



# MCD-LEVEL1<sup>Q&As</sup>

MuleSoft Certified Developer - Level 1 (Mule 4)

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**QUESTION 1**

What path setting is required for an HTTP Listener endpoint to route all requests to an APIkit router?

- A. /(\*)
- B. /
- C. /( )
- D. "/"

Correct Answer: D

Option1 is correct syntax to configure HTTP Listener endpoint

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**QUESTION 2**

As a part of project requirement , you want to build an API for a legacy client. Legacy client can only consume SOAP webservices. Which type the interface documentation can be prepared to meet the requirement?

- A. RAML file to define SOAP services
- B. WSDL file
- C. JSON file
- D. plain text file documenting API's

Correct Answer: B

Web Services Description Language. WSDL is used to describe SOAP based web services

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**QUESTION 3**

A mule project contains MySQL database dependency . The project is exported from Anypoint Studio so that it can be deployed to Cloudhub. What export options needs to be selected to create the smallest deployable archive that will successfully deploy to Cloudhub?

- A. Select both the options 1) Attach project sources 2) Include project module and dependencies
- B. No need to select any of the below options 1) Attach project sources 2) Include project module and dependencies
- C. Select only below option 2) Include project module and dependencies
- D. Select only below option 1) Attach project sources

Correct Answer: C

You can choose Attach Project Sources to include metadata that Studio requires to reimport the deployable file as an open Mule project into your workspace. You must keep the Attach Project Sources option selected to be able to import



the packaged JAR file back into a Studio workspace. But requirement here is to create smallest deployable archive that will successfully deploy to Cloudhub. Hence we can ignore this option. We need to select Include project module and dependencies As actual modules and external dependencies required to run the Mule application in a Mule runtime engine Hence correct answer is Select only below option 2) Include project module and dependencies MuleSoft Doc

Ref : <https://docs.mulesoft.com/studio/7.5/import-export-packages#exporting-a-studio-project-to-a-deployable-mule-application>

