

Take this multiple-choice quiz to assess your mastery of core concepts taught in the *Anypoint Platform Development: Fundamentals (Mule 4)* (/instructor-led-training/apdev-fundamentals4), the self-study *MuleSoft U Development Fundamentals (Mule 4)* (<https://training.mulesoft.com/course/mulesoftu-fundamentals4>), the *Anypoint Platform Development: Mule 4 for Mule 3 Users* (/instructor-led-training/apdev-mule443), and the self-study *MuleSoft U Mule 4 for Mule 3 Users* (<https://training.mulesoft.com/course/mulesoftu-mule443>) courses and to help you prepare for the *MuleSoft Certified Developer - Level 1 (Mule 4)* (<https://training.mulesoft.com/exam/mcd-level1>) or *MuleSoft Certified Developer - Level 1 (Mule 4) DELTA* (<https://training.mulesoft.com/exam/mcd-level1-delta>) certification exam.

- 5+ multiple-choice questions for each topic
- Identifies strengths and weaknesses
- Comparable difficulty to the proctored exam

Overview



Introducing Application Networks and API-Led Connectivity

Quiz

You got 5 / 6. Please review your answers.

[Close.](#)

1.

What MuleSoft API-led connectivity layer is intended to expose part of a backend database without business logic?

- Experience
- Data
- System
- Process
- Security

Correct!

2.

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

- Creates reusable APIs and assets designed to be consumed by other business units
- Creates and manages high availability and fault tolerant services and infrastructure
- Leverages Central IT to deliver complete point-to-point solutions with master data management
- Creates and manages a collection of JMS messaging services and infrastructure

Correct!

3.

According to MuleSoft, what is the Center for Enablement's role in the new IT operating model?

- Creates and manages discoverable assets to be consumed by line of business developers
- Centrally manages partners and consultants to implement line of business projects
- Implements line of business projects to enforce common security requirements
- Produces and manages API policies for line of business deployments

[Wrapping Up the Course](#)

Correct!

4.

What is a core characteristic of the Modern API?

- API is designed first using an API specification for rapid feedback
- API is rapidly prototyped following AGILE methodology
- API follows the RESTful architecture
- API has a mechanism to accept feedback and suggestions for improvement

Correct!

5.

Refer to the exhibit. The API specification supports searching for articles on the searchworld.org site.

What is the most idiomatic (used for its intended purpose) URL and method to retrieve articles about "einstein" in XML format?

ENDPOINT:

<https://www.searchworld.org/s/api.php>

QUERY PARAMETERS:

action – Action type – required

options: compare,delete,save,search

query – Search string – required

profile – Search profile to use

options: strict,normal,classic

format – The format of the output

options: xml,xmlfm,json,jsonfm

namespace – Namespaces to search

options: 1,2,3,4

HEADERS:

AUTH – Authentication token – required

Answers

A.

Method Request URL
GET https://www.searchworld.org/s/api.php?action=search&query=einstein&format=xml

Parameters ^

Headers	Authorization	Variables	Actions
<input type="checkbox"/> <> Toggle source mode + Insert headers set			
Header name AUTH	Header value SK33DKD83829283JS		

B.

Method GET Request URL <https://www.searchworld.org/s/api.php?&query=einstein&format=xml> SEND

Parameters ^

Headers	Authorization	Variables	Actions
<input type="checkbox"/> Toggle source mode + Insert headers set			
Header name AUTH	Header value SK33DKD83829283JS		

C.

Method GET Request URL <https://www.searchworld.org/s/api.php?action=search&query=einstein&format=xml> SEND

Parameters ^

Headers	Authorization	Variables	Actions
<input type="checkbox"/> Toggle source mode + Insert headers set			
Header name	Header value		

D.

Method POST Request URL <https://www.searchworld.org/s/api.php?action=search&query=einstein&format=xml> SEND

Parameters ^

Headers	Authorization	Body	Variables	Actions
<input type="checkbox"/> Toggle source mode + Insert headers set				
Header name AUTH	Header value SK33DKD83829283JS			

- A
- B
- C
- D

Sorry, that's incorrect.

6.

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

- PATCH
- PUT
- POST
- GET

Correct!

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Overview



Introducing Anypoint Platform

Quiz

You got 4 / 5. Please review your answers.

[Close.](#)

1.

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

- To design API RAML files in a graphical way
- To design and develop fully functional Mule applications in a hosted development environment
- To define API lifecycle management in a graphical way
- To design and mock Mule application templates that must be implemented using Anypoint Studio

Sorry, that's incorrect.

2.

Where does a deployed flow designer application run in Anypoint Platform?

- Exchange
- CloudHub worker
- API Manager
- Design Center

Correct!

3.

What MuleSoft product enables publishing, sharing, and searching of APIs?

- API Designer
- Runtime Manager
- Anypoint Exchange
- API Notebook

Correct!

What asset can NOT be created using Design Center?

- API Specifications
- Mule Applications
- API Fragments
- API Portals

Correct!

5.

A web client submits a GET request to a Mule application to the endpoint /customers?id=48493.

Where is the id stored in the Mule event by the HTTP Listener?

- Inbound Properties
- Variables
- Attributes
- Payload

Correct!

You got 4 / 5. Please scroll up to review your answers.

[Close.](#)

[Next: Designing APIs](#)

Take this multiple-choice quiz to assess your mastery of core concepts taught in the *Anypoint Platform Development: Fundamentals (Mule 4)* (/instructor-led-training/apdev-fundamentals4), the self-study *MuleSoft U Development Fundamentals (Mule 4)* (<https://training.mulesoft.com/course/mulesoftu-fundamentals4>), the *Anypoint Platform Development: Mule 4 for Mule 3 Users* (/instructor-led-training/apdev-mule443), and the self-study *MuleSoft U Mule 4 for Mule 3 Users* (<https://training.mulesoft.com/course/mulesoftu-mule443>) courses and to help you prepare for the *MuleSoft Certified Developer - Level 1 (Mule 4)* (<https://training.mulesoft.com/exam/mcd-level1>) or *MuleSoft Certified Developer - Level 1 (Mule 4) DELTA* (<https://training.mulesoft.com/exam/mcd-level1-delta>) certification exam.

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Overview



Designing APIs

Quiz

You got 4 / 5. Please review your answers.

[Close.](#)

1.

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

- Deploy the API to a Maven repository
- Enable autodiscovery in API Manager
- Publish the API from inside flow designer
- Publish the API to Anypoint Exchange

Correct!

2.

Refer to the exhibit. What is the correct URL to submit a GET request to /patients?

```
1  #%RAML 1.0
2  title: ACME Medical API
3  baseUri: http://dev.acme.com/api
4
5  /patients:
6    get:
7      queryParameters:
8        year:
9          type: integer
10         example: 2017
```

- <http://dev.acme.com/patients?year=2016>
- <http://dev.acme.com/api/patients>
- <http://dev.acme.com/patients>
- <http://dev.acme.com/api/patients?year=2016>

Correct!

3.

A RAML example fragment named `BankAccountsExample.raml` is placed in the examples folder in an API specification project.

What is the correct syntax to reference the fragment?

- examples: !include BankAccountsExample.raml
- examples: #import BankAccountsExample.raml
- examples: !include examples/BankAccountsExample.raml
- examples: #import examples/BankAccountsExample.raml

Correct!

4.

Refer to the exhibit. There is an error in the `flight_id` resource's GET method. What needs to be done to fix the problem?

```
1. #%RAML 1.0
2. version: v1
3. title: American Flights API
4.
5. /flights:
6.   get:
7.
8.   /{flight_id}:
9.
10. get:
```

- Remove blank line on row 9
- Enclose `flight_id` in parentheses () instead of curly braces {}
- Indent the `get` method under the `{flight_id}` resource
- Outdent the `{flight_id}` resource
- Remove the curly braces {} around `flight_id`

Correct!

5.

Refer to the exhibit. This RAML specification includes an XML example that matches the `Records` data type defined in another RAML file named `recordsDataType.raml`.

Using the `Records` type, how can this XML example be represented in RAML?

```

#%RAML 1.0
title: Records API

/records:
  get:
    responses:
      200:
        body:
          application/xml:
            example: |
              <music>
                <collection>Deep Collection</collection>
                <artists>
                  <artist1>Deep Purple</artist1>
                  <artist2>Rainbow</artist2>
                </artists>
              </music>

```

Answers

A.

```

#%RAML 1.0
title: Records API

types:
  Records: !include recordsDataType.raml

/records:
  get:
    responses:
      200:
        body:
          application/xml:
            type: Records
            example:
              music:
                collection: "Deep Collection "
                artists:
                  - artist1: "Deep Purple"
                  - artist2: "Rainbow"

```

B.

```

#%RAML 1.0
title: Records API

types:
  Records: !include recordsDataType.raml

/records:
  get:
    responses:
      200:
        body:
          application/xml:
            type: Records
            example:
              music:
                collection: "Deep Collection "
                artists:
                  "Deep Purple"
                  "Rainbow"

```

C.

```
%RAML 1.0
title: Records API

types:
  Records: !include recordsDataType.raml

/records:
  get:
    responses:
      200:
        body:
          application/xml:
            type: Records
            example:
              music:
                collection: "Deep Collection "
                artists: "Deep Purple", "Rainbow"
```

D.

```
%RAML 1.0
title: Records API

types:
  Records: !include recordsDataType.raml

/records:
  get:
    responses:
      200:
        body:
          application/xml:
            type: Records
            example:
              music:
                collection: "Deep Collection "
                artists:
                  artist1: "Deep Purple"
                  artist2: "Rainbow"
```

- A
- B
- C
- D

Sorry, that's incorrect.

