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Question 1: **Correct**

**How are multiple conditions used in a Choice router to route events?**

* ​

None of these

* ​

To route the same event to the matched route of EVERY true condition

* ​

To find the FIRST true condition, then distribute the event to the ONE matched route.

**(Correct)**

* ​

To find the FIRST true condition, then route the same event to the matched route and ALL FOLLOWING routes

**Explanation**

Choice router finds the FIRST true condition, then distribute the event to the ONE matched route.

MuleSoft Doc Ref : <https://docs.mulesoft.com/mule-runtime/4.1/choice-router-concept>

The Choice router dynamically routes messages through a flow according to a set of DataWeave expressions that evaluate message content. Each expression is associated with a different routing option. The effect is to add conditional processing to a flow, similar to an if/then/else code block in most programming languages.

Only one of the routes in the Choice router executes, meaning that the first expression that evaluates to true triggers that route’s execution and the others are not checked. If none of the expressions are true, then the default route executes.

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Question 2: **Correct**

**How we can scale deployed Mule application vertically on cloudhub?**

* ​

Changing worker size

**(Correct)**

* ​

Adding multiple workers

* ​

Mule applications can be scaled only horizontally

* ​

Changing worker size and Adding multiple workers

**Explanation**

Correct answer is **Changing worker size**

Mule applications can be scaled vertically by changing worker size. Mule applications can be scaled horizontally by adding more workers.

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Question 3: **Correct**

**Which of the below is not a valid category for connector type?**

* ​

Premium

* ​

Select

* ​

Community

* ​

Gold

**(Correct)**

**Explanation**

Gold is not valid category for connector types.

MuleSoft Doc Ref : <https://docs.mulesoft.com/mule-runtime/3.7/anypoint-connectors#connector-support-categories>

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Question 4: **Correct**

What is the default port used by Mule application debugger configuration in Anypoint Studio?

* ​

6666

**(Correct)**

* ​

8080

* ​

7777

* ​

8082

**Explanation**

By default, Debugger listens for incoming TCP connections on localhost port 6666 You can change this in a project's run configuration.

MuleSoft Doc Ref : <https://docs.mulesoft.com/studio/7.5/visual-debugger-concept>

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Question 5: **Incorrect**

**What is not the function of API Gateway ?**

* ​

Meter the traffic flowing through

**(Incorrect)**

* ​

Determine which traffic is authorized to pass through the API to backend services

* ​

Logs all transactions , collecting and tracking analytics data

* ​

Specify throttling , security and other policies

**(Correct)**

**Explanation**

Correct answer is **Specify throttling , security and other policies**

MuleSoft Doc Ref : <https://docs.mulesoft.com/api-manager/2.x/api-gateway-capabilities-mule4>

API Gateway is responsible for below functions.

1) Determine which traffic is authorized

2) Meter the traffic

3) Logs transaction

4) Apply throttling and other policies (Not specifying. These are specified in API Manager)

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Question 6: **Correct**

Which file is used to define the interface contract to invoke a web service implemented as a SOAP service?

* ​

RAML

* ​

WSDL

**(Correct)**

* ​

JSON

* ​

OAS

**Explanation**

Correct answer is **WSDL**

WSDL is used to define the contract in case of SOAP . RAML/OAS is used to REST services

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Question 7: **Incorrect**

**What of the below is not a feature of API Notebooks?**

* ​

Creates a mock service for an API

**(Correct)**

* ​

API documentation

* ​

Creates a client for an API

* ​

Perform authenticated live calls on a real server

**(Incorrect)**

**Explanation**

Correct answer is **Creates a mock service for an API**

API Notebook is an open source, shareable web application for API documentation, interactive API tutorial and example generatation, and a client for your API endpoints. Using API Notebook, you can make requests and quickly transform the responses into readable format.  However it cannot be used to mock service for an API.