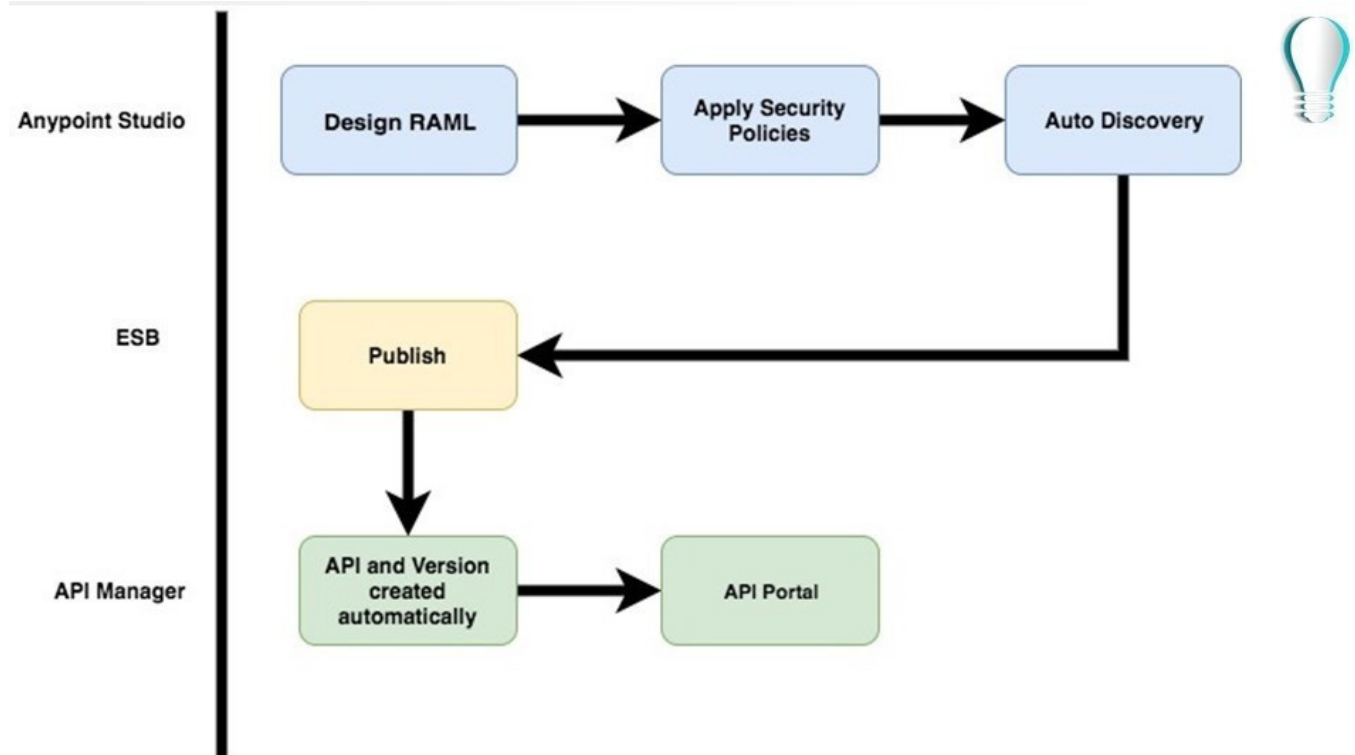
#### QUESTION 4

An API has been created in Design Center. What is the next step to make the API discoverable?

- A. Publish the API to Anypoint Exchange
- B. Publish the API from inside flow designer
- C. Deploy the API to a Maven repository
- D. Enable autodiscovery in API Manager

Correct Answer: A

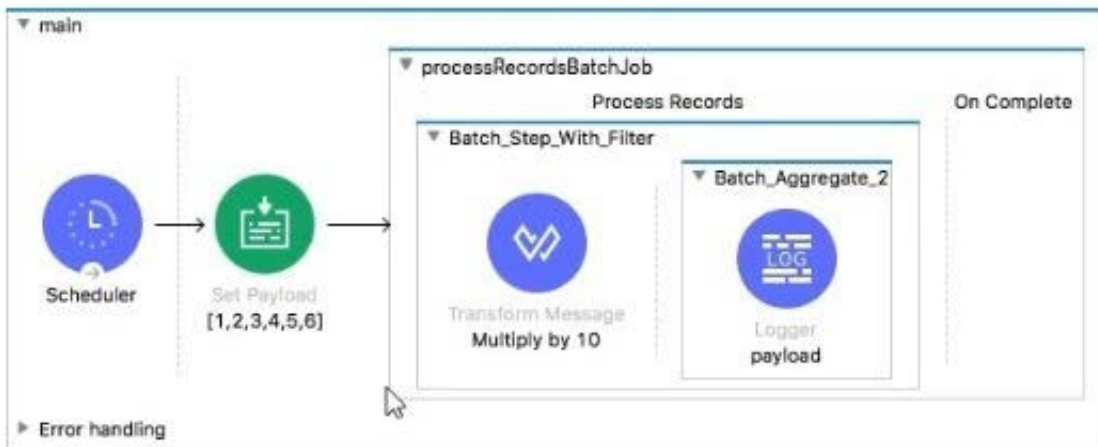
Correct answer is Publish the API to Anypoint Exchange Anypoint Exchange makes this possible by making it discoverable in below ways 1) In private exchange for internal developers 2) In a public portal for external developers/clients Here is diagram created by me to help you understand sequence:



#### QUESTION 5



Refer to the exhibit. The Batch Job processes, filters and aggregates records, What is the expected output from the Logger component?



```
<flow name="main" >
  <scheduler doc:name="Scheduler" > <scheduling-strategy>
    <fixed-frequency frequency="10000"/></scheduling-strategy> </scheduler>
  <set-payload value="#[[1,2,3,4,5,6]]" doc:name="[1,2,3,4,5,6]" />
  <batch:job jobName="processRecordsBatchJob" >
    <batch:process-records >
      <batch:step name="Batch_Step_With_Filter" acceptExpression="#[(payload mod 2) == 0]">
        <ee:transform doc:name="Multiply by 10"><ee:message>
          <ee:set-payload><![CDATA[%dw 2.0
            output application/java

            payload * 10]]></ee:set-payload>
        </ee:message></ee:transform>
        <batch:aggregator doc:name="Batch_Aggregate_2" size="2">
          <logger level="INFO" doc:name="payload" message="#[payload]" />
        </batch:aggregator>
      </batch:step>
    </batch:process-records>
  </batch:job>
</flow>
```

- A. [10. 20, 30. 40, 50, 60]
- B. [10. 20] [30, 40] [50, 60]
- C. [20, 40, 60]
- D. [20. 40] [60]

Correct Answer: D

\*

Batch scope has filter criteria which says payload mod 2 = 0 which means only 2, 4 and 6 will be in batch scope.

\*

So payload for each of these will be incremented by 10.



\*

Aggregator has batch size defined as 2. So it will process in batch of two records.

\*

Hence option 3 is correct answer. [20,40]

[60]

---

## QUESTION 6

Refer to the exhibit.

```
##RAML 1.0
title: ACME Airlines
version: 1.0

/flights:
  get:
    responses:
      200:
      404:

  /airline:
    get:
      queryParameters:
        code: string
      responses:
        200:
        404:

/accounts:
  get:
    responses:
      200:
      404:
  post:
    responses:
      201:
```

How many private flows does APIKIT generate from the RAML specification?

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: D

---



### QUESTION 7

A RAML specification is defined to manage customers with a unique identifier for each customer record. What URI does MuleSoft recommend to uniquely access the customer identified with the unique ID 1234?

- A. /customers?custid=trueandcustid=1234
- B. /customers/1234
- C. /customers/custid=1234
- D. /customers?operation=getandcustid=1234

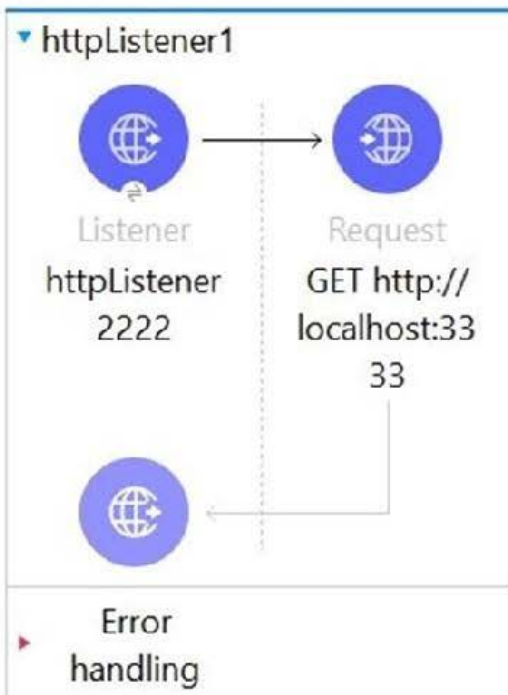
Correct Answer: B

URI parameter (Path Param) is basically used to identify a specific resource or resources . For eg : the URL to get employee details on the basis of employeeID will be GET /employees/{employeeID} where employees is resource and {employeeID} is URI parameter. Hence option 1 is the correct answer

