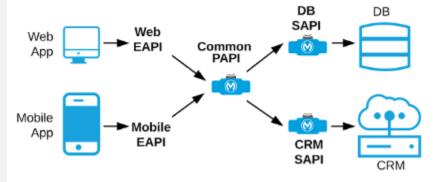
44 The central IT group of an organization is building a System API (SAPI) for a legacy system that has a number of specialized components and runs programs that implement complex algorithms.

For data analysis purposes, the business processes that consume the SAPI require the backend system's data in its original source form, so the IT organization decides to have the SAPI mirror the back-end system's data model.

With these requirements, what is a primary benefit of designing the SAPI to mirror the backend system's data model rather than directly connecting it to the back-end system?

- A To optimize the performance characteristics when accessing and retrieving modified data from the back-end system
- B To provide a single interface that insulates API clients from the complexity of and any future changes to the underlying integration interface exposed by the backend system
- C To expose the back-end system's data model to ensure all the back-end business objects are added to the Enterprise Data Model
- D To provide an externally facing security proxy to defend against internet-based attacks from mobile and web-based clients
  - 22 What is the most performant out-of-the-box solution in Anypoint Platform to track transaction state in an asynchronously executing, long-running process implemented as a Mule application deployed to multiple CloudHub 1.0 workers/replicas?
    - O A File-based storage
    - B Transient object store
    - C Transient VM queue
    - D Persistent object store

Separate Experience APIs for the mobile app and web app, but a common Process API that invokes separate System APIs created for the database and CRM system



Clear Answer

opera	15 A company is embarking on a MuleSoft API-led connectivity effort using Mulesoft's propose operating model. The company has decided to build a set of APIs to solve their connectivity challenges and unlock the data from core systems of record. Which layer of APIs must be created and who is responsible for those APIs?						
Which							
0	The Mobile Application team must create the Experience APIs to crea user experiences	te the end-					
	Central IT must create System APIs to unlock the data to help acceler business processes	rate					
0	The Enterprise Architecture team must create the Process APIs to unlidata	lock the					
0	The Line of Business team must create the Process APIs to implement business processes	nt the					
by the	rould the API data model of a system API reasonably mimic the data mod prresponding back-end system, with minimal improvements over the back data model?						
•	When a pragmatic approach to data modeling with limited isolation for back-end system is determined appropriate	om the					
0	When the system API can be assigned to an existing bounded content including the back-end system	d not					
0	When the corresponding back-end system is expected to be replaced future	d in the near					
0	When there is an existing Enterprise Data Model widely used across organization	the					
	rking at a multinational bank introduced a new System API into their envi	ronment.					
What ar	wo reasons the team made this decision? (Choose two.)						
<b>☑</b> A	The administration system did not authorize requests and was having d erroneously modified due to unauthorized requests	ata					
_ E	Payment requests coming through the system had to be routed to a new engine that was introduced at the bank	w fraud					
	The administration system's interface utilized an overly complex model, majority of which was not applicable to the bank's business	the					
	An external vendor that integrated with the bank's systems changed the from one that interacted with SOAP interfaces to one that required RES interfaces						
	A service was introduced that needs to analyze network traffic passing the APIs for unencrypted PII data	through					

# Architecting and deploying API implementations

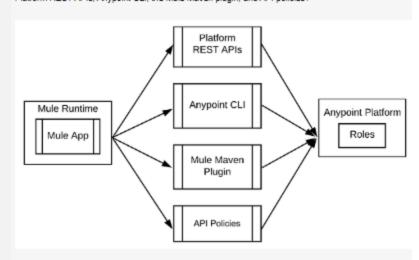
1	An API instance is managed in API Manager. A corresponding Mule application will be deployed to a Mule runtime to implement the API instance. API policies defined or chan for the API instance in API Manager must be enforced for the Mule application's API endpoints.										
	How is the Mule application connected with the API instance so that policies defined in API Manager for the API instance will be enforced for this Mule application?										
	0	,	A		mplementation URL from the API instance configuration in API Manager is to configure API autodiscovery in the Mule application						
	0		В		baseURL from an API autodiscovery configuration in the Mule application is to configure the API instance in API Manager						
	•	(	С		API ID from the API instance configuration in API Manager is used to gure API autodiscovery in the Mule application						
	0		D		API ID from an API autodiscovery configuration in the Mule application is to configure the API instance in API Manager						
		3	ded	licated '	starting to use MuleSoft and wants the Production environment to run on a Virtual Private Cloud (VPC) on CloudHub 1.0. Two Dedicated Load Balancers we been procured.						
			Hov	v shoul	d the CloudHub 1.0 DLBs be configured?						
			•	Α	Configure one DLB for public-facing apps and one for private-facing applications						
			0	В	Configure both DLBs for public-facing apps and one Shared Load Balancer for private-facing applications						
			0	С	Configure both DLBs for private-facing applications						
			0	D	Configure both DLBs for public-facing applications						