MuleSoft Doc Ref : <https://docs.mulesoft.com/api-manager/1.x/api-notebook-concept>

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Question 8: **Correct**

**Which of the following is invalid type of event processor which can be used as a router ?**

* ​

Pick First

**(Correct)**

* ​

Round Robin

* ​

First Successful

* ​

Choice

**Explanation**

**Pick First** is not valid type. Rest all are valid type of event processor.

Choice : <https://docs.mulesoft.com/mule-runtime/4.3/choice-router-concept>

Round Robin : <https://docs.mulesoft.com/mule-runtime/4.3/round-robin>

First Successful : <https://docs.mulesoft.com/mule-runtime/4.3/first-successful>

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Question 9: **Correct**

**How many Mule applications can run on a CloudHub worker?**

* ​

Depends

* ​

At most one

**(Correct)**

* ​

None of these

* ​

At least one

**Explanation**

One cloudhub worker can host one Mule application only

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Question 10: **Correct**

There are three routes configured for Scatter-Gather and incoming event has a payload is an Array of three objects. How routing will take place in this scenario?

* ​

Incoming array objects would be split into three and each part would be sent to one route each in parallel

* ​

Incoming array objects would be split into three and each part would be sent to one route each in sequential manner

* ​

Entire event would be sent to each route in parallel

**(Correct)**

* ​

Entire event would be sent to each route sequentially

**Explanation**

Entire event would be sent to each route in parallel.

Scatter-Gather works as follows :  
- The Scatter-Gather component receives a Mule event and sends a reference of this Mule event to each processing route.

- Each of the processing routes starts executing in parallel. After all processors inside a route finish processing, the route returns a Mule event, which can be either the same Mule event without modifications or a new Mule event created by the processors in the route as a result of the modifications applied.

- After all processing routes have finished execution, the Scatter-Gather component creates a new Mule event that combines all resulting Mule events from each route, and then passes the new Mule event to the next component in the flow.

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Question 11: **Correct**

**What is the object type returned by the File List operation?**

* ​

Object of Mule event objects

* ​

Array of String file names

* ​

Array of Mule event objects

**(Correct)**

* ​

Object of String file names

**Explanation**

The List operation returns an array of messages in which: Each message holds the file’s content in its payload. The file’s attributes section carries the file’s metadata (such as name, creation time, and size). The payload is empty if the element is a folder.

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Question 12: **Correct**

**What HTTP method in a RESTful web service is typically used to completely replace an existing resource?**

* ​

PATCH

* ​

PUT

**(Correct)**

* ​

POST

* ​

GET

**Explanation**

PUT replaces the original version of the resource, whereas the PATCH method supplies a set of instructions to modify the resource

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Question 13: **Incorrect**

**From which application , Organization Administrators can approve/revoke/delete SLA tier access requests**

* ​

API Exchange

* ​

API Gateway

**(Incorrect)**

* ​

API Manager

**(Correct)**

* ​

API Portal

**Explanation**

Organization Administrators can approve/revoke/delete SLA tier access requests via **API Manager** only

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Question 14: **Correct**

**What is minimal requirement in a flow for a Mule application to compile?**

* ​

Source and processors both

* ​

Event Processors

**(Correct)**

* ​

Error handlers

* ​

Event Source

**Explanation**

Each flow must have one or more Event Processor section to get compiled successfully.

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Question 15: **Incorrect**

**Where is metadata stored in a Mule project**

* ​

application-types.xml

**(Correct)**

* ​

POM.xml file

**(Incorrect)**

* ​

Config.yaml file

* ​

Global Element

**Explanation**

Metadata is stored in application-types.xml flle located under src/main/resources.

Mule 4 applications contain an application-types.xml file, which is where metadata around your data types is stored. For example, if you create a new CSV type, that metadata will be added to this file. This new file is easy to share, commit, and merge when conflicts arise, which enables you to do more metadata-driven development.