You got 4 / 5. Please scroll up to review your answers.

[Close.](#)

[Next: Building APIs](#)

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Overview



Building APIs

Quiz

Nice work! You got 100% correct. Please review your answers.

1.

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

- Creates native connectors using a 3rd party Java library
- Serves as an API implementation
- Validates requests against RAML API specifications and routes them to API implementations
- Validates responses returned from API requests and routes them back to the caller

Correct!

2.

What is the minimum required configuration in a flow for a Mule application to compile?

- An event processor
- An event source
- A Logger component
- A project RAML file

Correct!

3.

A Database connector is configured to select rows from a MySQL database.

What is the format of the array of results returned from the database query?

- Java
- JSON
- XML
- CSV

Correct!

Wrap up this quiz

4.

What is NOT part of a Mule 4 event?

- message
- payload
- inboundProperties
- attributes

Correct!

5.

How does APIkit determine the number of flows to generate from a RAML specification?

- Creates a separate flow for each resource
- Creates a separate flow for each resource that contains child resources
- Creates a separate flow for each HTTP method
- Creates one flow for the entire API spec
- Creates a separate flow for each response status code

Correct!

Nice work! You got 100% correct. Please scroll up to review your answers.

[Next: Deploying and Managing APIs](#)

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Overview



Deploying and Managing APIs

Quiz

Not bad. You got 3 / 5. Please review your answers.

1.

What is the purpose of API autodiscovery?

- Enables API Manager to discover the published API on Anypoint Exchange
- Allows the Mule application to be automatically discovered on Anypoint Exchange
- Enables an API to be directly managed in API Manager
- Allows a deployed Mule application to connect with API Manager to download policies and act as its own API proxy

Correct!

2.

How many Mule applications can run on a CloudHub worker? (Choose one)

- At most one
- At least one
- Depends on the vCores of the worker
- Depends on the number of CloudHub workers configured

Correct!

3.

What does an API proxy application NOT do?

- Determine which request Mule event is allowed to pass through to the API backend service
- Apply runtime policies to enforce governance
- Determine which response Mule event is allowed to pass through to the API backend service
- Meters the traffic flowing through the proxy

Sorry, that's incorrect.

What does the Mule runtime use to enforce policies and limit access to APIs?

- Anypoint Access Control
- The proxy created by API Manager
- API Manager
- The Mule runtime's embedded API Gateway

Sorry, that's incorrect.

5.

API Manager has been configured to enforce an SLA policy and the RAML spec has been updated with the required client_id and client_secret header requirements.

The new RAML spec has been published to Anypoint Exchange.

What is the next step to gain access to the API?

- POST a JSON object to the /api/register endpoint of the API proxy
- Request access to the API in Anypoint Exchange
- Email the organization administrators to request access to the API
- Add a client application to the Anypoint Platform organization

Correct!

Not bad. You got 3 / 5. Please scroll up to review your answers.

[Next: Accessing and Modifying Mule Events](#)

Take this multiple-choice quiz to assess your mastery of core concepts taught in the *Anypoint Platform Development: Fundamentals (Mule 4)* (/instructor-led-training/apdev-fundamentals4), the self-study *MuleSoft U Development Fundamentals (Mule 4)* (<https://training.mulesoft.com/course/mulesoftu-fundamentals4>), the *Anypoint Platform Development: Mule 4 for Mule 3 Users* (/instructor-led-training/apdev-mule443), and the self-study *MuleSoft U Mule 4 for Mule 3 Users* (<https://training.mulesoft.com/course/mulesoftu-mule443>) courses and to help you prepare for the *MuleSoft Certified Developer - Level 1 (Mule 4)* (<https://training.mulesoft.com/exam/mcd-level1>) or *MuleSoft Certified Developer - Level 1 (Mule 4) DELTA* (<https://training.mulesoft.com/exam/mcd-level1-delta>) certification exam.

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Overview



Accessing and Modifying Mule Events

Quiz

You got 7 / 8. Please review your answers.

[Close.](#)

1.

What happens to the attributes of a Mule event in a flow after an outbound HTTP Request is made?

- New attributes may be added from the HTTP response headers, but no headers are ever removed
- Previous attributes are passed unchanged
- Attributes do not change
- Attributes are replaced with new attributes from the HTTP Request response (which might be null)

Correct!

2.

A Set Variable component saves the current payload to a variable with the name: images. What is the DataWeave expression to access the images variable?

- #[payload.images]
- #[images]
- #[flowVars.images]
- #[vars.images]

Correct!

3.

A web service implements an API to handle requests to <http://acme.com/customers/{state}>.

A web client makes a request to this API implementation at <http://acme.com/customers/CA>.

What is the correct DataWeave expression to retrieve the value CA?

- #[message.payload.inboundProperties.'http.uri.params'.state]
- #[attributes.uriParams.state]

← [Wrap me](#) #[attributes.'http.uri.params'.state] →

- #[message.inboundProperties.'http.uri.params'.state]
- #[state]

Correct!

4.

A flow contains an HTTP Listener as the event source. What is the DataWeave expression to log the Content-Type header using a Logger component?

- #[Content-Type: " ++ attributes.headers.'content-type']
- #[Content-Type: " + headers.'content-type']
- #[Content-Type: " + attributes.headers.'content-type']
- #[Content-Type: " ++ headers.'content-type']

Correct!

5.

Refer to the exhibit. What is the correct DataWeave expression for accessing the city Cleveland from the JSON payload?

```
[  
  {  
    "orderID": 592,  
    "shipping": "international",  
    "city": "Tokyo",  
    "account": 4829284911,  
    "price": 24.99  
  },  
  {  
    "orderID": 972,  
    "shipping": "domestic",  
    "city": "Cleveland",  
    "account": 829118144,  
    "price": 49.99  
  },  
  {  
    "orderID": 396,  
    "shipping": "international",  
    "city": "Berlin",  
    "account": 114800833,  
    "price": 24.99  
  }  
]
```

- #[payload[2].city]
- #[payload[1].city]
- #[payload.city[1]]
- #[payload.city[2]]

Sorry, that's incorrect.

6.

What is NOT part of a Mule 4 event?

- message
- payload
- outboundProperties
- variables
- attributes

Correct!

7.

A Mule application has two flows named parentFlow and childFlow. The childFlow begins with an HTTP Listener.

A variable is defined in parentFlow, then an HTTP Request is made to childFlow's HTTP Listener with some headers set.

What is the scope of the variable and attributes in the parentFlow after childFlow returns a response?

- The variable is accessible. All the attributes passed to childFlow are removed or replaced.
- The variable is NOT accessible. All the attributes passed to childFlow are removed or replaced.
- The variable is NOT accessible. All the attributes passed to childFlow are preserved.
- The variable is accessible. All the attributes passed to childFlow are preserved.

Correct!

8.

A Mule application has a flow named parentFlow.

The parentFlow contains an HTTP Request operation at the end of the flow. The parentFlow also contains a Set Variable operation right before the HTTP Request operation.

What is the scope of the variable to the server receiving the HTTP Request from parentFlow?

- The variable is accessible in the server but is immutable
- The variable is accessible in the server, can be changed, and changes are seen back in parentFlow
- The variable is NOT accessible in the server
- The variable is accessible in the server, can be changed, but changes are NOT seen back in parentFlow

Correct!

You got 7 / 8. Please scroll up to review your answers.

[Close.](#)

[Next: Structuring Mule Applications](#)

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Overview



Structuring Mule Applications

Quiz

Nice work! You got 100% correct. Please review your answers.

1.

A Mule application has two flows named parentFlow and childFlow. A variable is defined in parentFlow.

What is the scope of the variable when the parentFlow calls childFlow using a Flow Reference?

- The variable is accessible in childFlow but is immutable
- The variable is accessible in childFlow, can be changed, and changes are seen back in parentFlow
- The variable is NOT accessible in childFlow
- The variable is accessible in childFlow, can be changed, but changes are NOT seen back in parentFlow

Correct!

2.

Refer to the exhibit. In the deployable archive's /classes folder, there are two properties files named dev.properties and prod.properties. The Mule application fails to deploy to CloudHub through Runtime Manager with the following error message.

What could be causing this error?

```
⚠ 17:04:02.534      11/30/2017     Worker-0      qtp987274037-33      ERROR
null
java.io.FileNotFoundException: class path resource [${env}.properties] cannot be opened because it does not exist
at org.springframework.core.io.ClassPathResource.getInputStream(ClassPathResource.java:172)
at org.springframework.core.io.support.EncodedResource.getInputStream(EncodedResource.java:151)
at org.springframework.core.io.support.PropertiesLoaderUtils.fillProperties(PropertiesLoaderUtils.java:98)
at org.springframework.core.io.support.PropertiesLoaderSupport.loadProperties(PropertiesLoaderSupport.java:115)
at org.springframework.core.io.support.PropertiesLoaderSupport.mergeProperties(PropertiesLoaderSupport.java:115)
at
```

- The property files were NOT saved at the root level of the deployable archive
- The env property is NOT set in the Runtime Manager in the Mule application's Properties tab
- A file named \${env}.properties is NOT included in the deployable archive file
- The dev.properties and prod.properties files were NOT uploaded to Runtime Manager



Correct!