2 An organization uses a mixture of external SaaS systems and a legacy on-premises database that is blocked by the organization's public-facing firewall. None of the SaaS systems use AWS. New Mule applications are being designed to integrate the SaaS systems with the onpremises database. The organization wants to minimize its investment in IT infrastructure.

Which Anypoint Platform runtime plane should be used to deploy the Mule applications, and which Anypoint Platform network configuration will support these requirements?

- Deploy to the MuleSoft-hosted runtime plane.
   Configure the network with an Anypoint VPC that is configured with an IPSec tunnel to the on-premises network.
- B Deploy to the MuleSoft-hosted runtime plane.
   Configure a CloudHub 1.0 Dedicated Load Balancer that is configured with an AWS (not CloudHub 1.0) Direct Connect tunnel to the on-premises network.
- C Deploy to a customer-hosted runtime plane.
   Configure the network with an Anypoint VPC that is configured with VPC peering to each external SaaS network.
- Deploy to a customer-hosted runtime plane.
   Configure the organization's firewall to allow connections to the external SaaS systems.

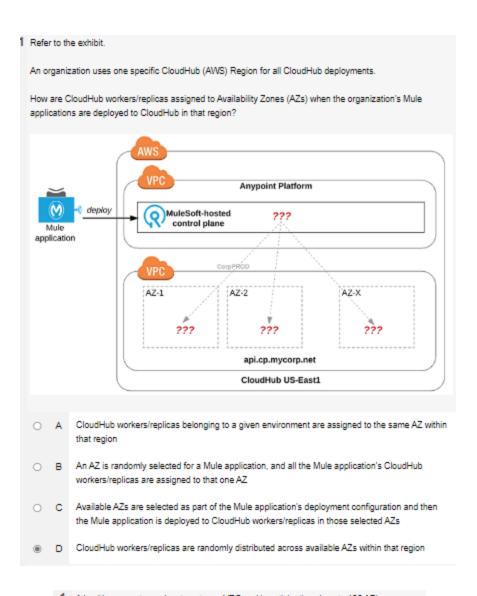
Which statement is true about automating interactions with Anypoint Platform using tools like Anypoint Platform REST APIs, Anypoint CLI, the Mule Maven plugin, and API policies?



- A Access to Anypoint Platform APIs and Anypoint CLI can be controlled separately through the roles and permissions in Anypoint Platform so that specific users can get access to Anypoint CLI while others get access to the Anypoint Platform APIs
- B Anypoint Platform APIs can only automate interactions with CloudHub, while the Mule Maven plugin is required for deployment to customer-hosted Mule runtimes
- C API policies can be applied to the Anypoint Platform APIs so that only certain lines of business have access to specific functions
- By default, the Anypoint CLI and Mule Maven plugin are not included in the Mule runtime, so they are not available to be used by deployed Mule applications