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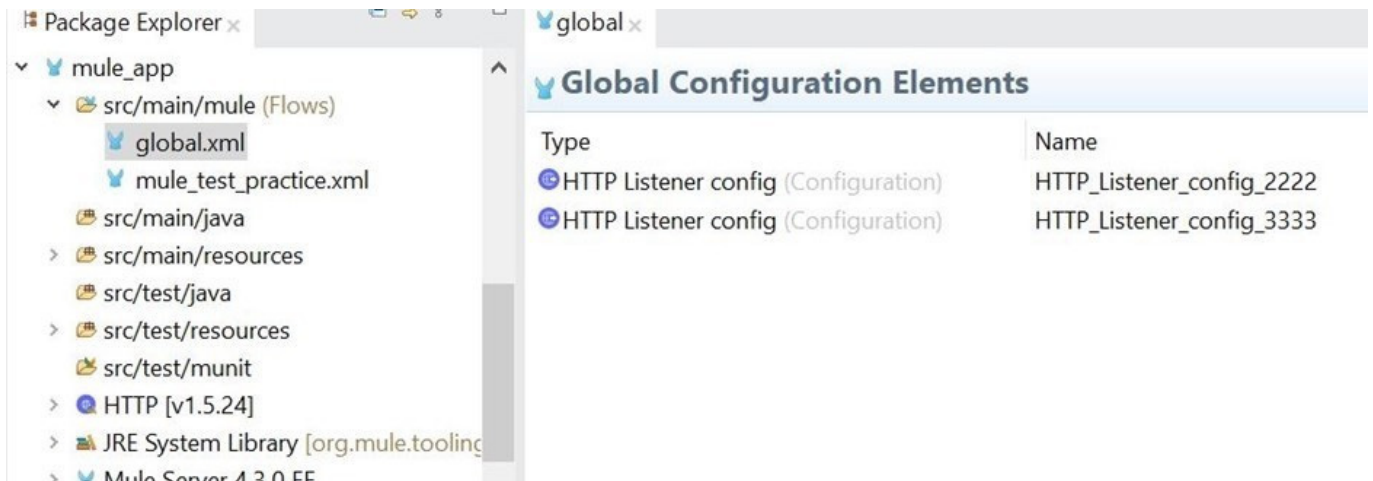
### QUESTION 8

Refer to the exhibits.



```
http://www.mulesoft.org/schema/mule/http http://www.mulesoft.org/schema/mule/http/current/mule-http.xsd http://www
<http:listener-config name="HTTP_Listener_config_2222"
  doc:name="HTTP Listener config"
  doc:id="c79e8446-0a5f-47f8-921f-b0af7fdd120c">
  <http:listener-connection host="0.0.0.0"
    port="2222"/>
</http:listener-config>
<http:listener-config name="HTTP_Listener_config_3333"
  doc:name="HTTP Listener config"
  doc:id="7270c604-9c86-464a-9962-6530e1168b01">
  <http:listener-connection host="0.0.0.0"
    port="3333"/>
</http:listener-config>
</mule>
```





The Mule application configures and uses two HTTP Listener global configuration elements.

Mule application is run in Anypoint Studio.

If the mule application starts correctly, what URI and port numbers can receive web client requests? If the mule applications fails to start , what is the reason for the failure?

- A. The mule application fails to start There is URL path conflict because both HTTP Listeners are configured with same path
- B. The mule application start successfully Web client requests can only be received at URI on port 2222 but not on port 3333
- C. The mule application fails to start because of the port binding conflict as HTTP request also use same port i.e. 3333
- D. The mule application start successfully Web client requests can be received at URI on port 2222 and on port 3333.

Correct Answer: D

In this case both the flows can start without any error and requests can be received on both ports. Flow names httpListener1 can call other flow using HTTP request without any issues.

## QUESTION 9

A Mule application configured with Autodiscovery implements an API. Where is governance enforced for policies defined for this Mule application?

- A. In Runtime Manager
- B. Runtime Manager
- C. In the Mule application
- D. In API manager