3.

What reserved property can be defined and used in a Mule application to allow an HTTPS Listener to be accessed by external web clients after the Mule application is deployed to CloudHub?

- \${ssl.port}
- \${ssl.listener.port}
- \${https.listener.port}
- \${https.port}

Correct!

4.

Why must a Mule application's deployable archive package all its dependencies in order to be deployed to CloudHub?

- The online logging service requires access to ALL project dependencies to log the appropriate Java classes used in the Mule application
- CloudHub workers CANNOT download ALL possible project dependencies a project may contain
- CloudHub workers needs to compare the current dependencies with the LATEST project dependencies from the MuleSoft repository
- MuleSoft support requires access to ALL project dependencies for future online troubleshooting

Correct!

5.

In what file does the Mule project keep track of all of its dependencies?

- mule-artifact.json
- pom.xml
- mule-app.properties
- global.xml

Correct!

6.

What can ONLY be done with VM connectors, and NOT with Flow References, in a single Mule application?

- Preserve variables as the Mule event gets passed to another flow
- Allow a flow to pass events to another flow synchronously
- Preserve the original payload when the VM connector returns a response from a flow
- Allow a flow to pass events to another flow asynchronously

Correct!

Nice work! You got 100% correct. Please scroll up to review your answers.

Next: Consuming Web Services

Take this multiple-choice quiz to assess your mastery of core concepts taught in the *Anypoint Platform Development: Fundamentals (Mule 4)* (/instructor-led-training/apdev-fundamentals4), the self-study *MuleSoft.U Development Fundamentals (Mule 4)* (<https://training.mulesoft.com/course/mulesoftu-fundamentals4>), the *Anypoint Platform Development: Mule 4 for Mule 3 Users* (/instructor-led-training/apdev-mule443), and the self-study *MuleSoft.U Mule 4 for Mule 3 Users* (<https://training.mulesoft.com/course/mulesoftu-mule443>) courses and to help you prepare for the *MuleSoft Certified Developer - Level 1 (Mule 4)* (<https://training.mulesoft.com/exam/mcd-level1>) or *MuleSoft Certified Developer - Level 1 (Mule 4) DELTA* (<https://training.mulesoft.com/exam/mcd-level1-delta>) certification exam.

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Consuming Web Services

Quiz

Nice work! You got 100% correct. Please review your answers.

1.

What file type is required to configure a Web Service Consumer to consume a SOAP web service?

- RAML
- WSDL
- JSON
- OAS

Correct!

2.

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

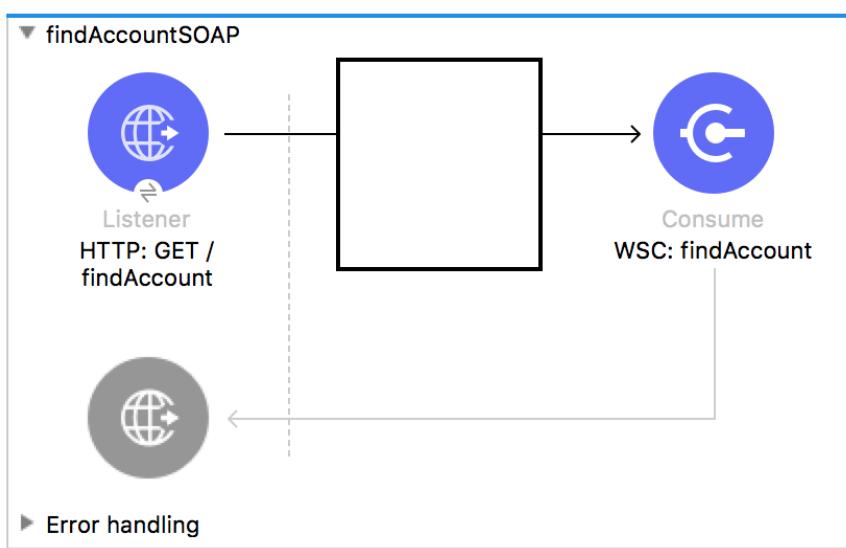
- As query parameters in the HTTP Request operation
- As URI parameters in the HTTP Request operation
- In the Mule event's payload
- As flow variables
- As attributes in a Transform Message component before the HTTP Request operation
- As attributes in the HTTP Listener operation

Correct!

3.

Refer to the exhibit. The flow calls a SOAP endpoint using the Consume operation of the Web Service Consumer. The SOAP service has a required input parameter.

What event processor can be used to build the SOAP envelope with the required argument to pass to the SOAP service?



- Set Property
- Build SOAP
- Transform Message
- JSON to XML
- Set Attachment

Correct!

4.

An HTTP Request operation returns a JSON array of objects. In the Transform Message component, what is the process to convert the array of objects to an array of custom Java Account objects?

- Add the Account object metadata to the output and use the drag-and-drop feature to transform the incoming JSON data
- Change the output type to the Java Account object type
- Add the Account object metadata to the input and the Transform Message component will automatically convert the JSON objects to Account objects
- Change the input type to the Java Account object type

Correct!

5.

What is the process to create a connector using REST Connect?

- Develop the API in flow designer and publish the API to Exchange
- Design the API in Anypoint Studio and upload the API to Runtime Manager
- Design the API in Design Center and publish the API to Exchange
- Develop the API in Anypoint Studio and export the connector as a jar file

Correct!

Nice work! You got 100% correct. Please scroll up to review your answers.

[Next: Controlling Event Flow](#)

Take this multiple-choice quiz to assess your mastery of core concepts taught in the *Anypoint Platform Development: Fundamentals (Mule 4)* (/instructor-led-training/apdev-fundamentals4), the self-study *MuleSoft U Development Fundamentals (Mule 4)* (<https://training.mulesoft.com/course/mulesoftu-fundamentals4>), the *Anypoint Platform Development: Mule 4 for Mule 3 Users* (/instructor-led-training/apdev-mule443), and the self-study *MuleSoft U Mule 4 for Mule 3 Users* (<https://training.mulesoft.com/course/mulesoftu-mule443>) courses and to help you prepare for the *MuleSoft Certified Developer - Level 1 (Mule 4)* (<https://training.mulesoft.com/exam/mcd-level1>) or *MuleSoft Certified Developer - Level 1 (Mule 4) DELTA* (<https://training.mulesoft.com/exam/mcd-level1-delta>) certification exam.

- 5+ multiple-choice questions for each topic
- Identifies strengths and weaknesses
- Comparable difficulty to the proctored exam

Overview



Controlling Event Flow

Quiz

You got 4 / 5. Please review your answers.

[Close.](#)

1.

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

- To find the FIRST true condition, then route the same event to the matched route and ALL FOLLOWING routes
- 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
- To filter and aggregate the responses after copying the event to EVERY route

Correct!

2.

A Scatter-Gather processes three separate HTTP requests. Each request returns a Mule event with a JSON payload.

What is the final output of the Scatter-Gather?

- An Object containing all three Mule event Objects
- An Array of the three JSON payload Objects
- An Array of the three Mule event Objects
- An Object containing all three JSON payload Objects
- The last JSON payload Object
- The last Mule event object

Correct!

3.

An event contains a payload that is an Array of Objects. How is the event routed in a Scatter-Gather?

- The ENTIRE event is sent to each route and processed SEQUENTIALLY
- The event is SPLIT and different SMALLER events are routed and processed in PARALLEL
Wrapping Up the Course
- The event is SPLIT and different SMALLER events are routed and processed SEQUENTIALLY



- The ENTIRE event is sent to each route and processed in PARALLEL

Correct!

4.

What module and operation will throw an error if a Mule event's payload is not a number?

- Validation module's Is number operation
- Validation module's Is not number operation
- Filter module's Is number operation
- Filter module's Is not number operation

Correct!

5.

Refer to the exhibits. What happens to this flow when the Validation module's Is not null operator throws an error?



```
<http:listener-config name="HTTP_Listener_config" doc:name="HTTP Listener config">
    <http:listener-connection host="0.0.0.0" port="8081" />
</http:listener-config>
<flow name="main">
    <http:listener doc:name="HTTP: GET /test" config-ref="HTTP_Listener_config" path="/test"/>
    <set-payload value="#[null]" doc:name="null" />
    <validation:is-not-null doc:name="payload" value="#[payload]" message="The payload is null!"/>
</flow>
```

- The flow silently stops processing its Mule event
- The flow stops processing its Mule event and returns an error message to the HTTP Listener operation
- The flow logs the error message in the console and continues processing its Mule event
- The flow continues processing its Mule event and appends the error message to the end of the payload

Sorry, that's incorrect.

You got 4 / 5. Please scroll up to review your answers.

Close.

Next: Handling Errors

Take this multiple-choice quiz to assess your mastery of core concepts taught in the *Anypoint Platform Development: Fundamentals (Mule 4)* (/instructor-led-training/apdev-fundamentals4), the self-study *MuleSoft U Development Fundamentals (Mule 4)* (<https://training.mulesoft.com/course/mulesoftu-fundamentals4>), the *Anypoint Platform Development: Mule 4 for Mule 3 Users* (/instructor-led-training/apdev-mule443), and the self-study *MuleSoft U Mule 4 for Mule 3 Users* (<https://training.mulesoft.com/course/mulesoftu-mule443>) courses and to help you prepare for the *MuleSoft Certified Developer - Level 1 (Mule 4)* (<https://training.mulesoft.com/exam/mcd-level1>) or *MuleSoft Certified Developer - Level 1 (Mule 4) DELTA* (<https://training.mulesoft.com/exam/mcd-level1-delta>) certification exam.

