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
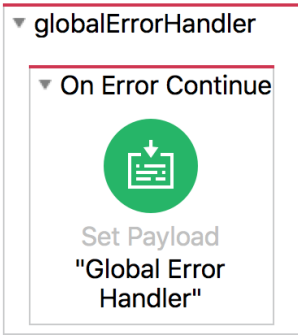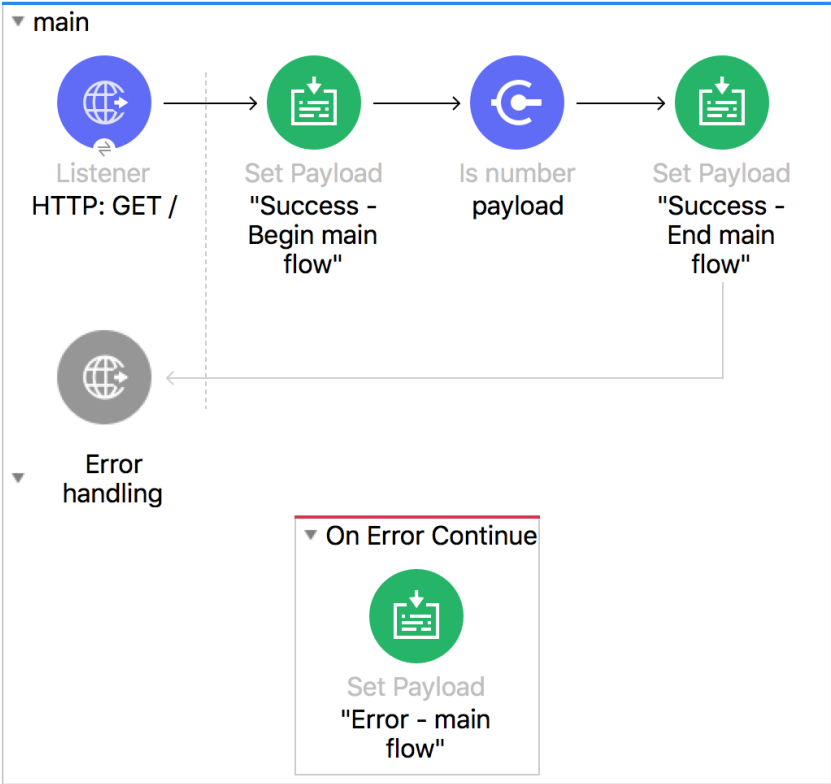- Comparable difficulty to the proctored exam

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
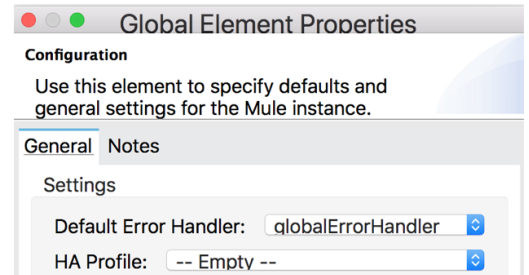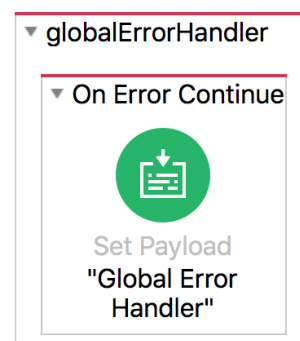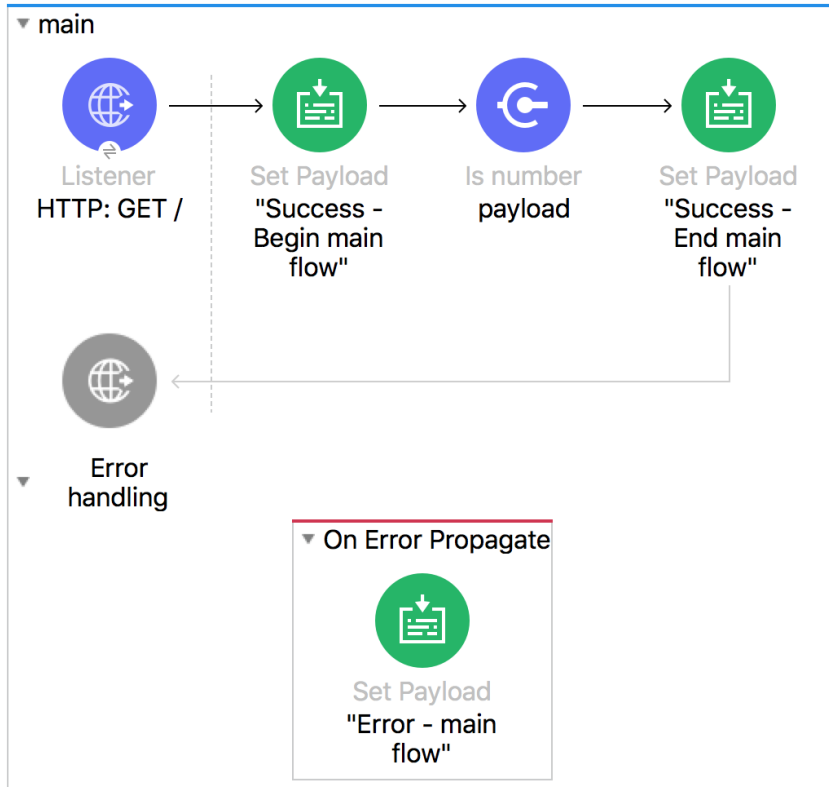- ○ Validate - Payload is an Integer
- ○ Global Error Handler