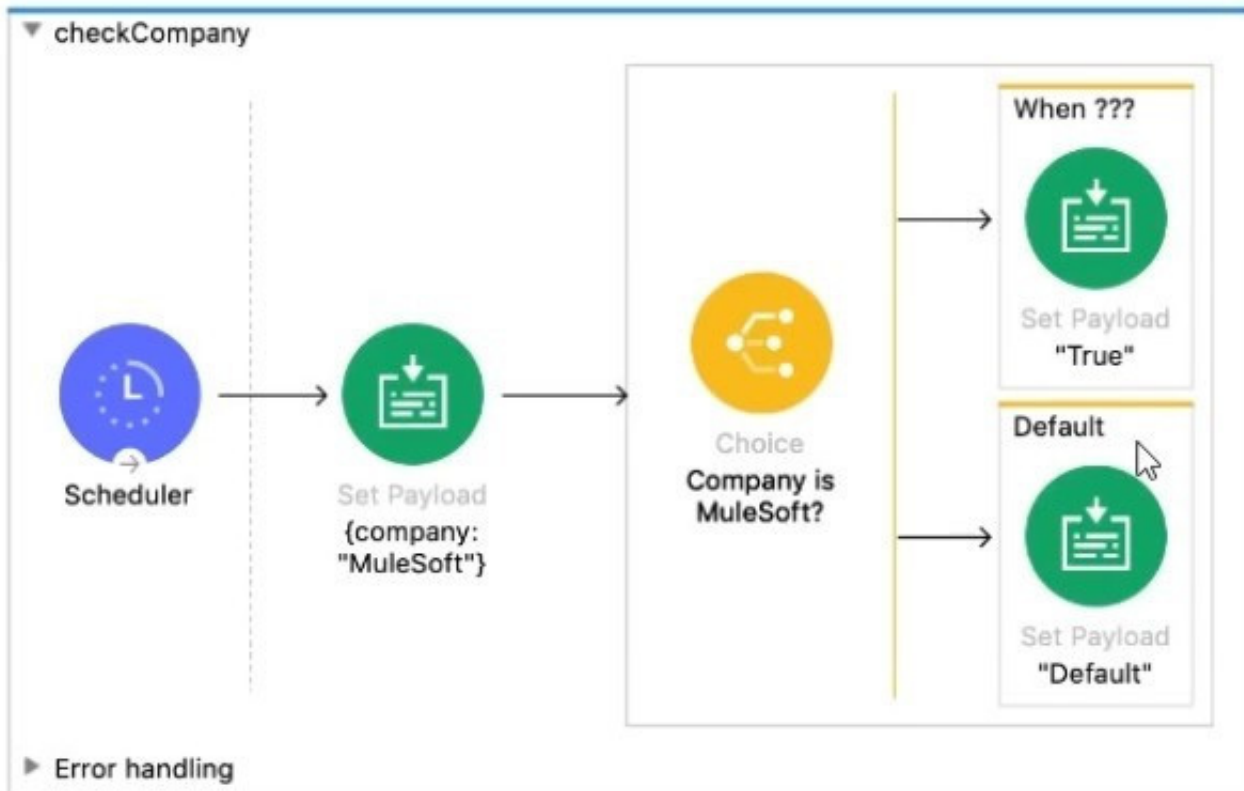
Correct Answer: D

Correct answer is API manager



**QUESTION 10**

Refer to the exhibits.



```
<flow name="checkCompany">
  <scheduler doc:name="Scheduler">
    <scheduling-strategy>
      <fixed-frequency frequency="5000" />
    </scheduling-strategy>
  </scheduler>
  <set-payload value="#[{company: 'MuleSoft'}]" doc:name='{company: "MuleSoft"}' />
  <choice doc:name="Company is MuleSoft?">
    <when expression="When ???">
      <set-payload value="#['True']" doc:name='"True"' />
    </when>
    <otherwise>
      <set-payload value="#['Default']" doc:name='"Default"' />
    </otherwise>
  </choice>
</flow>
```

The expression for the Choice router needs to be written.

What is a valid expression to route Mule events to the non-default flow?

