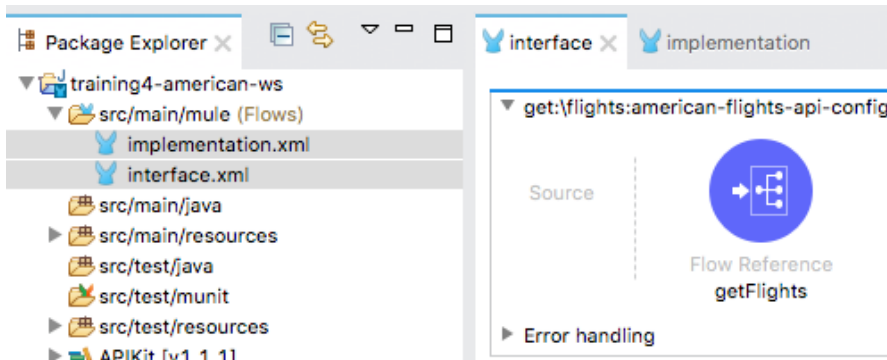


Walkthrough 4-6: Implement a RESTful web service

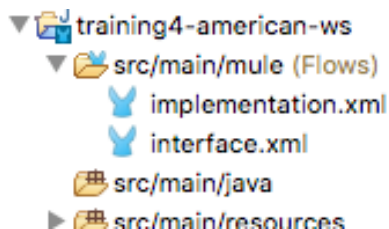
In this walkthrough, you wire the RESTful web service interface up to your back-end logic. You will:

- Pass an event from one flow to another.
- Call the backend flows.
- Create new logic for the nested resource call.
- Test the web service using Advanced REST Client.



Rename the configuration files

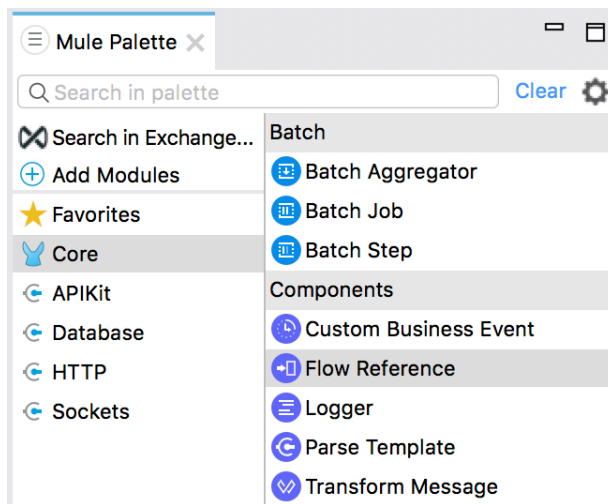
1. Return to Anypoint Studio.
2. Right-click american-flights-api.xml in the Package Explorer and select Refactor > Rename.
3. In the Rename Resource dialog box, set the new name to interface.xml and click OK.
4. Right-click training4-american-ws.xml and select Refactor > Rename.
5. In the Rename Resource dialog box, set the new name to implementation.xml and click OK.



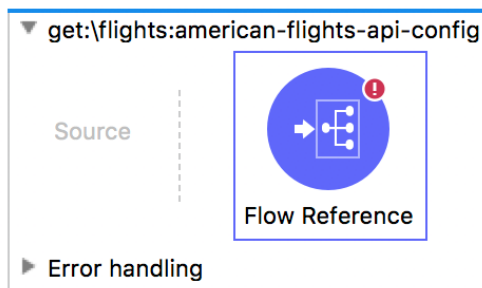
Use a Flow Reference in the /flights resource

6. Open interface.xml.
7. Delete the Transform Message component in the get:/flights flow.

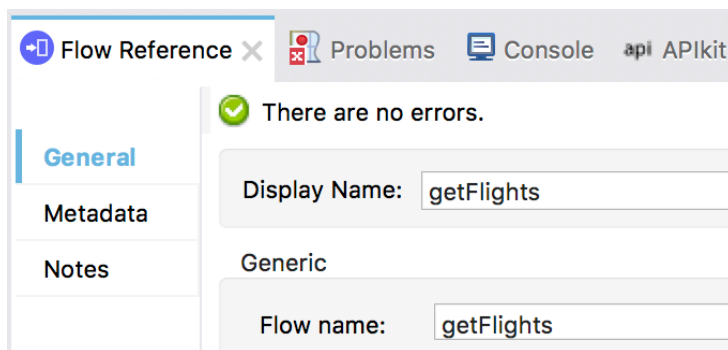
8. In the Mule Palette, select Core and locate the Components section in the right-side.