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
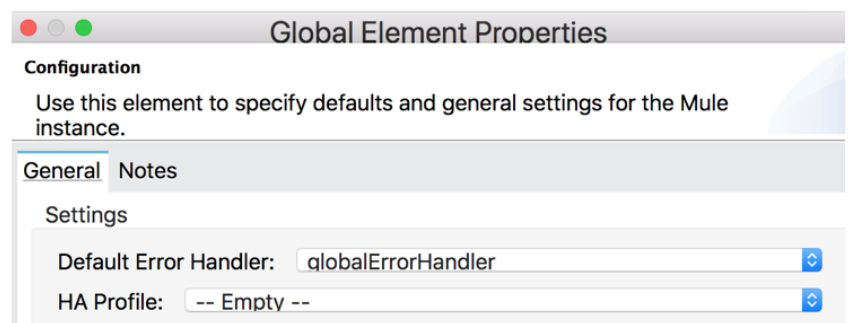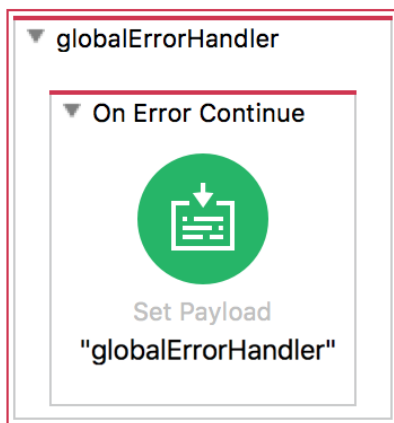
○ Global Error Handler

> *Sorry, that's incorrect.*

3.

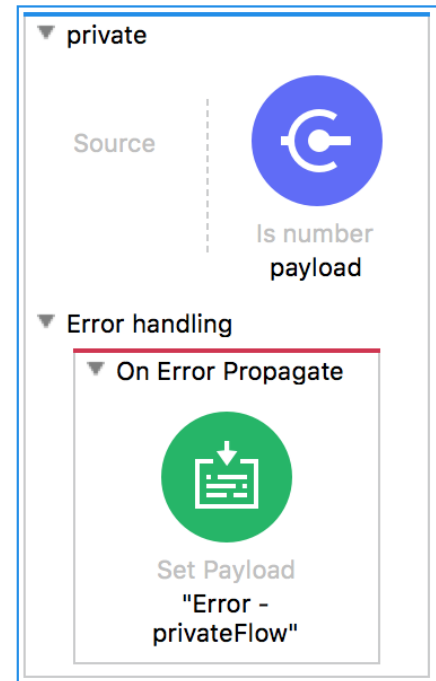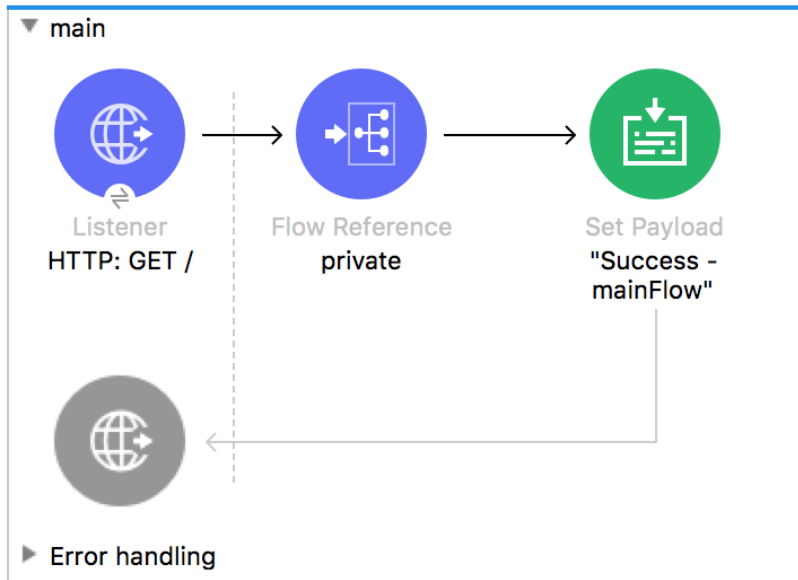Refer to the exhibits. The private flow has an On Error Propagate scope. In the Configuration global element, default error handler is set to globalErrorHandler.