- A. `#['MuleSoft'] == payload.company]`
- B. `#[ company = "MuleSoft" ]`
- C. `#[ if( company = "MuleSoft") ]`

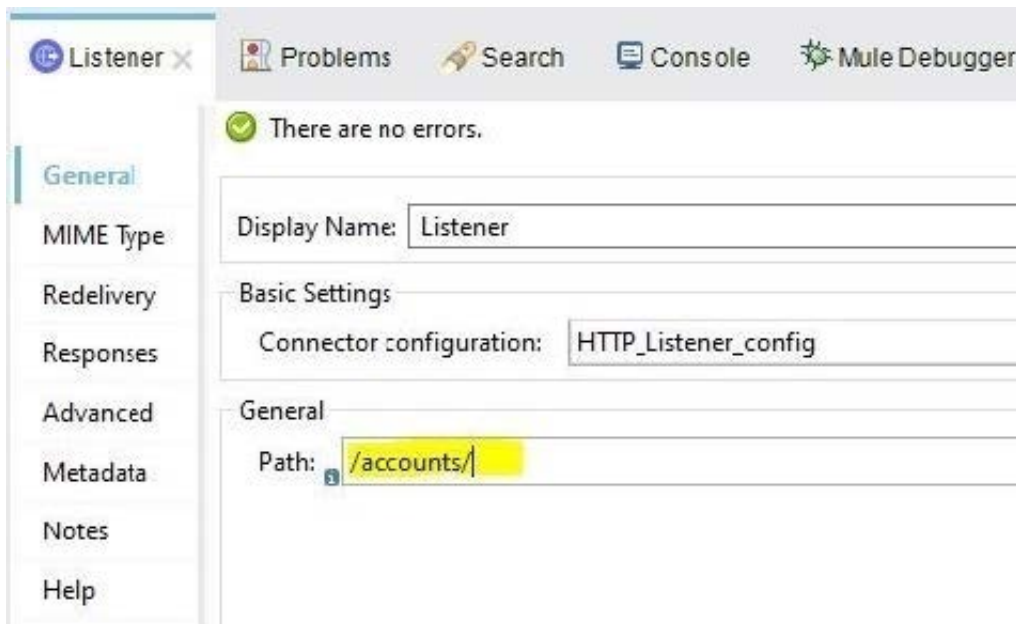


D. #[ \\MuleSoff == payload.company) ]

Correct Answer: A

### QUESTION 11

What is the correct Syntax to add a customer ID as a URI parameter in the HTTP listener's path attribute?



A. #[customerID]

B. \$[customerID]

C. {customerID}

D. (customerID)

Correct Answer: C

URL parameters are always accessed using { } like => {customerID}

### QUESTION 12

How would you debug Mule applications?

A. By Deploying apps on production

B. Checking RAML specifications

C. Using debugger component

D. Use third party debugger application



Correct Answer: C

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

### QUESTION 13

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

- A. Gold
- B. Select
- C. Premium
- D. Community

Correct Answer: A

Gold is not valid category for connector types.

