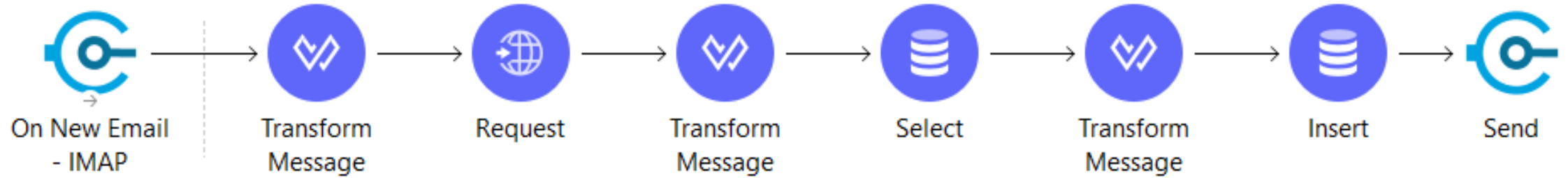


MULE ESB

ESB-FLOW DIAGRAM

▼ ex5.2_esb_customization_group_aFlow



► Error handling

GLOBAL ELEMENTS

EMAIL IMAP

```
<email:imap-config name="Email_IMAP" doc:name="Email IMAP" doc:id="a7bfbe17-2353-4c8b-9343-3eb885f76501" >
  <email:imaps-connection host="imap.gmail.com"
    port="993" user="usjmule@gmail.com"
    password="mule123456">
    <tls:context>
      <tls:trust-store insecure="true"/>
    </tls:context>
  </email:imaps-connection>
</email:imap-config>
```

EMAIL SMTP

```
<email:smtp-config name="Email_SMTP" doc:name="Email SMTP" doc:id="e79f0e94-94b7-40b4-be5f-30bf8511c7d0" >
  <email:smtps-connection host="smtp.gmail.com"
    port="465" password="mule123456"
    user="usjmule@gmail.com">
    <tls:context>
      <tls:trust-store insecure="true"/>
    </tls:context>
  </email:smtps-connection>
</email:smtp-config>
```

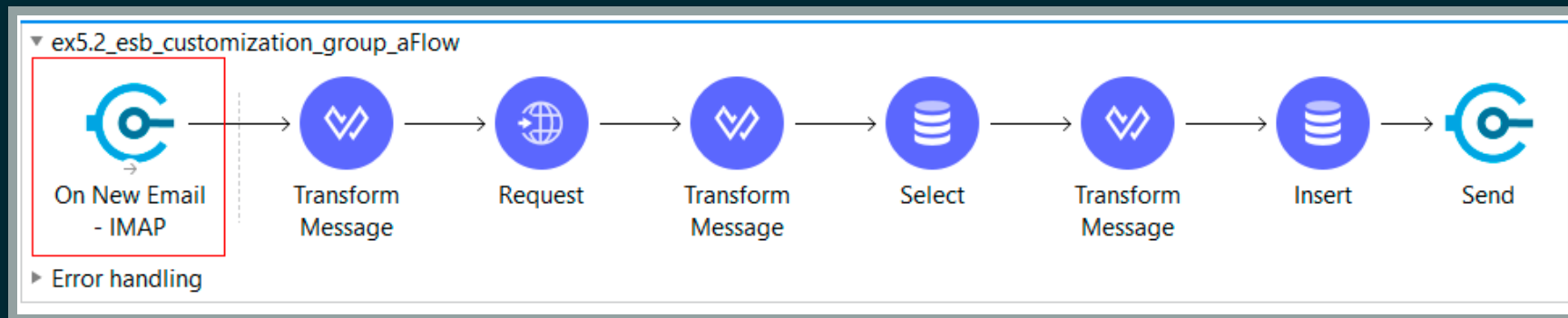
HTTP REQUEST

```
<http:request-config name="HTTP_Request_configuration" doc:name="HTTP Request configuration"
doc:id="15c4572a-8687-402f-b3d2-ccd68381e491" basePath="/api/timezone">
|   <http:request-connection host="worldtimeapi.org" />
</http:request-config>
```

