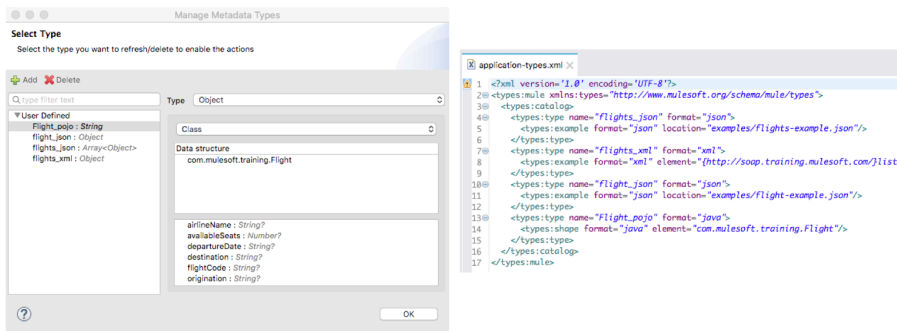


Walkthrough 7-6: Manage metadata for a project

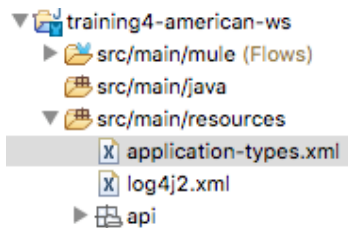
In this walkthrough, you define metadata for the new apdev-flights-ws project. You will:

- Review existing metadata for the training-american-ws project.
- Define new metadata to be used in transformations in the new apdev-flights-ws project.
- Manage metadata.

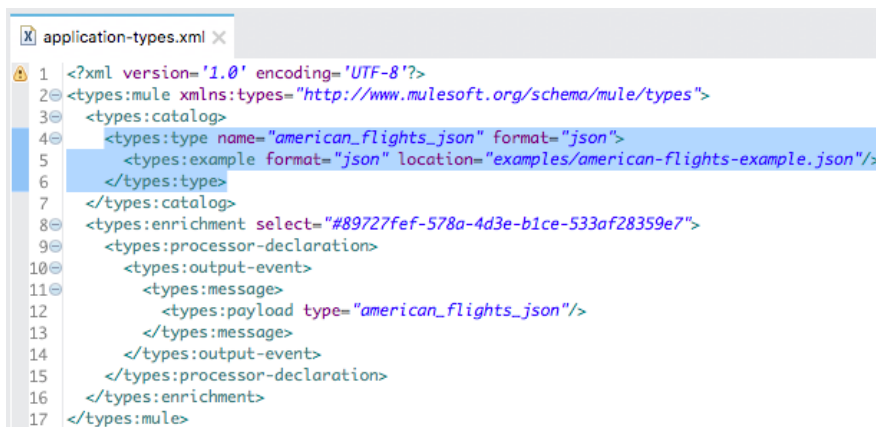


Locate existing metadata in the training-american-ws project

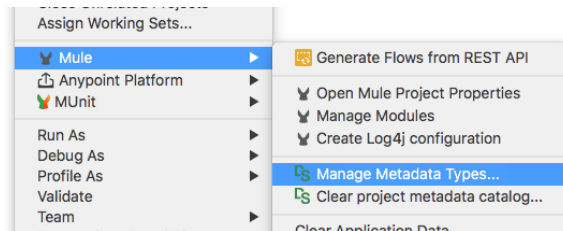
1. Open the training-american-ws project.
2. Locate application-types.xml in src/main/resources.