1	1 A company is setting up GitHub, Jenkins, and Nexus as part of the DevOps pipeline to automate the build and deployment process. After developers check in the code to a particular branch, a Jenkins pipeline is triggered to do the build.					
	After the package is successfully generated by Jenkins, to avoid repackaging, immediate next step in the process?					
	0	Α	Run all MUnit tests against an embedded Mule runtime			
	•	В	Upload the generated artifact to the Nexus repository			
	0	С	Create the API in API Manager			
	0	D	Merge the code to the appropriate branch in GitHub			
		Cle	ar Ancinar			
3	Whi	ch sta	tement is true about an integration test for a REST API implementation?			
	0	Α	Knowledge is required of the implementation details of the web API implementation under test			
	0	В	No deployment into any special environment (such as a Staging) is required			
	•	С	The test can be implemented using SoapUI or Postman to trigger web API invocations against the deployed web API implementation and assert responses			
	0	D	The test runs immediately after the Mule application has been compiled and packaged			
33			d a customer using Runtime Fabric on self-managed Kubernetes monitor their de health and core capacity?			
	•	Α	Use tooling provided by the Kubernetes provider			
	0	В	Use Runtime Fabric Ops Center			
	0	С	Use Anypoint Platform APIs to retrieve real-time node performance data			
	0	D	Use the Infrastructure tab within Anypoint Monitoring			

# Deploying API implementations to CloudHub



1 A healthcare customer has to set up a VPC and is anticipating close to 120 APIs.

What could the customer's minimum CIDR block look like to accommodate three nonproduction environments (Dev, QA, UAT)?

- A 169.254.0.0/28
   B 169.254.0.0/16
- \_
- © C 169.254.0.0/22
- O D 169.254.0.0/18

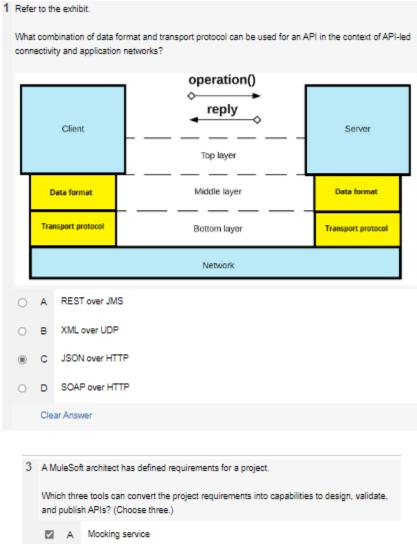
3	An application is running on two CloudHub workers/replicas using 0.1 vCores each. Often the application crashes, and it is determined that the cause is an "out of disk space" error. The disk space required by the application briefly exceeds 10GB for legitimate reasons.								
	Whi	ch act	tion should the team take to remediate the problem?						
	0	Α	Deploy the application to Anypoint Runtime Fabric						
	•	В	Increase the worker/replica size to 1.0 vCores						
	0	С	Increase the CloudHub local attached disk size to 10GB						
	0	D	Increase the number of workers/replicas to three						
3		entry	rmines the uniqueness of the fully qualified domain name (FQDN), also known as a created when a Mule application is deployed to the CloudHub 1.0 Shared Worker						
	0	Α	The application name and the Anypoint Platform master organization						
	0	В	The application name only, but it can be modified by an Administrator after deployment						
	•	С	The application name and the region where the application is deployed						
	0	D	The application name, irrespective of the region, environment, and VPC design						

35 A client uses CloudHub 1.0 in the U.S. East region and wants disaster recovery in the U.S. West region using the backup and restore option (Recovery Point Objective in hours, Recovery Time Objective in 24 hours or less). There are several applications (apps)/APIs deployed in the Production environment that connect to the client's private cloud through transit gateway and similarly to on-premises through VPN. The client's private cloud uses Direct Connect by following AWS resiliency recommendations to communicate with U.S. East and West on-premises. The client's AWS private cloud team has already completed disaster recovery script and standalone testing. What will address disaster recovery for the client? A All the apps and APIs deployed in Prod are in high-availability mode, and it is MuleSoft's (the vendor's) responsibility to do disaster recovery. Complete the request form to set up disaster recovery testing. After completion of testing, notify the vendor of completion. B Request client to procure additional MuleSoft licenses for VPC and VPN to start the U.S. West CloudHub 1.0 instances. Establish respective VPN and transit gateway connections between the client's on-premises and private cloud. Deploy all applications along with identified minor changes. After testing, delete the apps but do not delete the VPN and transit gateway connectivity. C Change on-premises traffic routing from CloudHub 1.0 through the client's private cloud to Direct Connect for U.S. East. For disaster recovery, establish a respective transit gateway connection in U.S. West between CloudHub 1.0 and the client's private cloud. Deploy all applications along with identified minor changes in U.S. West CloudHub 1.0 After completion of testing, delete the setup on U.S. West CloudHub 1.0 instance. D Request client to procure additional MuleSoft licenses for VPC, VPN, vCores, and so on to start the U.S. West CloudHub 1.0 instances. Establish respective VPN and transit gateway connections between the client's on-premises and private cloud. Deploy all applications along with identified minor changes. After completion of testing, shut down the applications. 1 An Order Mule application is deployed to a CloudHub 1.0 environment that is bound to a CloudHub 1.0 virtual private cloud (VPC). No dedicated load balancers are configured. Which networking features can be configured for the deployment of the Mule application to this CloudHub 1.0 environment? O A Two-way mutual authentication between the CloudHub 1.0 shared load balancer and the Order Mule application B HTTPS connections to the Order Mule application using custom vanity domains O Static IP addresses for the CloudHub 1.0 workers/replicas running the Order Mule application