- 5+ multiple-choice questions for each topic
- Identifies strengths and weaknesses
- Comparable difficulty to the proctored exam

Overview



Handling Errors

Quiz

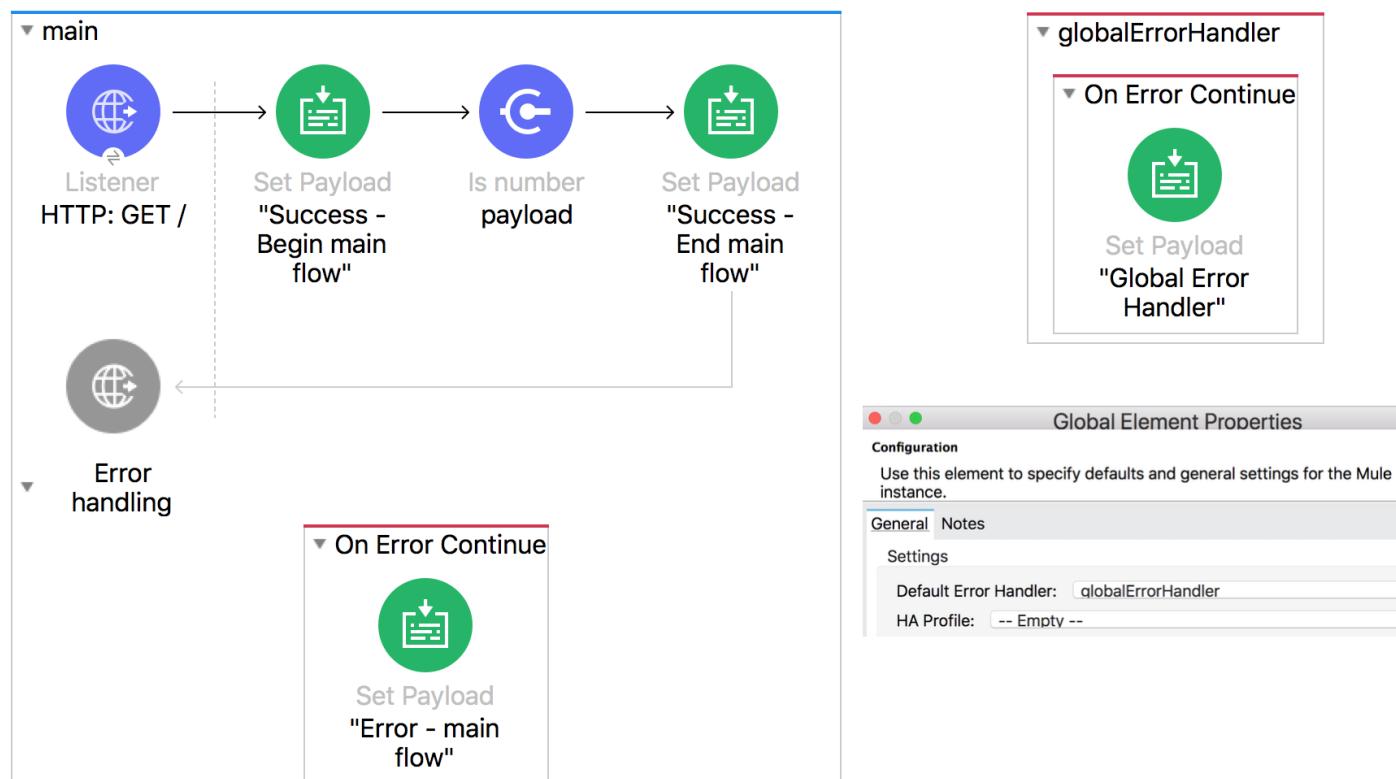
Oh no! You got 2 / 6. Please review your answers.

1.

Refer to the exhibits. The main flow has an On Error Continue scope. In the Configuration global element, default error handler is set to globalErrorHandler.

A web client makes an HTTP GET request to the flow's HTTP Listener. The Is number validator then throws an error with message "Validate - Payload is an Integer".

What response message is returned to the web client?



```

<configuration doc:name="Configuration" defaultErrorHandler-ref="globalErrorHandler" />
<error-handler name="globalErrorHandler" >
    <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue" >
        <set-payload value="Global Error Handler" doc:name='"Global Error Handler"' />
    </on-error-continue>
</error-handler>
<http:listener-config name="HTTP_Listener_config" doc:name="HTTP Listener config" >
    <http:listener-connection host="0.0.0.0" port="8081" />
</http:listener-config>
<flow name="main">
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />

    <set-payload value='Success - Begin main flow' doc:name='"Success - Begin main flow"' />
    <validation:is-number numberType="INTEGER"
        doc:name="payload" value="#[payload]"
        message="Validate - Payload is an Integer" />
    <set-payload value="Success - End main flow" doc:name='"Success - End main flow"' />
    <error-handler >
        <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue" >
            <set-payload value="Error - main flow" doc:name='"Error - main flow"' />
        </on-error-continue>
    </error-handler>
</flow>

```

- Error - main flow
- Success - Begin main flow
- Success - End main flow
- Validate - Payload is an Integer
- Global Error Handler

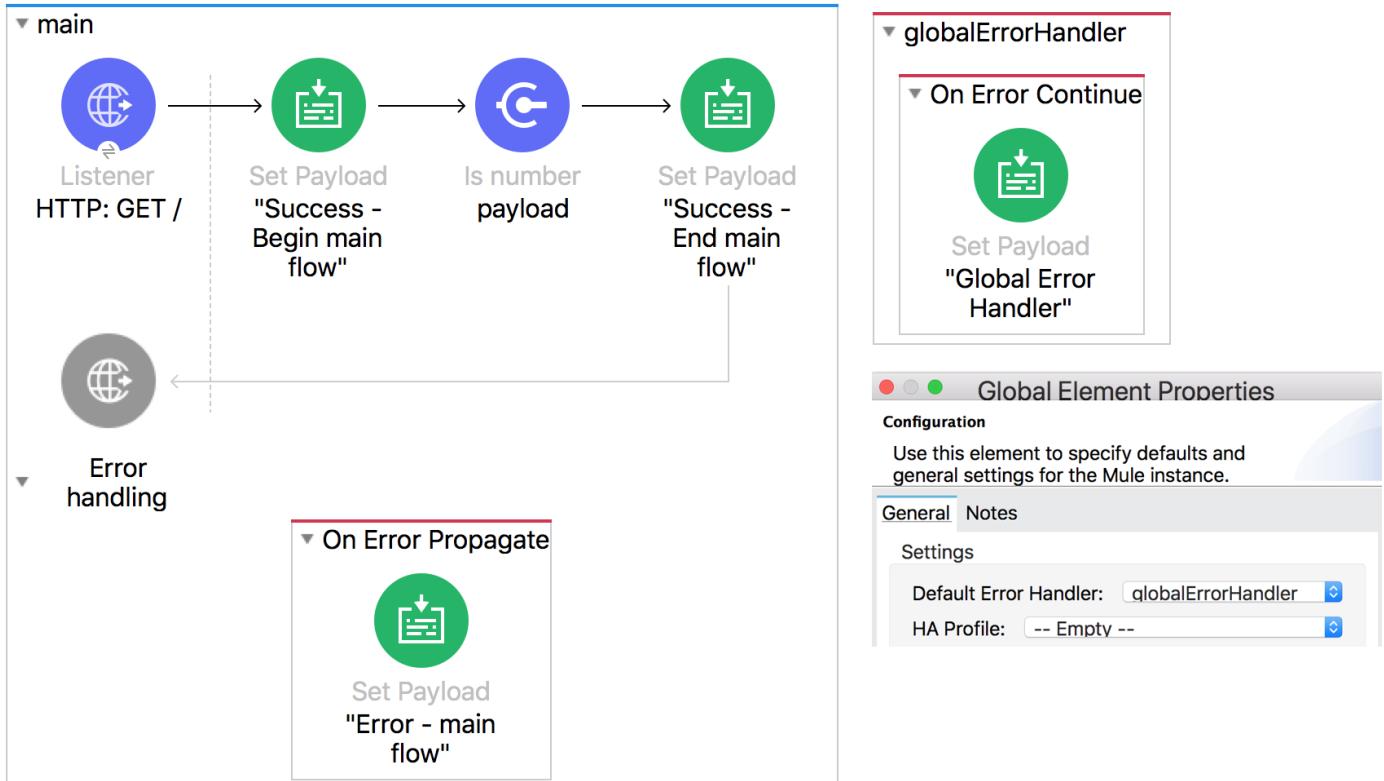
Sorry, that's incorrect.

2.

Refer to the exhibits. The main flow has an On Error Propagate scope. In the Configuration global element, default error handler is set to globalErrorHandler.

A web client makes an HTTP GET request to the flow's HTTP Listener. The Is number validator then throws an error with message "Validate - Payload is an Integer".