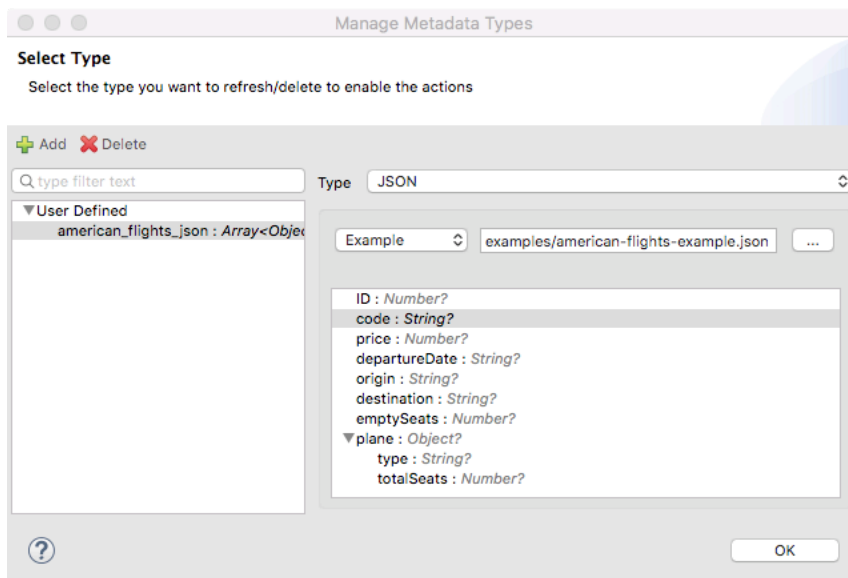
3. Open the file and review the code.



- Right-click the training-american-ws project in the Project Explorer and review the options under Mule; you should see two for metadata.



- Select Mule > Manage Metadata types.
- In the Manage Metadata Types dialog box, select the american-flights_json type.



- Click OK.
- Close the project.

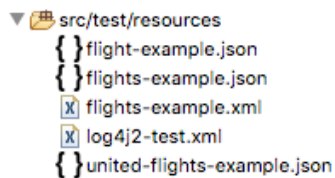
Review the API specification and resources for the new apdev-flights-ws project

- Return to the apdev-flights-ws project.
- Return to mua-flights-api.raml and review the specified response and request types.

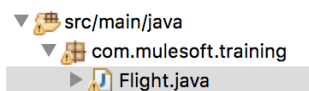
```
responses:
  200:
    body:
      application/json:
        type: Flight[]
        example: !include examples/FlightsExample.raml

post:
  body:
    application/json:
      type: Flight
      example: !include examples/FlightNoIDExample.raml
```

11. Locate the files you added to the src/test/resources folder.



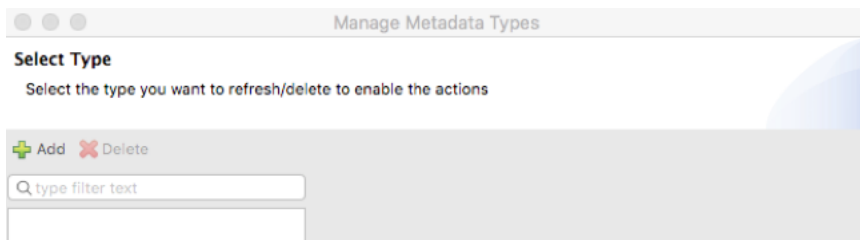
12. Locate the files you added to the src/main/java folder.



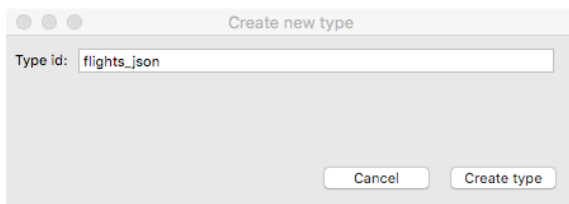
Create flights_json metadata type

13. Right-click the project and select Mule > Manage Metadata Types.

14. In the Select metadata type dialog box, click the Add button.



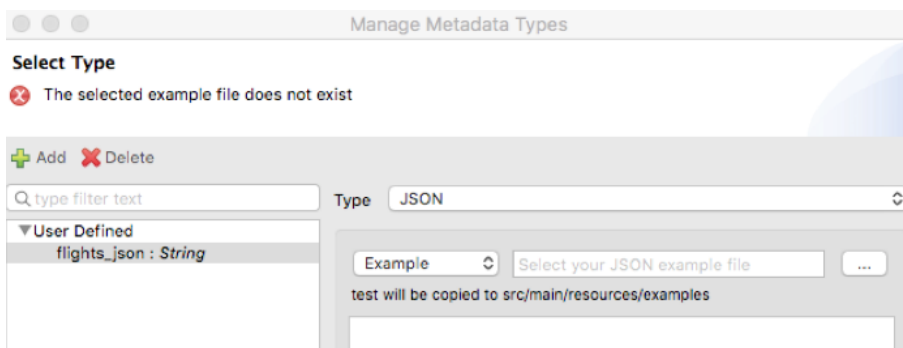
15. In the Create new type dialog box, set the type id to flights_json.