#### Explaining application network basics

MCPA Practise Test 19

Mapping rules to map external URLs to endpoints of the Order Mule application



and publish APIs? (Choose three.)

A Mocking service

B Design Center

C Exchange

D Anypoint Monitoring

E Runtime Manager

API libraries

1	A customer wants to implement an API endpoint in the Mule application to receive API requests in the Mule application so that API policies defined in API Manager are prope applied and enforced, and the API endpoint must return a response to API clients.						
	Whi	ch typ	ne of data format(s) and/or transport protocol should be used?				
	0	Α	JSON or XML formatted data received over TCP or UDP connections. A response to each API client request is not required.				
	0	В	Any formatted data received over JMS, REST, and websockets connections.  A response to each API client request is required when present.				
		С	Any data format received over HTTP/1.x.				
			A response to each API client request is required.				
	0	D	SOAP formatted data received over SMTP connections.				
		_	A response to each API client request is not supported.				
2	A retail company wants to expose its API to external customers. The customers will consume the API data either from their mobile devices or from their desktops/laptops devices. The data needs to be customized for the different device consumers.						
	In which API-led Connectivity Layer should these API(s) be placed?						
	0	Α	Composition				
	0	В	System				
	•	С	Experience				
	0	D	Process				

### Meeting API quality goals

1	Whic	h sce	enario benefits from horizontal scaling?
	0	Α	An API that performs heavy data transformation
	0	В	An API that receives infrequent but large JSON payload
	0	С	API implementations that are stateful in nature
		D	An API proxy that receives frequent but small payloads

27 A Mule application is deployed to a single CloudHub worker/replica. The Mule application acts as an API client to several API implementations, and each API requires a short-lived access token from the Mule application in each API invocation. A storage mechanism is required to store these frequently changing, short-lived access tokens for use by the Mule application. The same access token must be read in subsequent invocations of the Mule application's flows until the token expires and is replaced. Which out-of-the-box Anypoint Connector and Anypoint Platform Runtime Manager deployment option can store these access tokens? A Use an Object Store Connector in the Mule application and deploy the Mule application configured with persistence gateway B Use an Object Store Connector in the Mule application and deploy the Mule application configured with non-persistent Object Store Use a VM Connector in the Mule application and deploy the Mule application configured with persistent queues Use a VM Connector in the Mule application and deploy the Mule application configured with non-persistent queues 1 An API implementation is being designed that must invoke an Order API. The Order API is known to repeatedly experience downtime. For this reason, a fallback API is to be called when the Order API is unavailable. Which approach to designing the invocation of the fallback API provides the best resilience? O A Redirect client requests through an HTTP 307 Temporary Redirect status code to the fallback API whenever the Order API is unavailable B Set an option in the HTTP Requester component that invokes the Order API to invoke a fallback API whenever an HTTP 4xx or 5xx response status code is returned from the Order API C Search Anypoint Exchange for a suitable existing fallback API, and then implement invocations to this fallback API whenever the Order API is unavailable O D Create a separate entry for the Order API in API Manager, and then invoke this API as a fallback API if the primary Order API is unavailable 11 An organization is deploying a new implementation of the OrderStatus System API to multiple workers/replicas in CloudHub. This API fronts the organization's on-premises Order Management System, which is securely accessed from the OrderStatus System API. The API is built with a circuit breaker retry capability. Which type of error will result in a need to manually restart the OrderStatus System API? A The AWS region goes offline with a major network failure to the relevant AWS data centers B API Manager has an extended outage during the initial deployment of the API implementation C The Order Management System is inaccessible for eight hours due to a network outage in the organization's on-premises data center D A CloudHub worker/replica fails with an Out of Memory exception