What response message is returned to the web client?



```

<configuration doc:name="Configuration" defaultErrorHandler-ref="globalErrorHandler" />
<error-handler name="globalErrorHandler" >
    <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue" >
        <set-payload value="Global Error Handler" doc:name=""Global Error Handler"" />
    </on-error-continue>
</error-handler>
<http:listener-config name="HTTP_Listener_config" doc:name="HTTP Listener config" >
    <http:listener-connection host="0.0.0.0" port="8081" />
</http:listener-config>
<flow name="main">
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />
    <set-payload value='Success - Begin main flow' doc:name="Success - Begin main flow" />
    <validation:is-number numberType="INTEGER"
        doc:name="payload" value="#[payload]"
        message="Validate - Payload is an Integer" />
    <set-payload value="Success - End main flow" doc:name="Success - End main flow" />
    <error-handler >
        <on-error-propagate enableNotifications="true" logException="true" doc:name="On Error Propagate" >
            <set-payload value="Error - main flow" doc:name=""Error - main flow"" />
        </on-error-propagate>
    </error-handler>
</flow>

```

- Error - main flow
- Success - Begin main flow
- Success - End main flow
- Validate - Payload is an Integer
- Global Error Handler

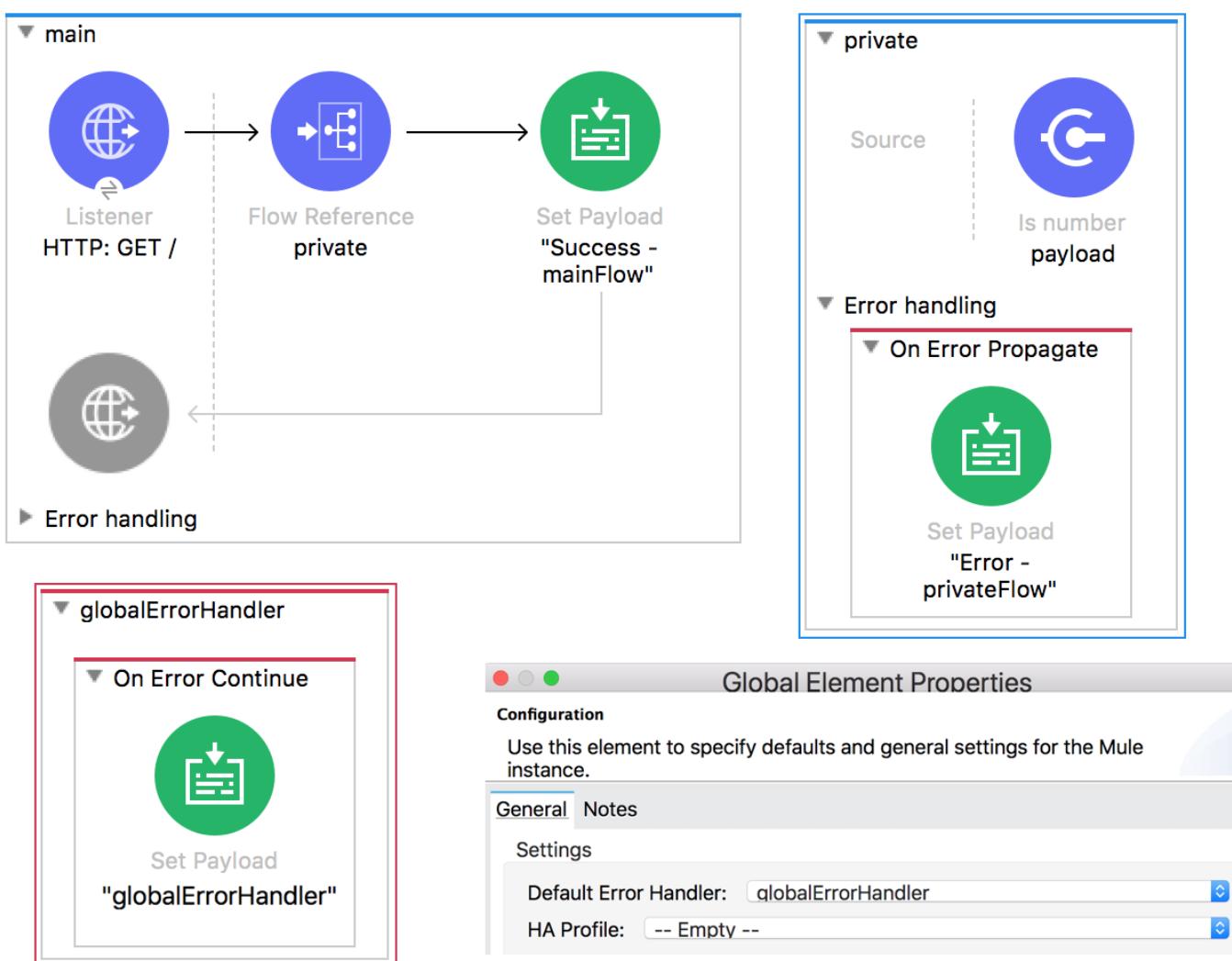
Sorry, that's incorrect.

3.

Refer to the exhibits. The private flow has an On Error Propagate scope. In the Configuration global element, default error handler is set to globalErrorHandler.

A web client makes an HTTP GET request to the flow's HTTP Listener. The Is number validator in the private flow then throws an error with message "Validate - Payload is an Integer".

What response message is returned to the web client?



```

<http:listener-config name="HTTP_Listener_config" doc:name="HTTP Listener config" >
    <http:listener-connection host="0.0.0.0" port="8081" />
</http:listener-config>
<configuration doc:name="Configuration" defaultErrorHandler-ref="globalErrorHandler" />
<flow name="main">
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />
    <flow-ref doc:name="private" name="private" />
    <set-payload value="Success - mainFlow" doc:name="Success - mainFlow" />
</flow>
<flow name="private">
    <validation:is-number numberType="INTEGER"
        doc:name="payload" value="#[payload]"
        message="Validate - Payload is an Integer" />
    <error-handler>
        <on-error-propagate enableNotifications="true" logException="true" doc:name="On Error Propagate" >
            <set-payload value="Error - privateFlow" doc:name="Error - privateFlow" />
        </on-error-propagate>
    </error-handler>
</flow>
<error-handler name="globalErrorHandler" >
    <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue" >
        <set-payload value='globalErrorHandler' doc:name="globalErrorHandler" />
    </on-error-continue>
</error-handler>

```

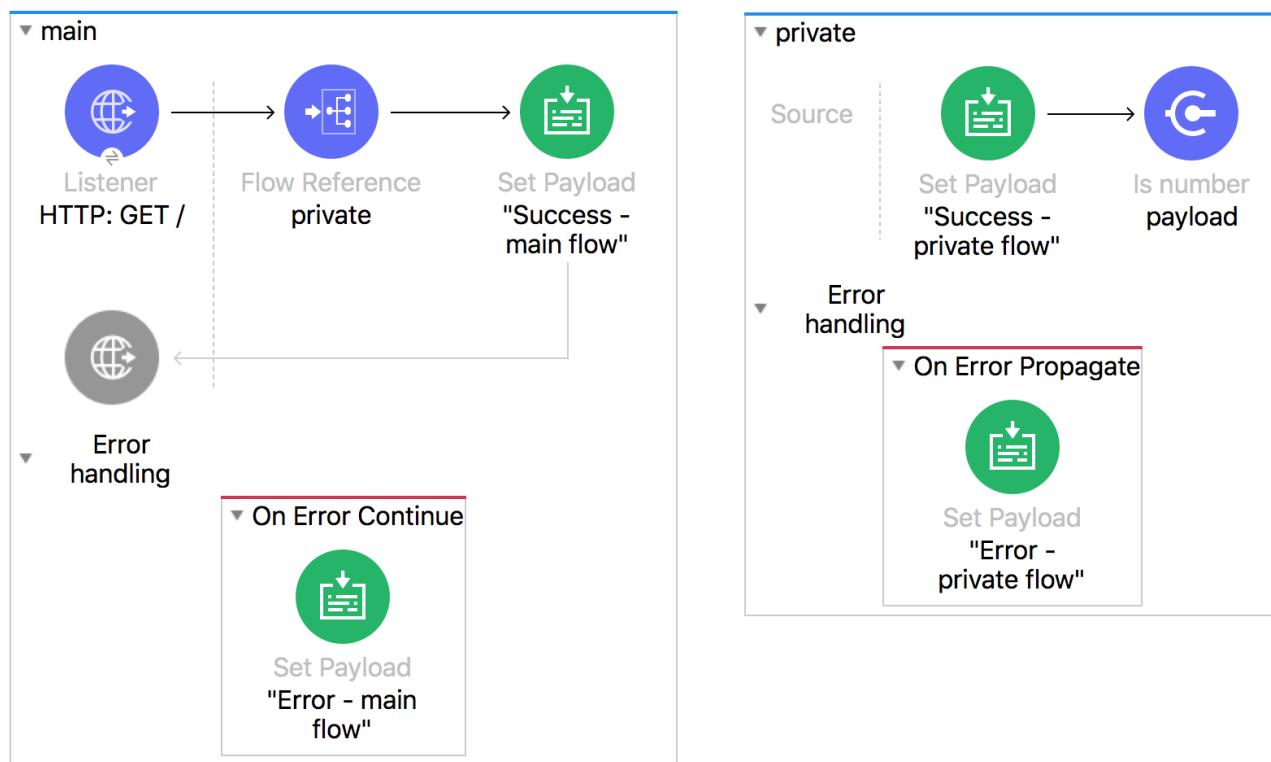
- globalErrorHandler
- Success - mainFlow
- Error - privateFlow
- Validate - Payload is a Number

Correct!