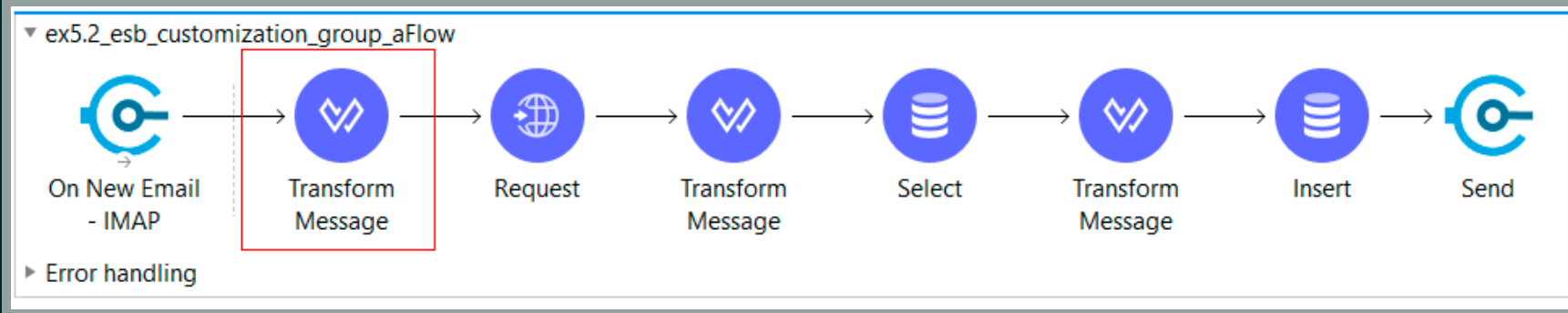
DATABASE

```
<db:config name="Database_Config" doc:name="Database Config" doc:id="91388075-1071-481a-8e10-4f6bf4f294c2" >  
  <db:mysql-connection host="ec2-54-71-15-215.us-west-2.compute.amazonaws.com" port="3306" user="dbuser" password="dbpassword"  
    database="devdb" />  
</db:config>
```

FLOW



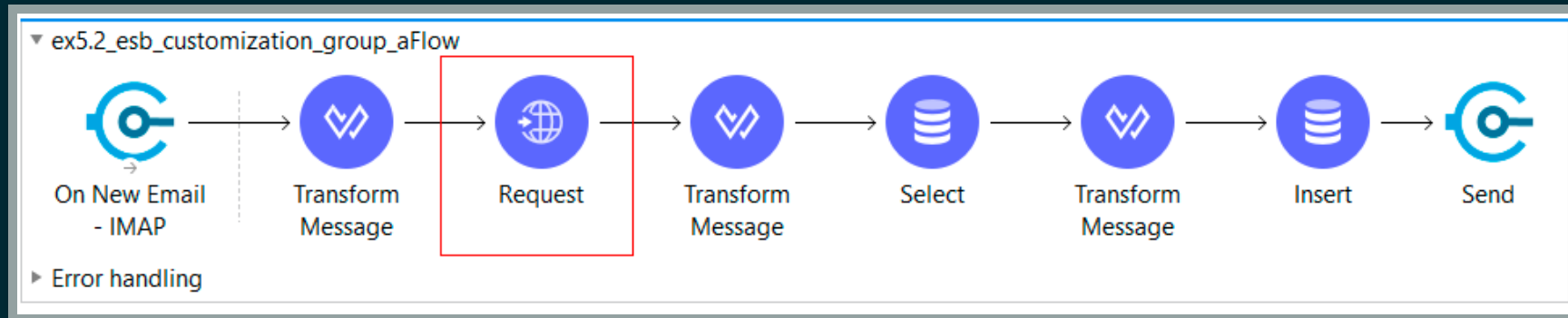
```
<email:listener-imap doc:name="On New Email - IMAP" doc:id="2156a0df-3037-4dd2-8449-b489be0db346" config-ref="Email_IMAP">
  <scheduling-strategy >
    <fixed-frequency />
  </scheduling-strategy>
</email:listener-imap>
```