3	Which two scenarios are suitable for a Cache scope? (Choose two.)							
		Α	To store custom data					
	<b>V</b>	В	To reduce the processing load on the API instance					
		С	To store streaming payload					
		D	To store watermarks					
		Ε	To store the data returned from the outbound connector that does not change frequently					
3	An eCommerce company notices a substantial increase of request calls to the Order API since a new product has been added to their catalog. The clients are now often experiencing a performance decrease and timeout errors; therefore, they are not able to complete the orders. This issue results in a loss of money for the company.							
	Give		application is deployed to CloudHub, what is the simplest solution to resolve the					
	0	Α	Apply vertical scaling					
	0	В	Revisit and change the implementation of the Order API, adding a cache scope					
	0	С	Revisit and change the implementation of the Order API, adding an Anypoint MQ					
	•	D	Apply horizontal scaling					

2	23	A set of tests must be performed prior to deploying API implementations to a staging environment. Due to data security and access restrictions, untested APIs cannot be granted access to the backend systems, so instead mocked data must be used for these tests. The amount of available mocked data and its contents is sufficient to entirely test the API implementations with no active connections to the backend systems.								
		What	/hat type of tests should be used to incorporate this mocked data?							
			Α	Performance tests						
			В	Integration tests						
			С	Functional tests (black box)						
			D	Unit tests (white box)						

21	A system API is deployed to a primary environment as well as to a disaster recovery (DR) environment, with different DNS names in each environment. A process API is a client to the system API and is being rate limited by the system API, with different limits in each of the environments. The system API's DR environment provides only 20% of the rate limiting offered by the primary environment.										
	What is the best API fault-tolerant invocation strategy to reduce overall errors in the process API, given the constraints?										
		Α	Invoke the system API deployed to the primary environment; add timeout and retry logic to the process API to avoid intermittent failures; if it still fails, invoke a copy of the process API deployed to the DR environment								
		В	In parallel, invoke the system API deployed to the primary environment and the system API deployed to the DR environment; add timeout and retry logic to the process API to avoid intermittent failures; add logic to the process API to combine the results								
	•	С	Invoke the system API deployed to the primary environment; add timeout and retry logic to the process API to avoid intermittent failures; if it still fails, invoke the system API deployed to the DR environment								
	Invoke the system API deployed to the primary environment; add retry logic to the process API to handle intermittent failures by invoking the system API deployed to the DR environment										
20	A company requires Mule applications deployed to CloudHub to be isolated between non-production and production environments. This is so Mule applications deployed to non-production environments can only access backend systems running in their customer-hosted non-production environment, and so Mule applications deployed to production environments can only access backend systems running in their customer-hosted production environment.										
			MuleSoft recommend modifying Mule applications, configuring environments, or changing infrastructure to support per-environment isolation between Mule applications and backend systems?								
		Α	Modify properties of Mule applications deployed to the production Anypoint Platform environments to prevent access from non-production Mule applications								
	•	В	Create separate Anypoint VPCs for non-production and production environments, then configure connections to the backend systems in the corresponding customer-hosted environments								
		С	Configure firewall rules in the infrastructure inside each customer-hosted environment so that only IP addresses from the corresponding Anypoint Platform environments are allowed to communicate with corresponding backend systems								
	Create non-production and production environments in different Anypoint Platform business groups										