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

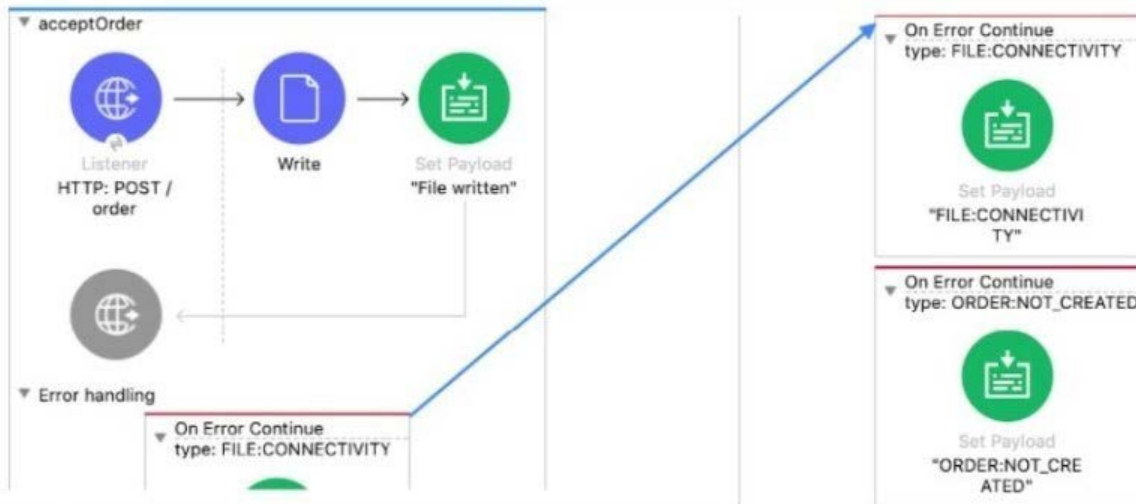
Type	Description
Community	MuleSoft or members of the MuleSoft community write and maintain the Community connectors. Connectors built by the community or MuleSoft are generally open-source, although each package may vary. Partner-built connectors may not be open-source. Contact the partner directly for more information. You do not need any special account or license to use a Community connector.
MuleSoft Certified	For MuleSoft Certified connectors are developed by MuleSoft's partners and developer community and are reviewed and certified by MuleSoft. For support, customers should contact the MuleSoft partner that created the MuleSoft Certified connector.
Select	MuleSoft maintains Select connectors. Connectors included in the open source Mule distribution can be used by everyone, however support is only included in an Anypoint Platform subscription. To use all other Select Connectors and access support, you must have an active Anypoint Platform subscription.
Premium	MuleSoft maintains Premium connectors; you must have an active CloudHub Premium plan or an Enterprise subscription with an entitlement for the specific connector you wish to use.

### QUESTION 14

Refer to the exhibits The Mule application does NOT define any global error handlers.

A web client sends a POST request to the Multi application with this input payload The File Write operation throws a FILECONNECTIVITY error

What response message is returned to the web client?



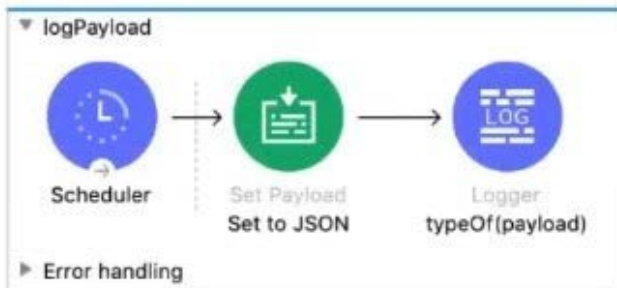
```
<flow name="acceptOrder">
  <http:listener doc:name="HTTP: POST /order" config-ref="HTTP_Listener_config"
    path="/order" allowedMethods="POST">
    <http:error-response >
      <http:body ><![CDATA[#[output text/plain --- payload]]]></http:body>
    </http:error-response>
  </http:listener>
  <file:write doc:name="Write" config-ref="File_Config" path="newOrder.json">
    <error-mapping sourceType="FILE:CONNECTIVITY" targetType="ORDER:NOT_CREATED" />
    <file:content ><![CDATA[#[output appliation/json --- payload]]]></file:content>
  </file:write>
  <set-payload value='#[ "File written"]' doc:name="File written" />
</flow>
```

- A. "ORDER NOT\_CREATED"
- B. "OTHER ERROR"
- C. "File written"
- D. "FILECONNECTIVITY"

Correct Answer: A

#### QUESTION 15

Refer to the exhibits.



```
<flow name="logPayload" >
  <scheduler doc:name="Scheduler" >
    <scheduling-strategy>
      <fixed-frequency />
    </scheduling-strategy>
  </scheduler>
  <set-payload doc:name="Set to JSON" value='#[{
    "accounts": {
      "account": {
        "accountName": "ABC Widgets",
        "type": "New Customer",
        "stage": "Qualification"
      }
    }
  }]' />
  <logger level="INFO" doc:name="typeOf(payload)" message='#[typeOf(payload)]' />
</flow>
```

A JSON payload is set in the Set Payload transformer. What is logged by the Logger?

- A. "String"
- B. "Object"
- C. "Array"
- D. "JSON"

Correct Answer: B

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