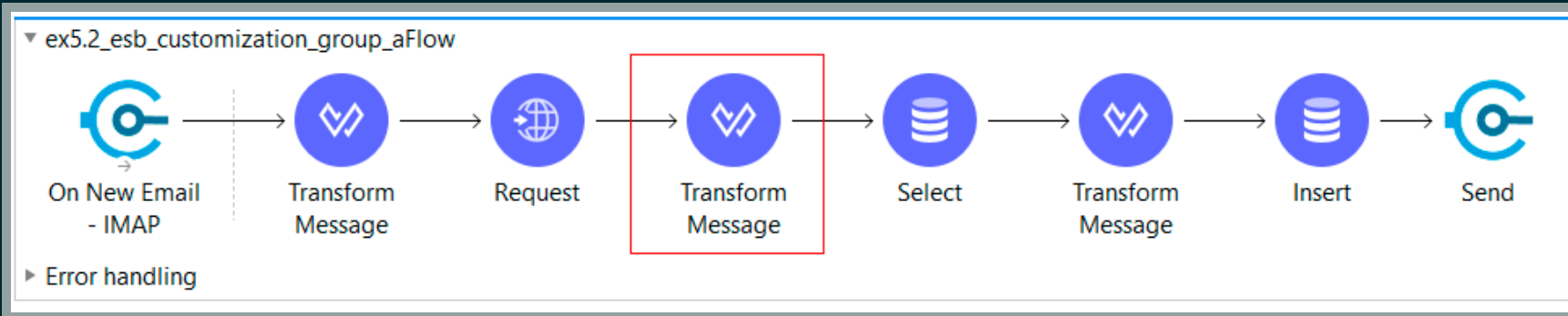
```

<ee:transform doc:name="Transform Message" doc:id="c879a46e-bcb5-4ffc-bd43-0395034e3422">
  <ee:message>
  </ee:message>
  <ee:variables >
    <ee:set-variable variableName="message" >
      <![CDATA[
        %dw 2.0
        output application/json
        var body = payload.body
        var productid = attributes.subject
        var address = attributes.fromAddresses
        ---
        {
          from: address,
          product: productid,
          message: body
        }
      ]]>
    </ee:set-variable>
  </ee:variables>
</ee:transform>

```



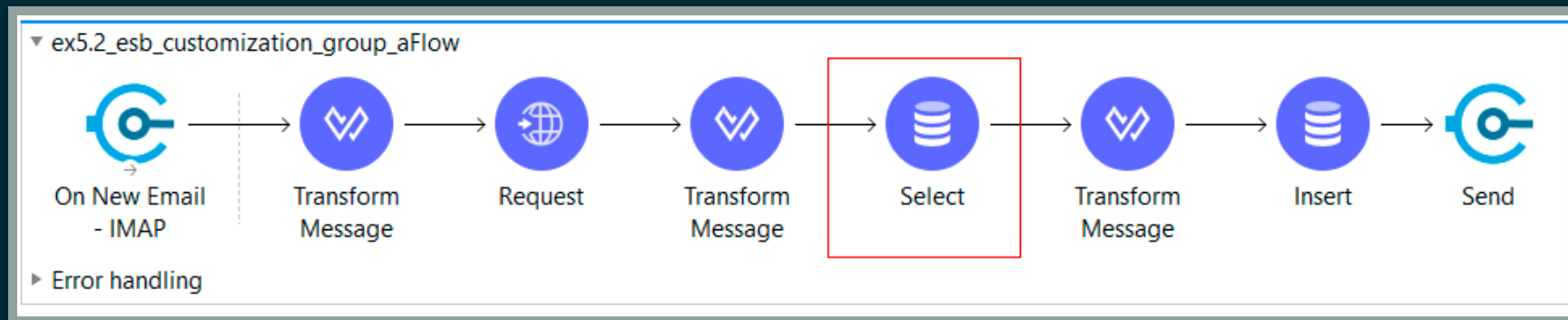
```
<http:request-config name="HTTP_Request_configuration" doc:name="HTTP Request configuration"
doc:id="15c4572a-8687-402f-b3d2-ccd68381e491" basePath="/api/timezone">
|   <http:request-connection host="worldtimeapi.org" />
</http:request-config>
```