	19	A company uses a hybrid Anypoint Platform deployment model that combines the EU control plane with customer-h Mule runtimes. After successfully testing a Mule API implementation in the Staging environment, the Mule API imple is set with environment-specific properties and must be promoted to the Production environment.										
		What is a way that MuleSoft recommends to configure the Mule API implementation and automate its promotion to the Production environment?										
		•	Α	pror	ndle properties files for each environment into the Mule API implementation's deployable archive, then mote the Mule API implementation to the Production environment using Anypoint CLI or the Anypoint Platfor ST APIs							
			В		dify the Mule API implementation's properties in the API Manager Properties tab, then promote the Mule API lementation to the Production environment using API Manager							
			С		dify the Mule API implementation's properties in Anypoint Exchange, then promote the Mule API ementation to the Production environment using Runtime Manager							
			D		e an API policy to change properties in the Mule API implementation deployed to the Staging environment ar ther API policy to deploy the Mule API implementation to the Production environment							
Ī	17				s created a successful enterprise data model (EDM). The company is committed to building an application opting modern APIs as a core enabler of the company's IT operating model.							
				API tier dels?	rs (experience, process, system) should the company require reusing the EDM when designing modern API							
			Α	Att	the experience and process tiers							
			В	Att	the experience, process, and system tiers							
			С	Att	the process and system tiers							
			D	Att	the experience and system tiers							
	<b>~</b>	Points	: 1 T	ime Ta	aken: 0:24							
		1	4	An AP	Pl implementation returns three X-RateLimit-* HTTP response headers to a requesting API client.							
				What	type of information do these response headers indicate to the API client?							
					A Correlation ID that should be sent in the next request							
				•	B The remaining capacity allowed by the API implementation							
					C The error codes that result from throttling							
					D The HTTP response size							
		•	P	oints:	1 Time Taken: 0:21							

		13	Due to a limitation in the backend system, a system API can only handle up to 500 requests per second.						
			Wha	t is th	e best type of API policy to apply to the system API to avoid overloading the backend system?				
				Α	Spike control				
				В	Rate limiting				
				С	Rate limiting - SLA based				
				D	HTTP caching				
		<b>/</b>	Points	: 1 Tir	me Taken: 2:53				
12	invo	anizat oke th vhat ty	tion w e orga ype of	ants to anizati API ir	ts to make sure only known partners can invoke the organization's APIs. To achieve this security goal, the o enforce a Client ID Enforcement policy in API Manager so that only registered partner applications can ion's APIs.  mplementation does MuleSoft recommend adding an API proxy to enforce the Client ID Enforcement mbedding the policy directly in the application's JVM?				
		Α	AI	Viule 3	application using APIkit				
		В	AI	Viule 4	application with an API specification				
		С	AI	Viule 3	or Mule 4 application modified with custom Java code				
		D	Ar	non-M	ule application				
<b>✓</b> F	Point	s: 1 T	ime T	aken:	0:51				
10	a	oplica	tion d	ata an	to move its Mule API implementations into production as quickly as possible. To protect access to all Mule and metadata, the company requires that all Mule applications be deployed to the company's customer- re within the corporate firewall.				
	W	/hat o	ombir	ation	of runtime plane and control plane options meets these project lifecycle goals?				
		) /	A i	PaaS	provisioned customer-hosted runtime plane and MuleSoft-hosted control plane				
		) [	в	/luleS	oft-hosted runtime plane and customer-hosted control plane				
	(	• (	c N	/lanua	ally provisioned customer-hosted runtime plane and customer-hosted control plane				
		) (	D 1	/lanua	ally provisioned customer-hosted runtime plane and MuleSoft-hosted control plane				
~	Poi	nts: 1	Time	Taker	n: 0:50				

9	A company wants to move its Mule API implementations into production as quickly as possible. The company's InfoSec group requires that all APIs be accessed using HTTPS and two-way authentication.								
	What	comb	pination of runtime plane and control plane options meets these project lifecycle goals?						
		Α	Manually provisioned customer-hosted runtime plane and MuleSoft-hosted control plane						
		В	iPaaS provisioned customer-hosted runtime plane and MuleSoft-hosted control plane						
		С	Manually provisioned customer-hosted runtime plane and customer-hosted control plane						
	•	D	MuleSoft-hosted runtime plane and MuleSoft-hosted control plane						
<b>V</b>	oints:	1 Tin	ne Taken: 1:23						
8			ration wants MuleSoft-hosted runtime plane features (such as HTTP load balancing, zero downtime, and horizontal al scaling) in its Azure environment.						
	Wha	t runti	me plane minimizes the organization's effort to achieve these features?						
		Α	CloudHub						
		В	A hybrid combination of customer-hosted and MuleSoft-hosted Mule runtimes						
		С	Anypoint Platform for Pivotal Cloud Foundry						
		D	Anypoint Runtime Fabric						
~	Points	: 1 Tir	ne Taken: 2:35						
7	syst tear	ems a	ization is starting an API-led connectivity journey and is deciding between deployment options. Currently, all their are customer-hosted on their premises. A CloudHub region is available close to their data center and their InfoSec approved the usage of an IPsec tunnel. The organization has agreed to use a cloud-first approach and in some lication deployments the Mule runtime must be fine-tuned for lower latency.						
	Wha	at is th	ne best runtime plane option for the organization, given their current systems and requirements?						
		Α	Anypoint Runtime Fabric						
		В	CloudHub workers in a CloudHub region nearest to their data center						
		С	Customer-hosted Mule runtimes						
		D	A hybrid combination of customer-hosted and MuleSoft-hosted Mule runtimes						
	✓ Points: 1 Time Taken: 0:59								