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!

4.

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>
```
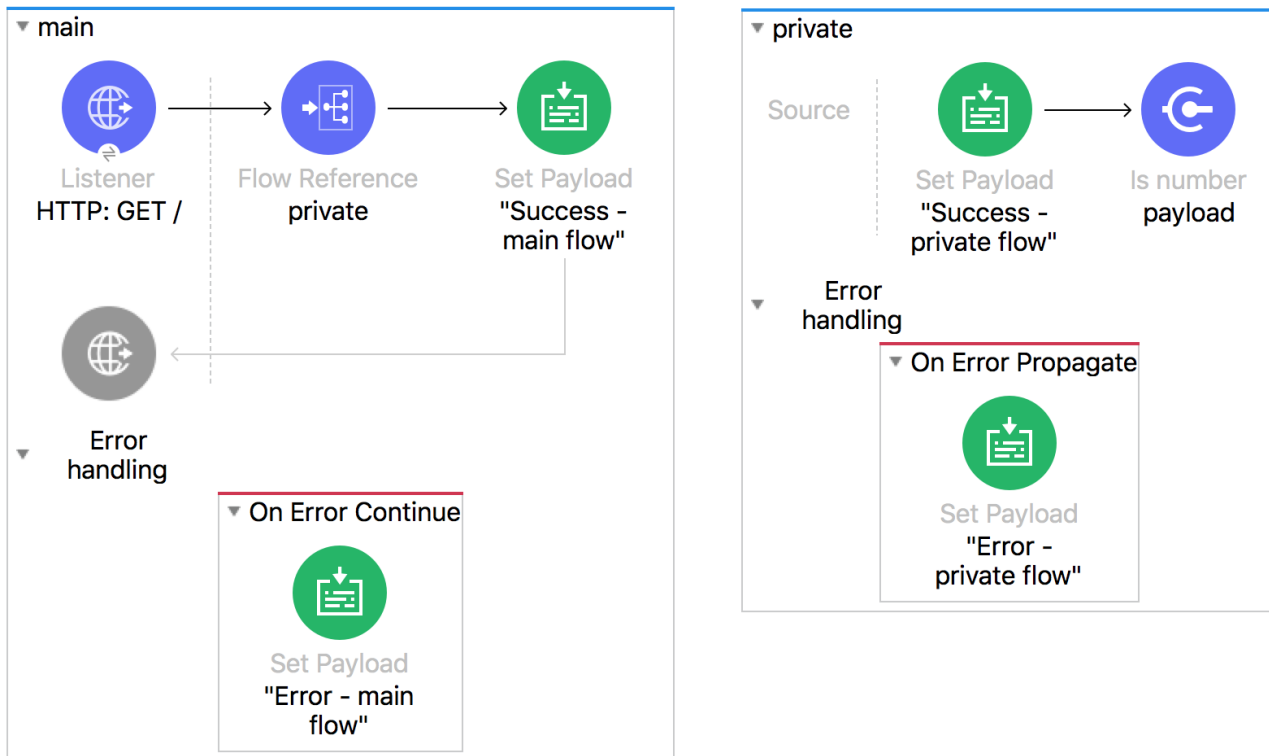
- ○ Error - main flow
- ○ Success - main flow
- ○ Error - private flow
- ○ Success - private flow
- ○ Validate - Payload is Integer

Sorry, that's incorrect.

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?

Global Element Properties
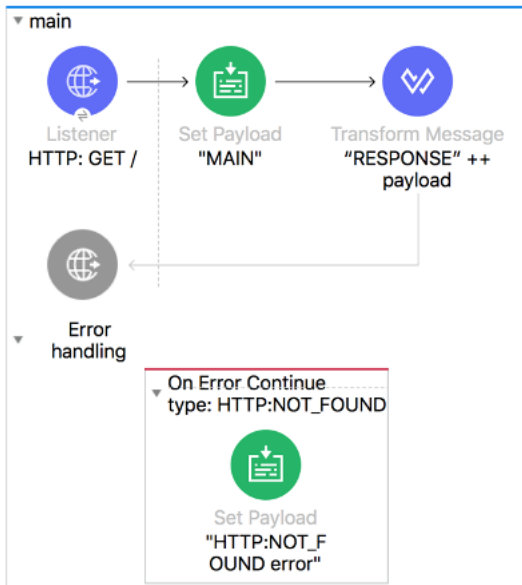
Configuration

Use this element to specify defaults and general settings for the Mule instance.

General Notes

Settings

Default Error Handler: globalErrorHandler

HA Profile: -- Empty --

▼ On Error Continue

Set Payload
"Global Error Handler"

▼ main

Listener
HTTP: GET /

Set Payload
"MAIN"

Transform Message
"RESPONSE" ++
payload

Error
handling

▼ On Error Continue
type: HTTP:NOT_FOUND

Set Payload
"HTTP:NOT_F
OUND error"

```xml
<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