Refer to the exhibits. The main flow has an On Error Continue scope and the private flow has an On Error Propagate scope.

A web client makes an HTTP GET request to the HTTP Listener. The Is number validator in the private flow then throws an error with message "Validate - Payload is an Integer".

What response message is returned to the web client?



```
<http:listener-config name="HTTP_Listener_config" doc:name="HTTP Listener config" >
    <http:listener-connection host="0.0.0.0" port="8081" />
</http:listener-config>

<flow name="main" >
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />
    <flow-ref doc:name="private" name="private"/>
    <set-payload value='Success - main flow' doc:name='Success - main flow' />

    <error-handler >
        <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue" >
            <set-payload value="Error - main flow" doc:name='Error - main flow' />
        </on-error-continue>
    </error-handler>
</flow>
<flow name="private" >
    <set-payload value="Success - main flow" doc:name='Success - private flow' />
    <validation:is-number numberType="INTEGER" doc:name="payload"
        value="#{payload}" message="Validate - Payload is an Integer" />
    <error-handler >
        <on-error-propagate enableNotifications="true" logException="true" doc:name="On Error Propagate" >
            <set-payload value="Error - private flow" doc:name='Error - private flow' />
        </on-error-propagate>
    </error-handler>
</flow>
```

- Error - main flow
- Success - main flow
- Error - private flow
- Success - private flow
- Validate - Payload is Integer

Sorry, that's incorrect.

5.

How can an error scope be configured to catch all errors in the HTTP namespace?

Answers

A.

Type: HTTP

When:

B.

Type: HTTP*

When:

C.

Type:

When: #[error.errorType.namespace == "HTTP"]

D.

Type:

When: #[contains "HTTP"]

- A
- B
- C
- D

Correct!

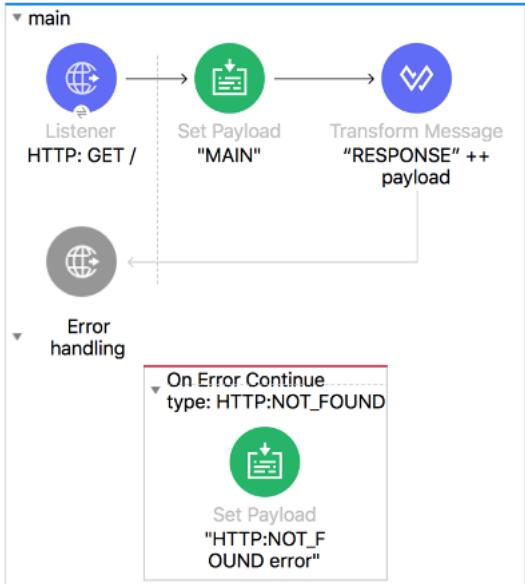
6.

Refer to the exhibits. The main flow has an On Error Continue scope with type set to HTTP:NOT_FOUND. The Mule application configures globalErrorHandler as its default error handler.

A web client posts a request to the HTTP Listener. The Transform Message component then throws a MULE:EXPRESSION error trying to convert the payload to application/xml.

What response message is returned to the web client?

The Global Element Properties dialog is open, showing the configuration for the globalErrorHandler. Under the General tab, the Default Error Handler is set to "globalErrorHandler" and the HA Profile is set to "-- Empty --".



```

<http:listener-config name="HTTP_Listener_config" doc:name="HTTP Listener config" >
    <http:listener-connection host="0.0.0.0" port="8081" />
</http:listener-config>
<configuration doc:name="Configuration" defaultErrorHandler-ref="globalErrorHandler" />
<error-handler name="globalErrorHandler" >
    <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue" >
        <set-payload value="Global Error Handler" doc:name='Global Error Handler'" />
    </on-error-continue>
</error-handler>
<flow name="main">
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" >
    </http:listener>
    <set-payload value='MAIN' doc:name='MAIN' />
    <ee:transform doc:name="RESPONSE" ++ payload" >
        <ee:message >
            <ee:set-payload ><!CDATA[%dw 2.0
output application/xml
---
"RESPONSE" ++ payload]]></ee:set-payload>
        </ee:message>
    </ee:transform>
    <error-handler>
        <on-error-continue enableNotifications="true" logException="true" doc:name="On Error Continue" type="HTTP:NOT_FOUND">
            <set-payload value="HTTP:NOT_FOUND error" doc:name='HTTP:NOT_FOUND error'" />
        </on-error-continue>
    </error-handler>
</flow>

```

- "HTTP:NOT_FOUND error"
- "MAIN"
- "Global Error Handler"
- The MULE:EXPRESSION error's message

Sorry, that's incorrect.

Oh no! You got 2 / 6. Please scroll up to review your answers.

Next: Writing DataWeave 2.0 Transformations

Take this multiple-choice quiz to assess your mastery of core concepts taught in the *Anypoint Platform Development: Fundamentals (Mule 4)* (/instructor-led-training/apdev-fundamentals4), the self-study *MuleSoft U Development Fundamentals (Mule 4)* (<https://training.mulesoft.com/course/mulesoftu-fundamentals4>), the *Anypoint Platform Development: Mule 4 for Mule 3 Users* (/instructor-led-training/apdev-mule443), and the self-study *MuleSoft U Mule 4 for Mule 3 Users* (<https://training.mulesoft.com/course/mulesoftu-mule443>) courses and to help you prepare for the *MuleSoft Certified Developer - Level 1 (Mule 4)* (<https://training.mulesoft.com/exam/mcd-level1>) or *MuleSoft Certified Developer - Level 1 (Mule 4) DELTA* (<https://training.mulesoft.com/exam/mcd-level1-delta>) certification exam.

- 5+ multiple-choice questions for each topic
- Identifies strengths and weaknesses
- Comparable difficulty to the proctored exam

Overview



Writing DataWeave 2.0 Transformations

Quiz

Oh no! You got 2 / 5. Please review your answers.

1.

Refer to the exhibit. An event payload contains an unordered array of flight objects, where every object has a price key and a toAirport key.

What is valid DataWeave code to return flights with price under 500, grouped by toAirport in ascending order, with the lowest price first?

```
[  
  {  
    "planeType": "Boeing 787",  
    "code2": "0001",  
    "toAirport": "LAX",  
    "takeOffDate": "2015-01-20",  
    "fromAirport": "MUA",  
    "price": 541,  
    "airlineName": "American Airlines",  
    "seatsAvailable": "none",  
    "code1": "rree"  
  },  
  {  
    "planeType": "Boeing 747",  
    "code2": "0123",  
    "toAirport": "CLE",  
    "takeOffDate": "2015-01-25",  
    "fromAirport": "MUA",  
    "price": 300,  
    "airlineName": "American Airlines",  
    "seatsAvailable": "7"  
  }]
```



```
{  
  "CLE": [  
    {  
      "planeType": "Boeing 737",  
      "code2": "1000",  
      "toAirport": "CLE",  
      "takeOffDate": "2015-01-20",  
      "fromAirport": "MUA",  
      "price": 200,  
      "airlineName": "American Airlines",  
      "seatsAvailable": "5",  
      "code1": "rree"  
    },  
    {  
      "planeType": "Boeing 747",  
      "code2": "0123",  
      "toAirport": "CLE",  
      "takeOffDate": "2015-01-25",  
      "fromAirport": "MUA",  
      "price": 300,  
      "airlineName": "American Airlines",  
      "seatsAvailable": "7",  
      "code1": "rree"  
    }  
  ],  
  "SFO": [  
    {  
      "planeType": "Boeing 737",  
      "code2": "1093",  
      "toAirport": "SFO",  
      "takeOffDate": "2015-01-20",  
      "fromAirport": "MUA",  
      "price": 200,  
      "airlineName": "American Airlines",  
      "seatsAvailable": "5",  
      "code1": "rree"  
    }  
  ]}
```

- payload groupBy \$.toAirport filter \$.price < 500 orderBy \$.price
- payload groupBy \$.toAirport filter \$.price > 500 orderBy \$.price
- payload filter \$.price < 500 orderBy \$.price groupBy \$.toAirport

Wrapping Up → payload filter \$.price > 500 orderBy \$.price groupBy \$.toAirport

2.

Refer to the exhibit. What is valid DataWeave code to transform the input JSON payload to the output XML payload?

```
%dw 2.0
output application/xml
---
employees :
employee
@(
    firstName: payload[0].employee1.firstName[0],
    lastName: payload[0].employee1.lastName[0]
) : null
```

Answers

A.

```
%dw 2.0
output application/xml
---
employees :
employee
@(
    firstName: payload[0].employee1.firstName[0],
    lastName: payload[0].employee1.lastName[0]
) : null
```

B.

```
%dw 2.0
output application/xml
---
employees :
employee
(
    firstName: payload[0].employee1.firstName[0],
    lastName: payload[0].employee1.lastName[0]
) : ""
```

C.

```
%dw 2.0
output application/xml
---
employees :
employee
@(
    firstName: payload[0].employee1.firstName[0];
    lastName: payload[0].employee1.lastName[0]
) : null
```

D.

```
%dw 2.0
output application/xml
---
employees :
  employee
  (
    firstName: payload[0].employee1.firstName[0];
    lastName: payload[0].employee1.lastName[0]
  ) : ""
```

- A
- B
- C
- D

Sorry, that's incorrect.

3.

A Mule application has a main flow and a combineNames flow. In the main flow, a variable named fullName is set to the object {firstName: "Max", lastName: "Mule"}.