6	What is the main change to the IT operating model that MuleSoft recommends to organizations to improve innovation and clock speed?								
	<ul> <li>A Create a lean and agile organization that makes many small decisions everyday; this speeds and enables each line of business to take ownership of its projects</li> </ul>								
	0	В		consumption as much as production of assets; this enables developers to discover and reuse assets from projects and encourages standardization					
		С		e assets using a Master Data Management (MDM) system; this standardizes projects and enables opers to quickly discover and reuse assets from other projects					
		D		ment SOA for reusable APIs to focus on production over consumption; this standardizes on XML and formats to speed up decision making					
<b>~</b>	Points:	1 Tim	e Take	n: 0:20					
	3	An	API clie	ent calls one method from an existing API implementation. The API implementation is later updated.					
		Wh	at char	ge to the API implementation would require the API client's invocation logic to also be updated?					
			Α	When a new method is added to the resource used by the API client					
			В	When a new required field is added to the method called by the API client					
			С	When the data type of the response is changed for the method called by the API client					
			D	When a child method is added to the method called by the API client					
	<b>~</b>	Point	s: 1 Tir	ne Taken: 1:28					
2			y has s onal m	started to create an application network and is now planning to implement a Center for Enablement (C4E) odel.					
	Wha	t key	factor	would lead the company to decide upon a federated rather than a centralized C4E?					
		Α	Whe	n various teams responsible for creating APIs are new to integration and hence need extensive training					
		В	Whe	n the majority of the applications in the application network are cloud based					
	•	С	Whe	n development is already organized into several independent initiatives or groups					
		D	Whe	n there are a large number of existing common assets shared by development teams					
-	Points	a 1 Ti	me Tak	en: 1:42					

A retail company is using an Order API to accept new orders. The Order API uses a JMS queue to submit orders to a backend order management service.

The normal load for orders is being handled using two (2) CloudHub workers, each configured with 0.2 vCore. The CPU load of each CloudHub worker normally runs well below 70%. However, several times during the year the Order API gets four times (4x) the average number of orders. This causes the CloudHub worker CPU load to exceed 90% and the order submission time to exceed 30 seconds. The cause, however, is NOT the backend order management service, which still responds fast enough to meet the response SLA for the Order API.

What is the MOST resource-efficient way to configure the Mule application's CloudHub deployment to help the company cope with this performance challenge?

A Permanently increase the size of each of the two (2) CloudHub workers by at least four times (4x) to one (1) vCore

B Use a horizontal CloudHub autoscaling policy that triggers on CPU utilization greater than 70%

C Use a vertical CloudHub autoscaling policy that triggers on CPU utilization greater than 70%

Permanently increase the number of CloudHub workers by four times (4x) to eight (8) CloudHub workers

#### Wrong

- 22) d
- 18) a
- 16) c
- 15) b
- 11) d
- 5)
- 4) a
- A system API has a guaranteed SLA of 100 ms per request. The system API is deployed to a primary environment as well as to a disaster recovery (DR) environment, with different DNS names in each environment. An upstream process API invokes the system API and the main goal of this process API is to respond to client requests in the least possible time.

  In what order should the system APIs be invoked, and what changes should be made in order to speed up the response time for requests from the process API?