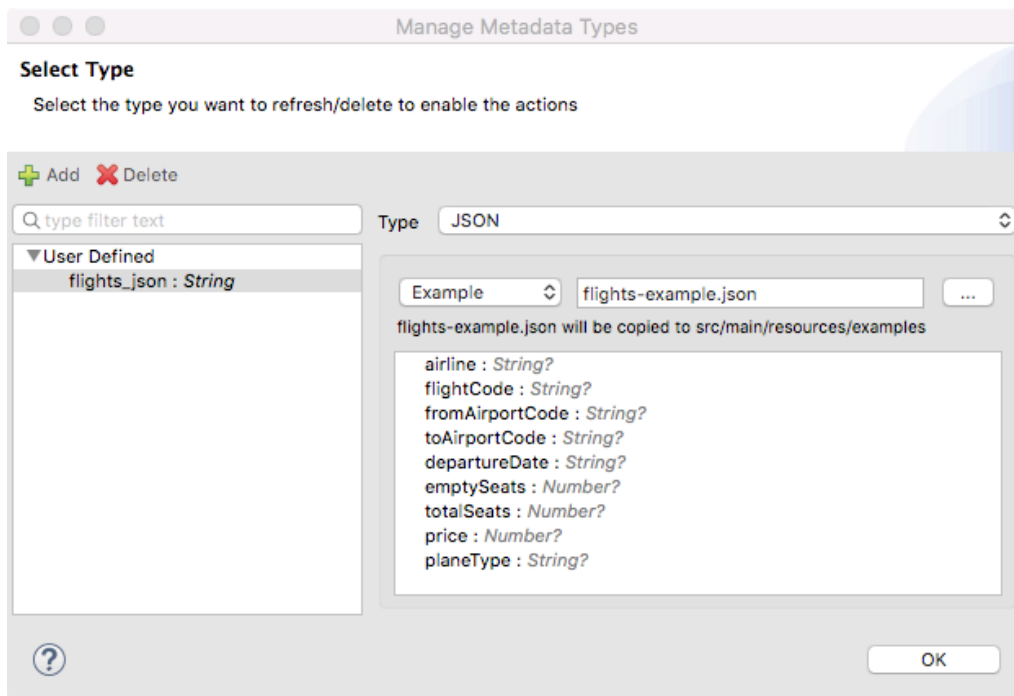
16. Click Create type.

17. In the Select metadata type dialog box, set the type to JSON.

18. In the drop-down menu beneath the type, select Example.



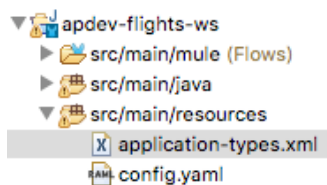
19. Click the browse button and select the flights-example.json file in src/test/resources.



