WAY2LEARN

LAB   : Using EntryPointResolvers
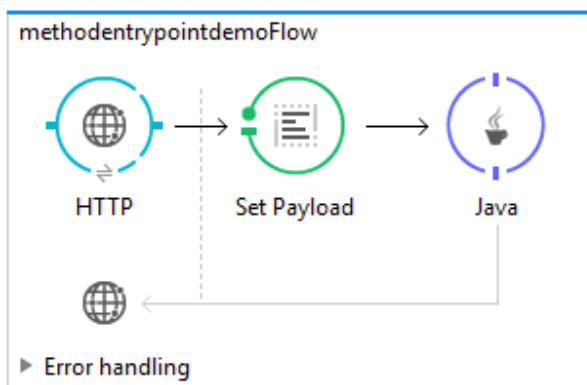
In this   Lab, you will understand how to use various   EntryPointResolvers

You will be working in project "01-mulebasics-start" under 01-mule-basics

STEP 1

In this step, you will understand how to use method entry point resolver.

For Step 1, the create a   flow which   will look like below :

1) For Http Listener, give the path as "/mep" and use the same "Http Listener configuration" which u configured earlier

2) We expect that this flow will be given following request :
   http://localhost:8081/mep?stock=mule

3) Configure "Set Payload" transformer to set the payload as the value for "stock"

4) For the Java Component, Configure the Class as **com.way2learnonline.StockQuoteServiceWithTwoMethods**

5) Configure JavaComponent such that when request is given, **getStockPriceINR(String)** is selected as entrypoint (Hint : Use Method entry point resolver)
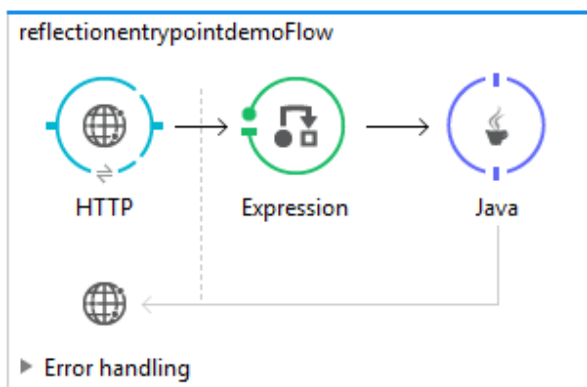
   Deploy the application and Give request to   http://localhost:8081/mep?stock=mule

   Which method is called?

STEP 2

In this Step, you will inderstand how to use   Reflection entrypoint resolver

For Step 2, the Flow will be as below :

1) Create   a flow file with name "**reflectionentrypointdemo**". Drag and drop the components as shown above.

2) Configure path for http listener as "/rep" and use same "Http Listener Configuration" which was configured earlier

3) For the Java Component, Configure the Class as **com.way2learnonline. REPResolverDemo**

4) In this step, you can expect that Http request will contain two request parameters: **name and city**

5) U can add an Expression transformer between Http Endpoint and Java Component. Make Sure that Expression transformer return an array of name and city.

6) Give a http request to http://localhost:8081/rep   and send name and city as request parameters.
Observe Which method is getting called

7) If u want singleArgumentMethod to be called,   how do u change the expression

8) If u want noArgumentMethod to be called,   how do u change the expression

This is the end of the Exercise

LAB 2 : Using Annotations

In this   Lab, you will understand how to use annotations on java components

You will be working in same project "01-mulebasics-start"

The Flow for step1 and Step2 will look as below :

STEP 1 :

1)Create a new flow with name "05annotationsdemo"   as shown above

2) Give the path for Http Listener as "/annot" as point it to same "http Listener configuration"

2) For Set payload transformer, set the payload as "Mule"

2) Open **AnnotatedComponent.java** in mule basic project.

3) Configure PriceComponent as a spring bean by going to global element

4) Annotate PriceComponent field in **AnnotatedComponent.java** so that it will be injected

5)Configure **processMessage()** method such that payload is injected into name, mule message id is injected into id and inbound header "Host"   into hostName

6) Give a request as http://localhost:8081/annot

STEP 2

1) Configure **AnnotatedComponent.java** as a spring bean

2) Check if @Lookup Annotation is working or not

3)Configure <context:annotation-config /> in Spring Configuration . Make sure the context namespace is imported by adding following in root tag mule

xmlns:context=*"http://www.springframework.org/schema/context"*

and

http://www.springframework.org/schema/context
http://www.springframework.org/schema/context/spring-context-current.xsd

in xsi:schemaLocation

4)Now use @Autowired instead of @Lookup

5)Check if @Autowired is working or not.