What is valid DataWeave code to call the combineNames flow with the input object stored in the fullName variable?

- #[dw::Flow::lookup("combineNames", vars.fullName)]
- #[dw::Runtime::lookup("combineNames", vars.fullName)]
- #[lookup("combineNames", vars.fullName)]
- #[combineNames(vars.fullName)]
- #[lookup(combineNames(vars.fullName))]

Sorry, that's incorrect.

4.

What DataWeave 2.0 type can be used as input to a map operation?

- Array
- Object
- Map
- String
- Key

Sorry, that's incorrect.

5.

What is the correct way to format the decimal 20.3844 as a string to two decimal places?

- 20.3844 as String {format: ".0#"}
- 20.3844 as :string {format: ".0#"}
- 20.3844 as String as format: ".0#"
- 20.3844 as :string as format: ".0#"
- 20.3844 as String (format = ".0#")
- 20.3844 as :string (format = ".0#")

Correct!

Oh no! You got 2 / 5. Please scroll up to review your answers.

[Next: Triggering Flows](#)

Take this multiple-choice quiz to assess your mastery of core concepts taught in the *Anypoint Platform Development: Fundamentals (Mule 4)* (/instructor-led-training/apdev-fundamentals4), the self-study *MuleSoft U Development Fundamentals (Mule 4)* (<https://training.mulesoft.com/course/mulesoftu-fundamentals4>), the *Anypoint Platform Development: Mule 4 for Mule 3 Users* (/instructor-led-training/apdev-mule443), and the self-study *MuleSoft U Mule 4 for Mule 3 Users* (<https://training.mulesoft.com/course/mulesoftu-mule443>) courses and to help you prepare for the *MuleSoft Certified Developer - Level 1 (Mule 4)* (<https://training.mulesoft.com/exam/mcd-level1>) or *MuleSoft Certified Developer - Level 1 (Mule 4) DELTA* (<https://training.mulesoft.com/exam/mcd-level1-delta>) certification exam.

- 5+ multiple-choice questions for each topic
- Identifies strengths and weaknesses
- Comparable difficulty to the proctored exam

Overview



Triggering Flows

Quiz

Nice work! You got 100% correct. Please review your answers.

1.

A Flow Reference component sends a non-empty JSON object payload to another flow named childFlow, which then returns an XML body.

A Flow Reference component saves the payload returned from childFlow to its target attribute named payload. Refer to the exhibit.

What is true about the Mule event's payload at the next event processor after the Flow Reference component?

The screenshot shows the Anypoint Studio interface with the 'Call childFlow' component selected. The component configuration window is open, showing the following settings:

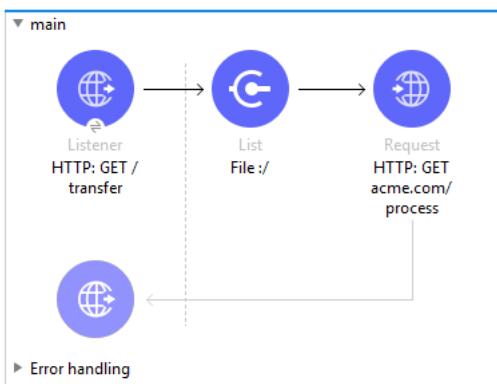
- General** tab is selected.
- Display Name:** Call childFlow
- Generic** section:
 - Flow name:** childFlow
 - Target:** payload
 - Target Value:** #[payload]

- The payload is the XML response body
- The payload is a non-empty Java object
- The payload is the original JSON object
- The payload is null

Correct!

2.

Refer to the exhibit. What is the object type returned by the File List operation?



- Array of Mule event objects
- Object of Mule event objects
- Array of String file names
- Object of String file names

Correct!

3.

In the Database On Table Row operation, what does the Watermark column enable the On Table Row operation to do?

- To save the most recent records retrieved from a database to enable database caching
- To avoid duplicate processing of records in a database
- To enable multithreaded event processing for each record retrieved from a database
- To save the payload into the ObjectStore for future reference

Correct!

4.

Assume that a database table contains a recordID column that always increases as new records get added to the table.

In a Mule application, what is the key process to enable manual watermarking for requests to a database using the Scheduler endpoint and the Database SELECT operation?

- Save the max recordID from the set of recordIDs in an ObjectStore and reference this recordID in subsequent database requests
- Enable automatic watermarking in the Database Select operation
- Set the Watermark column in the Scheduler endpoint to the recordID
- Save the max recordID from the set of recordIDs in a variable and reference this variable in subsequent database requests

Correct!

5.

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** (does not wait for a response before continuing to the next event processor) and which operation is **synchronous** (blocks and waits for a response or timeout before continuing to the next event processor)?

- Publish consume: Asynchronous. Publish: Synchronous
- Publish consume: Asynchronous. Publish: Asynchronous

Publish consume: Synchronous. Publish: Asynchronous

Publish consume: Synchronous. Publish: Synchronous

Correct!

Nice work! You got 100% correct. Please scroll up to review your answers.

[Next: Processing Records](#)

Take this multiple-choice quiz to assess your mastery of core concepts taught in the *Anypoint Platform Development: Fundamentals (Mule 4)* (/instructor-led-training/apdev-fundamentals4), the self-study *MuleSoft.U Development Fundamentals (Mule 4)* (<https://training.mulesoft.com/course/mulesoftu-fundamentals4>), the *Anypoint Platform Development: Mule 4 for Mule 3 Users* (/instructor-led-training/apdev-mule443), and the self-study *MuleSoft.U Mule 4 for Mule 3 Users* (<https://training.mulesoft.com/course/mulesoftu-mule443>) courses and to help you prepare for the *MuleSoft Certified Developer - Level 1 (Mule 4)* (<https://training.mulesoft.com/exam/mcd-level1>) or *MuleSoft Certified Developer - Level 1 (Mule 4) DELTA* (<https://training.mulesoft.com/exam/mcd-level1-delta>) certification exam.

- 5+ multiple-choice questions for each topic
- Identifies strengths and weaknesses
- Comparable difficulty to the proctored exam

Overview



Processing Records

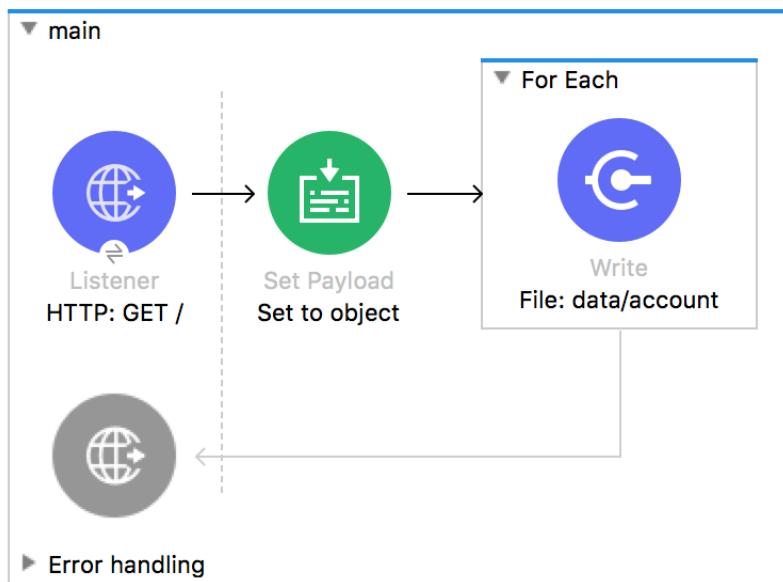
Quiz

Oh no! You got 1 / 6. Please review your answers.

1.

Refer to the exhibits. The Set Payload component sets the payload to a Map object (not an Array). The File Write operation writes out files based on this Map object.

How many files are written to the file system when the flow executes?



```

<flow name="main">
    <http:listener doc:name="HTTP: GET /" config-ref="HTTP_Listener_config" path="/" />
    <set-payload value="#[{"account": {"accountID": "4829ADJ-4833", "name": "Mary Loo", "balance": 48191.48}, {"account": {"accountID": "4382AJJ-4833", "name": "Lauren Flork", "balance": 1391.48}, {"account": {"accountID": "KJ6FF8-4833", "name": "Lak Li", "balance": 282.48}}]" doc:name="Set to object"/>
    <foreach doc:name="For Each" batchSize="2">
        <file:write doc:name="File: data/account" path="#["data/account-" ++ random()]" />
    </foreach>
</flow>

```

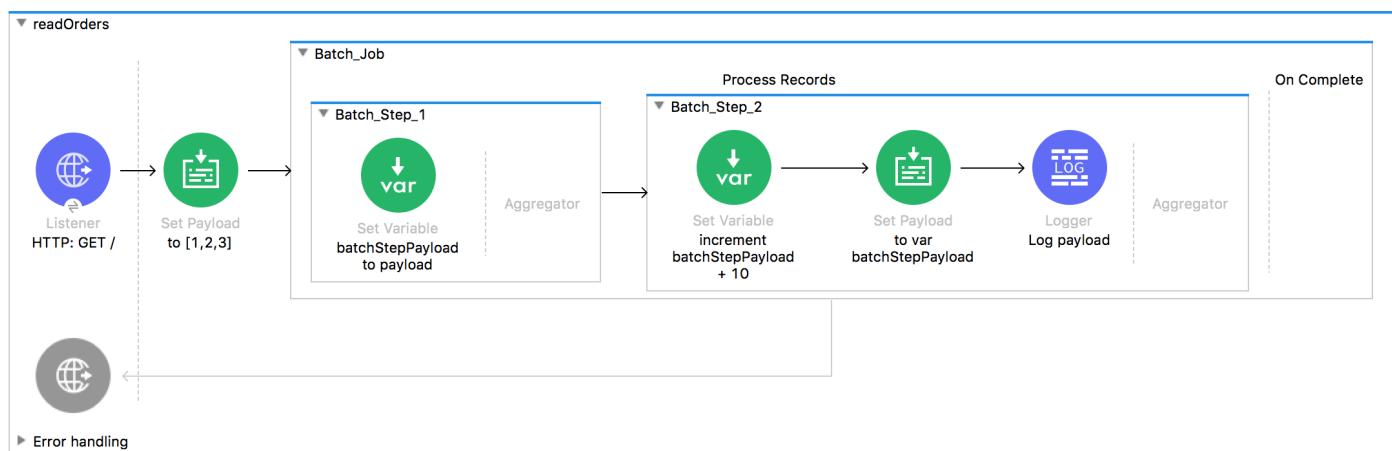
- 0
- 1
- 2
- 3

Sorry, that's incorrect.