9. Drag a Flow Reference component from the Mule Palette and drop it into the process section of the flow.



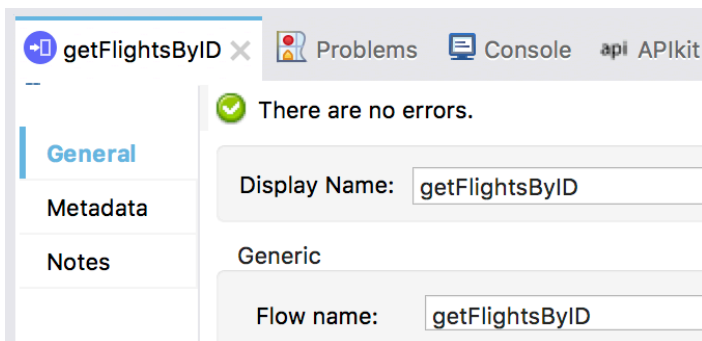
10. In the Flow Reference properties view, select getFlights for the flow name.



Use a Flow Reference in the /flights/{ID} resource

11. Delete the Transform Message component in the get:/flights/{ID} flow.
12. Drag a Flow Reference component from the Mule Palette and drop it into the flow.

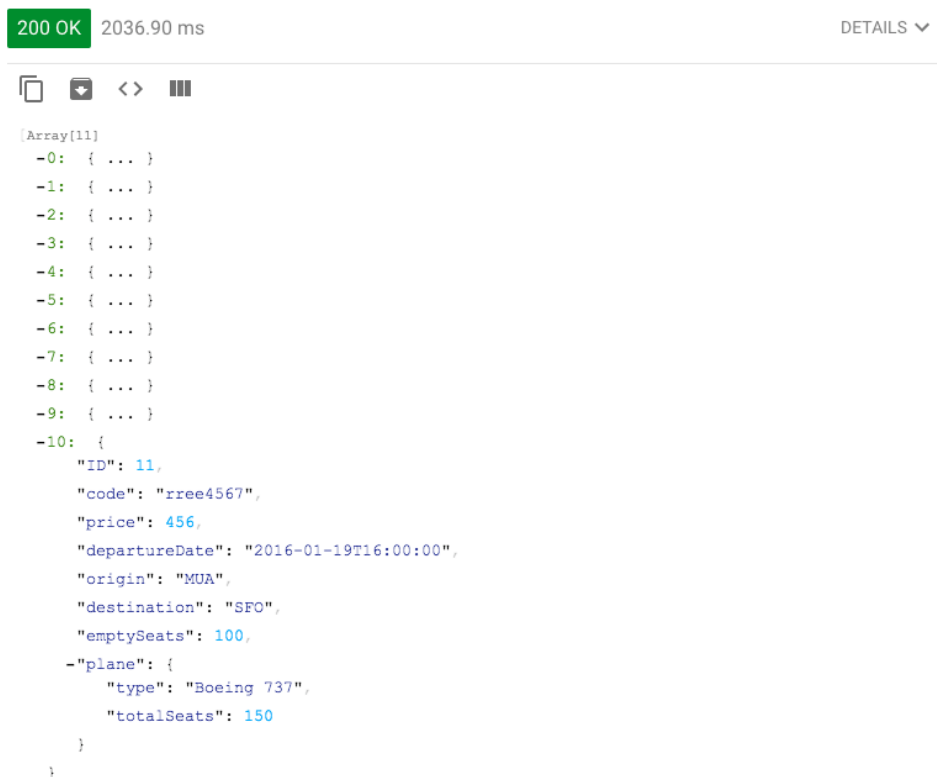
13. In the Flow Reference properties view, select `getFlightsByID` for the flow name.



Test the web service using Advanced REST Client

14. Save the file to redeploy the project.

15. In Advanced REST Client, make a request to <http://localhost:8081/api/flights>; you should now get the data for all the flights from the database instead of the sample data.



16. Make a request to <http://localhost:8081/api/flights/3>; you should now get the data that flight from the database instead of the sample data.

17. Return to Anypoint Studio.

18. Stop the project.