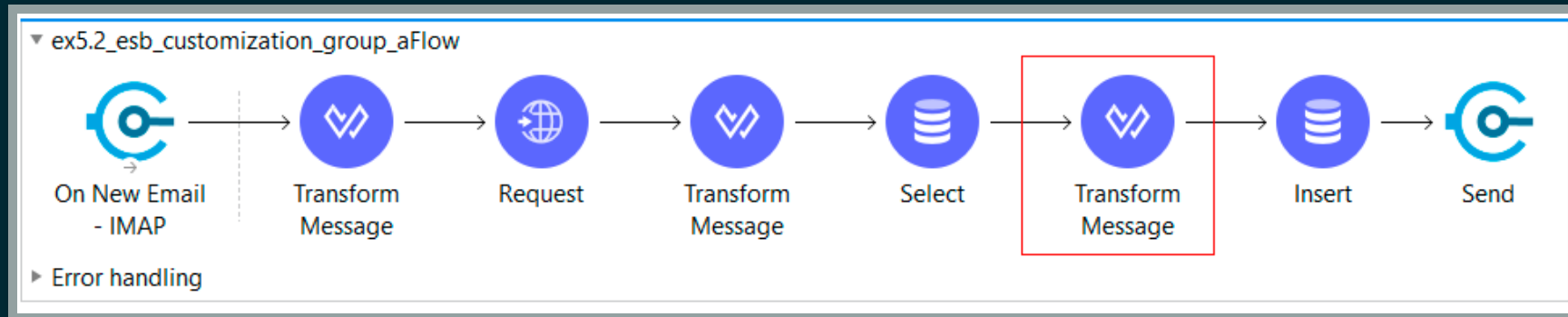
```

<ee:transform doc:name="Transform Message" doc:id="0629b00c-4599-4fd9-a1fa-a1cbf89ee5d3" >
  <ee:message >
  </ee:message>
  <ee:variables >
    <ee:set-variable variableName="message2" >
      <![CDATA[
        %dw 2.0
        output application/json
        ---
        {
          datetime: payload.datetime,
          from: vars.message.from[0],
          product: vars.message.product,
          message: vars.message.message
        }
      ]]>
    </ee:set-variable>
  </ee:variables>
</ee:transform>

```



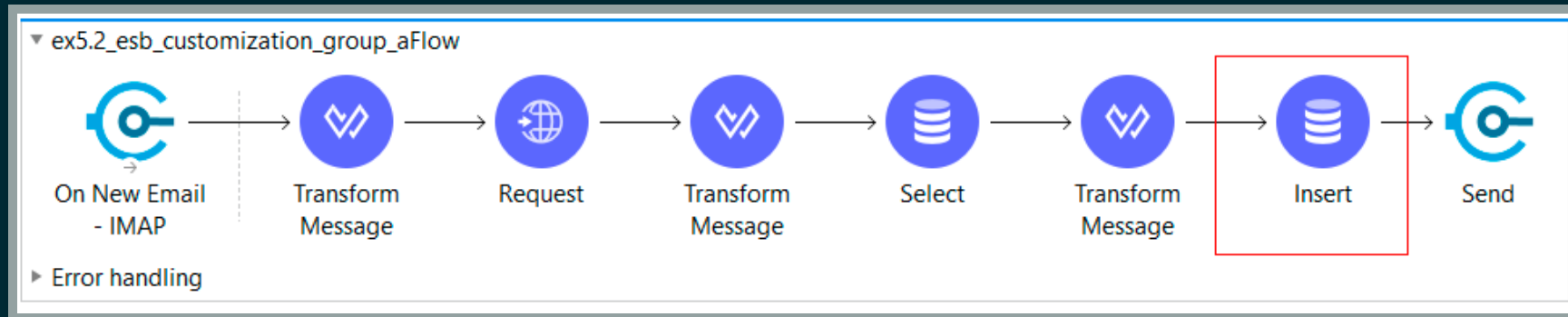
```
<db:select doc:name="Select" doc:id="b84f8ca3-3482-468f-b006-b5577efd9c08" config-ref="Database_Config">
  <db:sql >SELECT product_name FROM products WHERE product_id = :id;</db:sql>
  <db:input-parameters ><![CDATA[#[{'id' : vars.message.product}]]></db:input-parameters>
</db:select>
```