  A Invoke the system API deployed to the primary environment, and if it fails, invoke the system API deployed to the DR environment

  B In parallel, invoke the system API deployed to the primary environment and the system API deployed to the DR environment using a scatter-gather configured with a timeout, and then merge the responses

  C Invoke ONLY the system API deployed to the primary environment, and add timeout and retry logic to avoid intermittent failures

  D In parallel, invoke the system API deployed to the primary environment and the system API deployed to the DR environment, and ONLY use the first response

	10		ddresses. The Mule application expects a high volume of client requests in short time periods.						
		What	is the	e most cost-effective infrastructure component that should be used to serve the high volume of client requests?					
			Α	The CloudHub shared load balancer					
			В	Runtime Manager autoscaling					
			С	An API proxy					
			D	A customer-hosted load balancer					
3	K F	oints:	1 Tin	ne Taken: 1:19					
16	sy	stem.	The	on has created an API-led architecture that uses various API layers to integrate mobile clients with a backend backend system consists of a number of specialized components and can be accessed via a REST API. The experience APIs share the same bounded-context model that is different from the backend data model.					
				ial canonical models, bounded-context models, or anti-corruption layers are best added to this architecture to data consumed from the backend system?					
		Α (		reate a bounded-context model for every layer and overlap them when the boundary contexts overlap, letting PI developers know about the differences between upstream and downstream data models					
	(0)	В		reate a canonical model that combines the backend and API-led models to simplify and unify data models, and inimize data transformations					
		reate a bounded-context model for the system layer to closely match the backend data model, and add an anti- orruption layer to let the different bounded contexts cooperate across the system and process layers							
		0		reate an anti-corruption layer for every API to perform transformation for every data model to match each other, nd let data simply travel between APIs to avoid the complexity and overhead of building canonical models					
×	Poir	its: 1	Time	Taken: 0:44					
	15			outed through an API proxy to an API implementation. The API proxy is managed by API Manager and the API tation is deployed to a CloudHub VPC using Runtime Manager. API policies have been applied to this API.					
		In th	is de	ployment scenario, at what point are the API policies enforced on incoming API client requests?					
			Α	At both the API proxy and the API implementation					
			В	At the API proxy					
			С	At a MuleSoft-hosted load balancer					
		•	D	At the API implementation					
M Points: 1 Time Taken: 0:39									

11	An Anypoint Platform organization has been configured with an external identity provider (IdP) for identity management and client management.			
	What credentials or token must be provided to Anypoint CLI to execute commands against the Anypoint Platform APIs?			
		Α	The credentials provided by the IdP for client management	
		В	An OAuth 2.0 token generated using the credentials provided by the IdP for client management	
	•	С	An OAuth 2.0 token generated using the credentials provided by the IdP for identity management	
		D	The credentials provided by the IdP for identity management	
Points: 1 Time Taken: 1:12				
5	A retail company with thousands of stores has an API to receive data about purchases and insert it into a single database. Each individual store sends a batch of purchase data to the API about every 30 minutes.			
	The API implementation uses a database bulk insert command to submit all the purchase data to a database using a custom JDBC driver provided by a data analytics solution provider. The API implementation is deployed to a single CloudHub worker. The JDBC driver processes the data into a set of several temporary disk files on the CloudHub worker, and then the data is sent to an analytics engine using a proprietary protocol. This process usually takes less than a few minutes.			
	Sometimes a request fails. In this case, the logs show a message from the JDBC driver indicating an out-of-file-space message. When the request is resubmitted, it is successful.			
	What is the best way to try to resolve this throughput issue?			
		Α	Increase the number of CloudHub workers	
		В	Increase the size of the CloudHub worker(s)	
		С	Use a CloudHub autoscaling policy to add CloudHub workers	
		D	Use a CloudHub autoscaling policy to increase the size of the CloudHub worker	
4		Version 3.0.1 of a REST API implementation represents time values in PST time using ISO 8601 hh:mm:ss format. The API implementation needs to be changed to instead represent time values in CEST time using ISO 8601 hh:mm:ss format.		
	When following the semver.org semantic versioning specification, what version should be assigned to the updated API implementation?			
		Α	4.0.0	
		В	3.1.0	
		С	3.0.2	
		D	3.0.1	
×	Points	Points: 1 Time Taken: 15:38		