MuleSoft Doc Ref : <https://docs.mulesoft.com/mule-runtime/4.3/intro-studio#metadata-storage>

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Question 16: **Correct**

**How are query parameters dynamically passed to an outbound REST request using an HTTP Request operation?**

* ​

In the Mule event's payload

* ​

As URI parameters in the HTTP Request operation

* ​

As flow variables

* ​

As query parameters in the HTTP Request operation

**(Correct)**

**Explanation**

In General > Request > Query Parameters, click the plus icon (+) to add a parameter to a request. Type a name and value for the parameter or use a DataWeave expression to define the name and value.

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Question 17: **Correct**

**Where would you create SLA Tiers for an API?**

* ​

Exchange

* ​

API Manager

**(Correct)**

* ​

Anypoint Studio

* ​

In RAML specifications

**Explanation**

SLA Tiers are created in API Manager.

MuleSoft Doc Ref : <https://docs.mulesoft.com/api-manager/2.x/policy-mule3-tutorial-manage-an-api#to-add-the-tier>

Steps to create SLA Tier are as follows:

1) In API Manager, in API Administration, click a version.

2) Check that the API supports resource-level policies: On the API version details page, in Status, click Configure Endpoint, and check that Type is RAML.

3) Choose the SLA Tiers, and click Add SLA Tier. Set up limit on SLA tier

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Question 18: **Correct**

**Which keyword do you use to create a new function in DataWeave?**

* ​

map

* ​

function

* ​

fun

**(Correct)**

* ​

func

**Explanation**

You can define your own DataWeave functions using the fun declaration in the header of a DataWeave script. Sample is as below. ----------------------------------------

%dw 2.0

output application/json

fun toUpper(aString) = upper(aString)

---

toUpper("hello")

MuleSoft Doc Ref : <https://docs.mulesoft.com/mule-runtime/4.1/dataweave-functions>

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Question 19: **Correct**

**What is the purpose of the api:router element in APIkit?**

* ​

Serves as an API implementation

* ​

Validates requests against RAML API specifications and routes them to API implementations

**(Correct)**

* ​

Creates native connectors using a 3rd party Java library

* ​

Validates responses returned from API requests and routes them back to the caller

**Explanation**

Correct answer is **Validates requests against RAML API specifications and routes them to API implementations**

The APIkit Router is a key message processor that validates requests against the provided definition, enriches messages (for example by adding default values to the messages) and routes requests to a particular flow. Also, the Router raises errors messages if errors occurs while routing, validating or processing the user request.

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Question 20: **Correct**

**Which of the below is used by Mule application to manage dependencies which make sharing the projects lightweight and easier**

* ​

Configuration file

* ​

Cloudhub

* ​

POM.xml

**(Correct)**

* ​

Global element

**Explanation**

Correct answer is**POM.xml**

POM.xml contains info about the project and configurationn details used by Maven to build the project

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Question 21: **Correct**

**What is the trait name you would use for specifying client credentials in RAML?**

* ​

client-id

* ​

cannot be specified in RAML

* ​

headers

* ​

client-id-required

**(Correct)**

**Explanation**

client-id-required enforces clients to add client\_id and client\_secret.

Please refer to below steps.

1) Add a section called traits: at the root level to define query parameters:

traits:

- client-id-required:

queryParameters:

client\_id:

type: string

client\_secret:

type: string

2) Reference the trait in each of the methods to specify that each of the methods require these query parameters. After each method in the RAML file, add is: [client-id-required]. For example:

/users:

get:

is: [client-id-required]

description: Gets a list of JSONPlaceholder users.

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Question 22: **Correct**

**A flow has a JMS Publish consume operation followed by a JMS Publish operation. Both of these operations have the default configurations. Which operation is asynchronous and which one is synchronous?**

* ​

Publish consume: Asynchronous. Publish: Synchronous

* ​

Publish consume: Asynchronous. Publish: Asynchronous

* ​

Publish consume: Synchronous. Publish: Synchronous

* ​

Publish consume: Synchronous. Publish: Asynchronous.