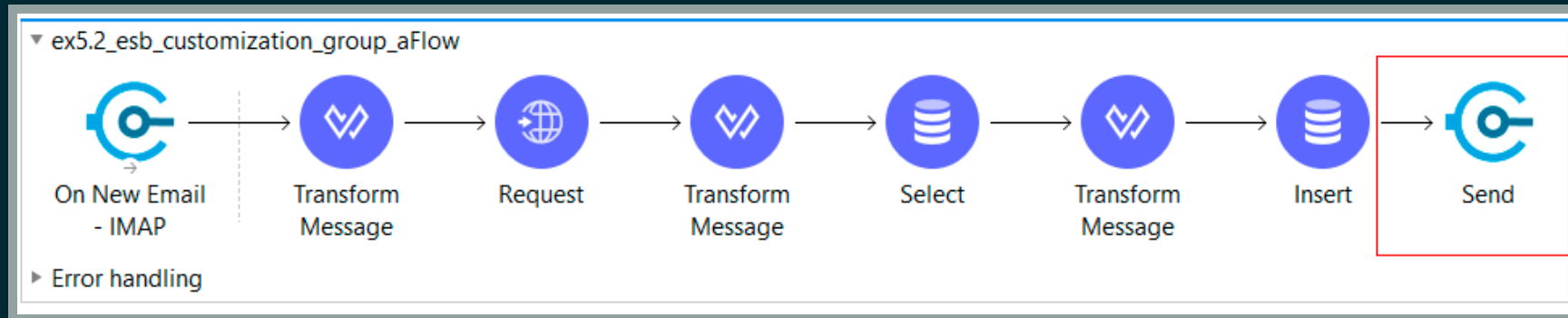
```

<ee:transform doc:name="Transform Message" doc:id="ae54d96c-34cc-488b-83aa-848ea363d998" >
  <ee:message >
  </ee:message>
  <ee:variables >
    <ee:set-variable variableName="message3" >
      <![CDATA[
        %dw 2.0
        output application/json
        ---
        {
          datetime: vars.message2.datetime,
          from: vars.message2.from,
          product: payload[0].product_name,
          message: vars.message2.message
        }
      ]]>
    </ee:set-variable>
  </ee:variables>
</ee:transform>

```



```
<db:insert doc:name="Insert" doc:id="81a2bd33-5870-4650-aab2-164aadf8ec35" config-ref="Database_Config">
  <db:sql >INSERT INTO incident VALUES(:fecha, :description)</db:sql>
  <db:input-parameters >
    <![CDATA[
      #{ fecha: vars.message3.datetime,
        description: vars.message3.message
      }
    ]]>
  </db:input-parameters>
</db:insert>
```



```

<email:send doc:name="Send" doc:id="74e0a71f-1a54-4aa6-9145-4ab559c0c15f" config-ref="Email_SMTP" subject="#[vars.message3.datetime]"
fromAddress="usjmule@gmail.com">
  <email:to-addresses>
    <email:to-address value="lucasyarza@gmail.com"/>
    <email:to-address value="usjlucas@gmail.com"/>
  </email:to-addresses>
  <email:body>
    <email:content ><![CDATA#[vars.message3]]></email:content>
  </email:body>
</email:send>
  
```