20. In the Select metadata type dialog box, click OK.

Locate the new metadata definition file

21. Locate application-types.xml in src/main/resources.

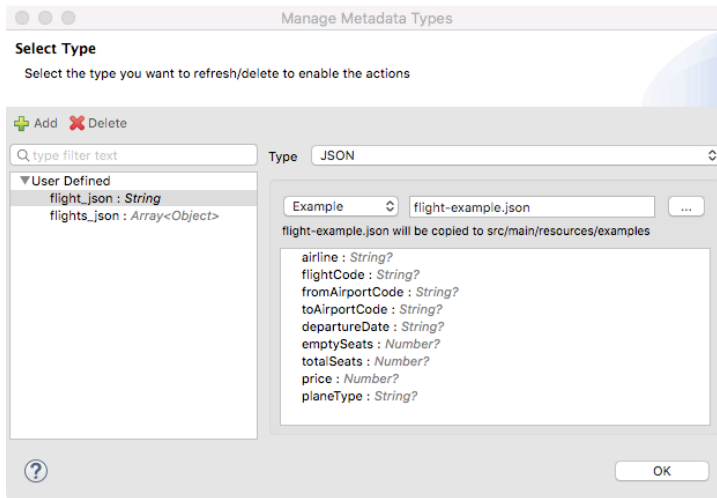


22. Open the file and review the code.



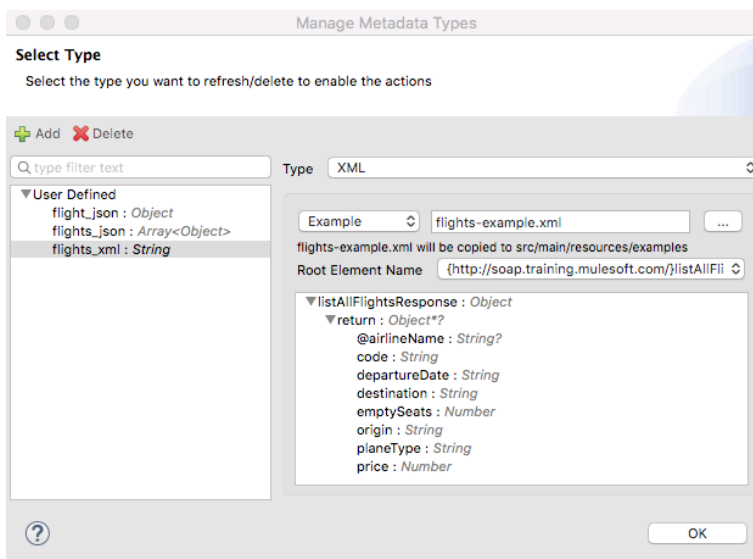
Create flight_json metadata type

23. Right-click the project and select Mule > Manage Metadata Types.
24. In the Select metadata type dialog box, click Add.
25. In the Create new type dialog box, set the type id to flight_json and click Create type.
26. In the Select metadata dialog box, set the type to JSON.
27. Select Example and browse to and select the flight-example.json file in src/test/resources.



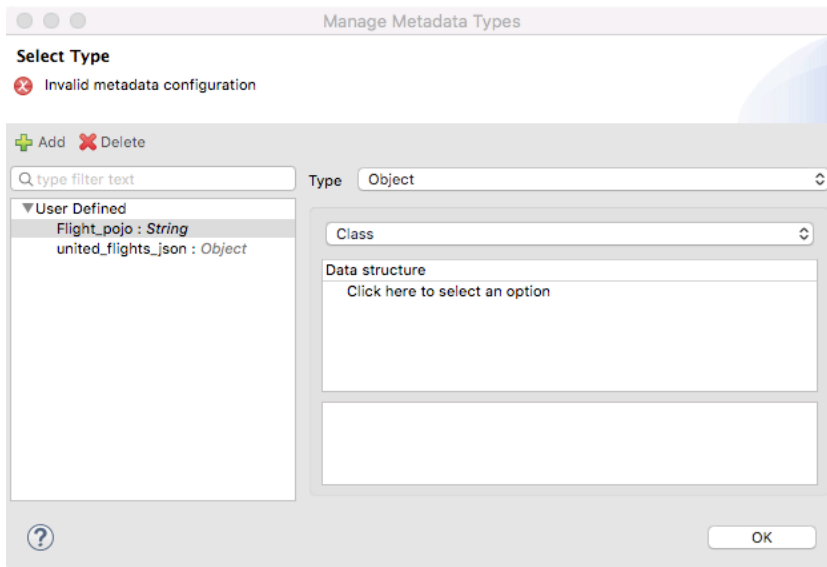
Create flights_xml metadata type

28. In the Select metadata type dialog box, click Add.
29. In the Create new type dialog box, set the type id to flights_xml and click Create type.
30. In the Select metadata dialog box, set the type to XML.
31. Select Example and browse to and select the flights-example.xml file in src/test/resources.