**(Correct)**

**Explanation**

Correct answer is **Publish consume: Synchronous. Publish: Asynchronous.**

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Question 23: **Correct**

**What is not true about application properties?**

* ​

Application properties can be defined in .yaml file only

**(Correct)**

* ​

Application properties can be encrypted

* ​

Application properties provide easier way to manage configurable values

* ​

Application properties can be overridden with system properties

**Explanation**

Application properties can be defined in .yaml  or in .properties file.

MuleSoft Doc Ref : <https://docs.mulesoft.com/mule-runtime/4.3/configuring-properties#supported_files>

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Question 24: **Correct**

**Does a root element required when creating a XML response using Dataweave?**

* ​

Not required

* ​

None of these

* ​

Depends on requirement

* ​

Always required

**(Correct)**

**Explanation**

Root element is always required while creating XML response in DataWeave transformation.

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Question 25: **Correct**

**Which of the module is imported automatically in Dataweave scripts?**

* ​

dw::Core

**(Correct)**

* ​

dw::Crypto

* ​

dw::System

* ​

dw::Runtime

**Explanation**

Correct answer is **Core (dw::Core**)

This module contains core DataWeave functions for data transformations. It is automatically imported into any DataWeave script.

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Question 26: **Correct**

**How would you debug Mule applications?**

* ​

Checking RAML specifications

* ​

Using debugger component

**(Correct)**

* ​

Use third party debugger application

* ​

By Deploying apps on production

**Explanation**

Debugger can be used to debug applications to see event data moving from one flow to other.

MuleSoft Doc Ref : <https://docs.mulesoft.com/studio/7.5/mule-debugger-view-reference>

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Question 27: **Correct**

**What is the main purpose of flow designer in Design Center?**

* ​

To design and develop fully functional Mule applications in a hosted development environment

**(Correct)**

* ​

To design API RAML files in a graphical way

* ​

To design and mock Mule application templates that must be implemented using Anypoint Studio

* ​

To define API lifecycle management in a graphical way

**Explanation**

Its primary function is to design and develop fully functional Mule applications in a hosted development environment

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Question 28: **Correct**

**A Batch Job scope has five batch steps. An event processor throws an error in the second batch step because the input data is incomplete. What is the default behavior of the batch job after the error is thrown?**

* ​

All processing of the batch job stops.

**(Correct)**

* ​

Error is ignored

* ​

Event processing continues to the next batch step.

* ​

Batch is retried

**Explanation**

In case of an error , batch job completes in flight steps and stops further processing.

MuleSoft Doc Ref : [Handling Errors During Batch Job | MuleSoft Documentation](https://docs.mulesoft.com/mule-runtime/4.3/batch-error-handling-faq)

The default is all processing will stop but we can change it by Max Failed Record field.

**General -> Max Failed Records**: Mule has three options for handling a record-level error: **Finish processing**, **Continue processing** and **Continue processing** until the batch job accumulates a maximum number of failed records. This behavior can be controlled by **Max Failed Records**.

The default value is Zero which corresponds to **Finish processing**.

The value -1, corresponds to **Continue processing**.

The value +ve integer, corresponds to **Continue processing** until the batch job accumulates a maximum number of failed records

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Question 29: **Correct**

What module and operation will throw an error if a Mule events payload is not null?

* ​

None of these

* ​

Validation module?s Is not null operation

* ​

Filter module's Is Null operation

* ​

Validation module's Is Null operation

**(Correct)**

**Explanation**

Correct answer is **Validation module's Is Null operation**

Validate Null Fails if the value is not null and not an instance of NullPayload

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Question 30: **Correct**

What statement is a part of MuleSoft's description of an application network?

* ​

Creates reusable APIs and assets designed to be consumed by other business units

**(Correct)**

* ​

Leverages Central IT to deliver complete point-to-point solutions with master data management

* ​

Creates and manages high availability and fault tolerant services and infrastructure

* ​

Creates and manages a collection of JMS messaging services and infrastructure

**Explanation**

Correct answer is**Create reusable APIs and assets designed to be consumed by other business units**

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