2.

Refer to the exhibit. The payload [1,2,3] is passed to the Batch Job scope. In Batch_Step_1, a variable named batchStepPayload is set to the current payload.

What is the value of the last log message after one batch job completes?

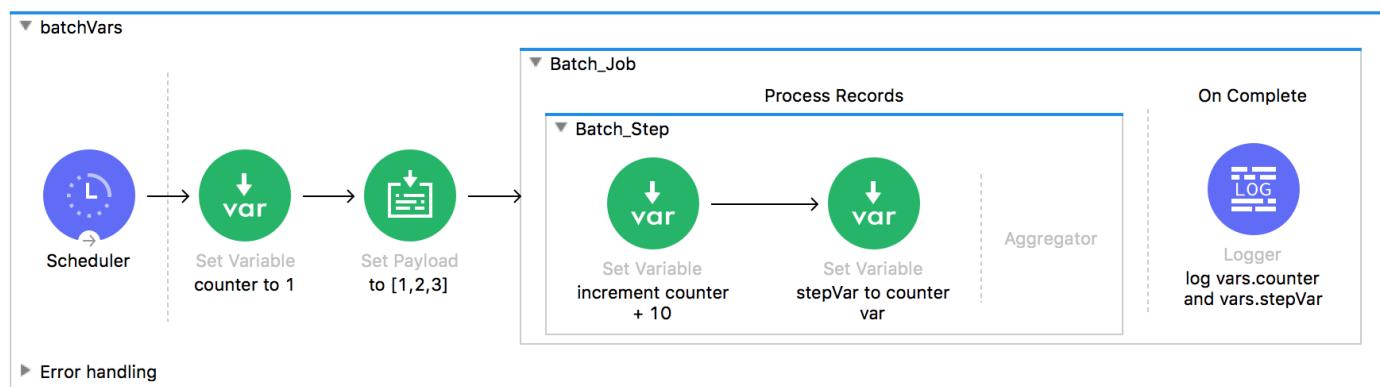


- 13
- [11,12,13]
- 33
- 30
- 10

Sorry, that's incorrect.

3.

Refer to the exhibit. What are the values of the counter and stepVar variables in the On Complete phase?

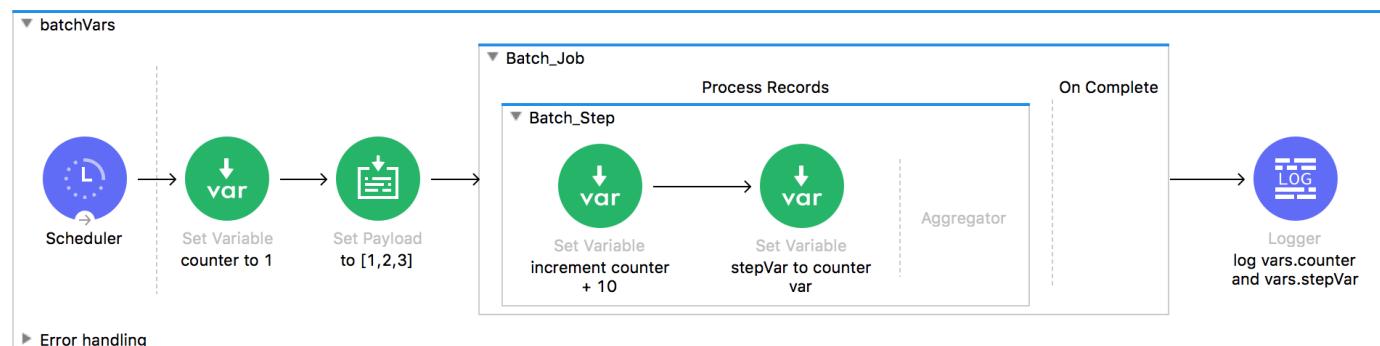


- counter: 31, stepVar: 31
- counter: 1, stepVar: 31
- counter: 31, stepVar: null
- counter: 1, stepVar: null

Correct!

4.

Refer to the exhibit. What are the values of the counter and stepVar variables after the Batch Job?



- counter: 31, stepVar: 31
- counter: 1, stepVar: 31
- counter: 1, stepVar: null
- counter: 31, stepVar: null

Sorry, that's incorrect.

5.

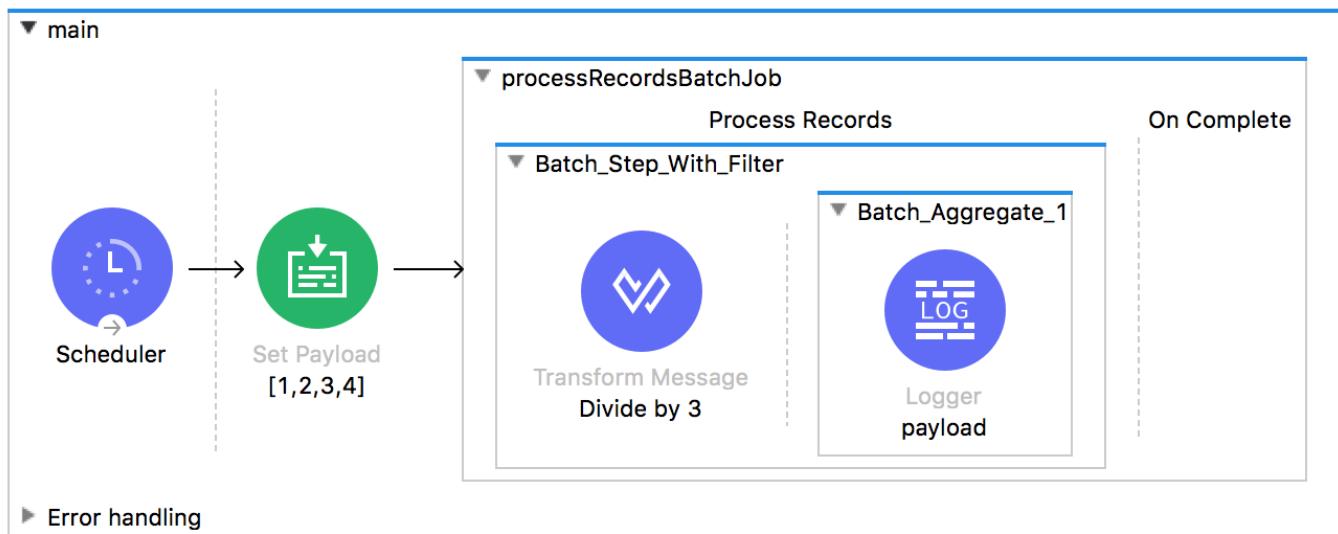
A Batch Job scope has three batch steps. An event processor in the second batch step throws an error because the input data is incomplete.

What is the default behavior of the batch job after the error is thrown?

- Event processing continues to the third batch step
- All processing of the batch job stops
- The second batch step is retried
- The first batch step is retried

Sorry, that's incorrect.

Refer to the exhibits. What is the output of the Logger component in the Batch Job?



```

<flow name="main" >
    <scheduler doc:name="Scheduler" >
        <scheduling-strategy><fixed-frequency frequency="10000"/></scheduling-strategy>
    </scheduler>
    <set-payload value="#[[1,2,3,4]]" doc:name="[[1,2,3,4]]" />
    <batch:job jobName="processRecordsBatchJob" >
        <batch:process-records >
            <batch:step name="Batch_Step_With_Filter" acceptExpression="#[(payload mod 2) != 0]">
                <ee:transform doc:name="Divide by 3" >
                    <ee:message ><ee:set-payload ><![CDATA[%dw 2.0
                        output application/java
                        ---
                        payload / 3]]></ee:set-payload>
                    </ee:message>
                </ee:transform>
                <batch:aggregator doc:name="Batch_Aggregate_1" size="1">
                    <logger level="INFO" doc:name="payload" message="#[payload]"/>
                </batch:aggregator>
            </batch:step>
        </batch:process-records>
    </batch:job>
</flow>

```

Answers

A.

[.333]

[1]

B.

[.333, 1]

C.

[.333, .667, 1, 1.333]

D.

[.333]

[.667]

[1]

[1.333]

- A
- B
- C
- D

Sorry, that's incorrect.

Oh no! You got 1 / 6. Please scroll up to review your answers.