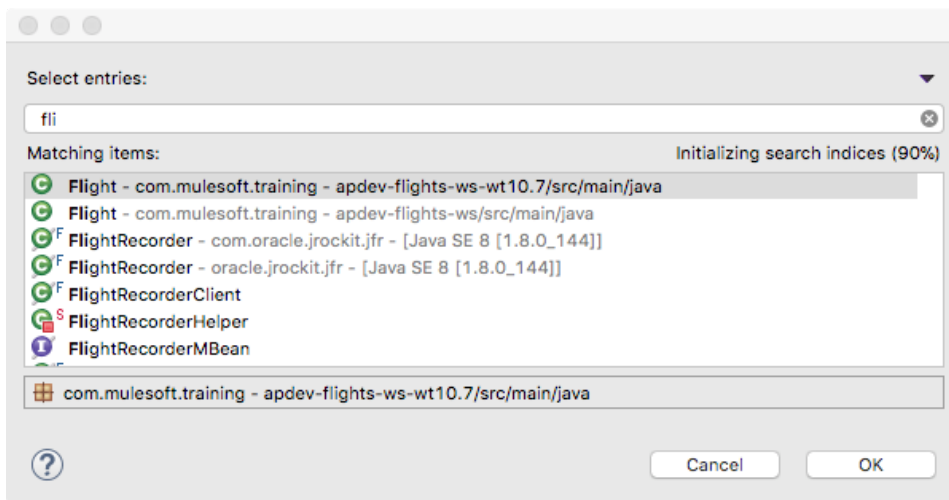


Create Flight metadata type

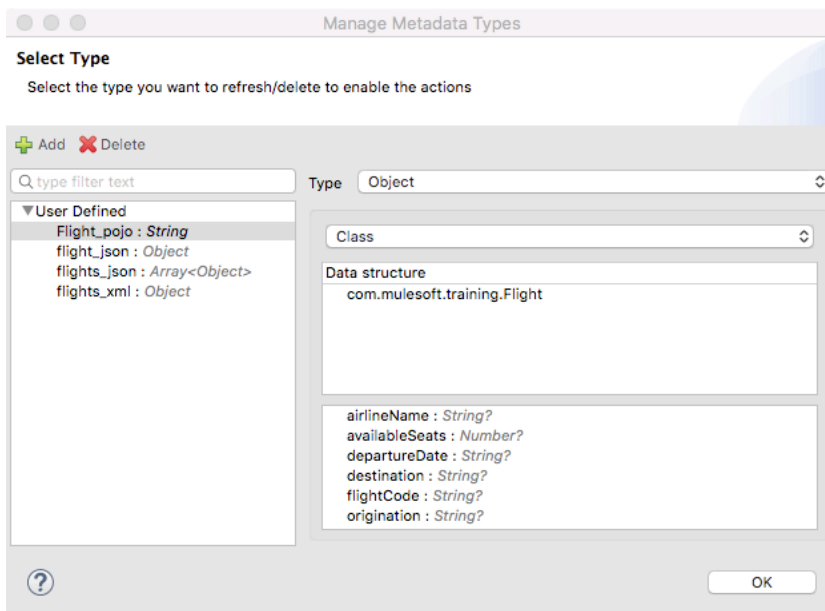
32. In the Select metadata type dialog box, click the Add button.
33. In the Create new type dialog box, set the type id to Flight_pojo and click Create type
34. In the Select metadata type dialog box, set the type to Object.



35. In the Data structure section, click the Click here to select an option link.
36. In the drop-down menu that appears, select Java object.
37. In the dialog box that opens, type fli and then in the list of classes that appears, select Flight – com.mulesoft.training.com.



38. Click OK.



39. In the Manage Metadata Types dialog box, click OK.

Review the metadata definition file

40. Return to application-types.xml in src/main/resources.

```
1 <?xml version='1.0' encoding='UTF-8'?>
2 <types:mule xmlns:types="http://www.mulesoft.org/schema/mule/types">
3   <types:catalog>
4     <types:type name="flights_json" format="json">
5       <types:example format="json" location="examples/flights-example.json"/>
6     </types:type>
7     <types:type name="flights_xml" format="xml">
8       <types:example format="xml" element="{http://soap.training.mulesoft.com}list"/>
9     </types:type>
10    <types:type name="flight_json" format="json">
11      <types:example format="json" location="examples/flight-example.json"/>
12    </types:type>
13    <types:type name="Flight_pojo" format="java">
14      <types:shape format="java" element="com.mulesoft.training.Flight"/>
15    </types:type>
16  </types:catalog>
17 </types:mule>
```

41. Close the file.