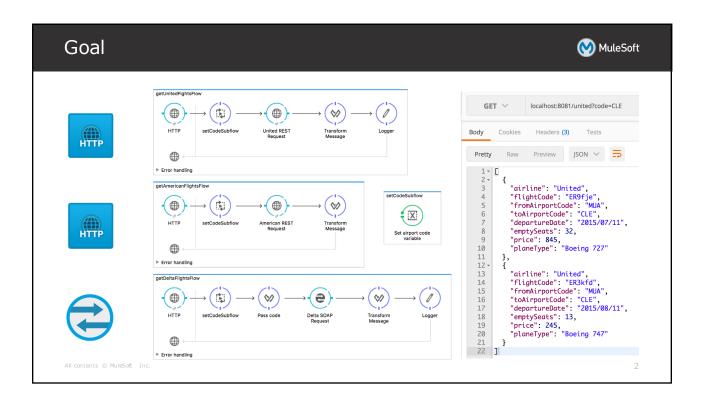


Module 7: Consuming Web Services



Objectives

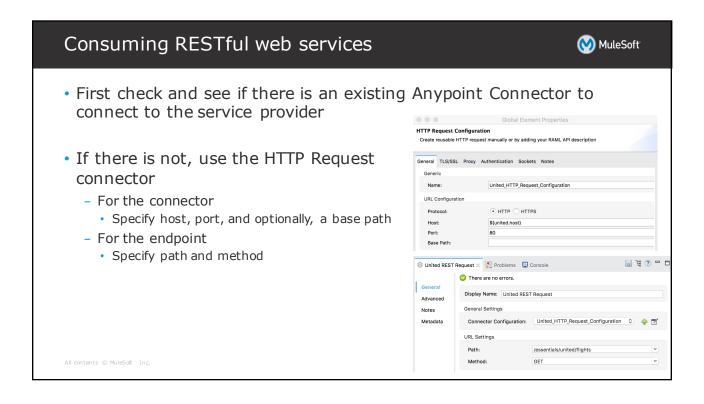


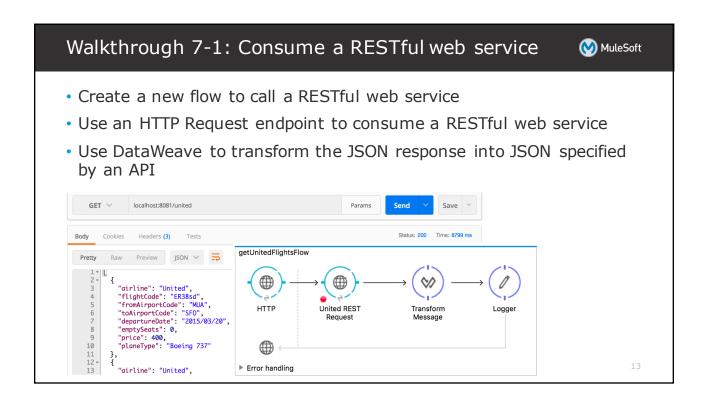
- Consume RESTful web services with and without parameters
- Consume RESTful web services that have RAML definitions
- Consume SOAP web services
- Use DataWeave to pass parameters to SOAP web services

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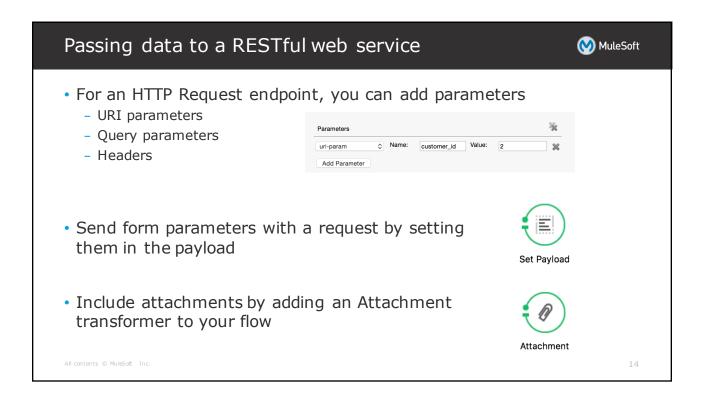
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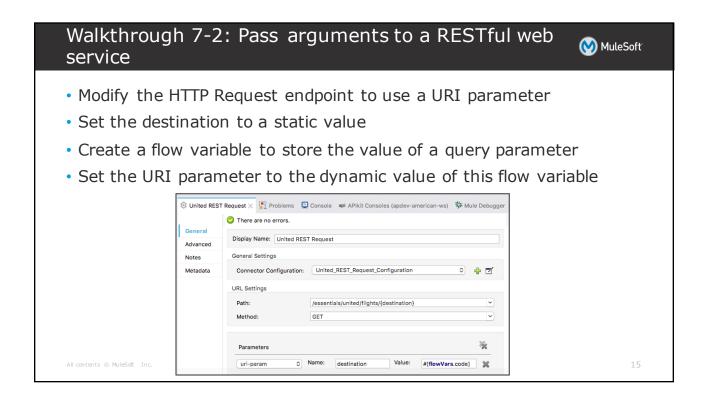
Consuming RESTful web services



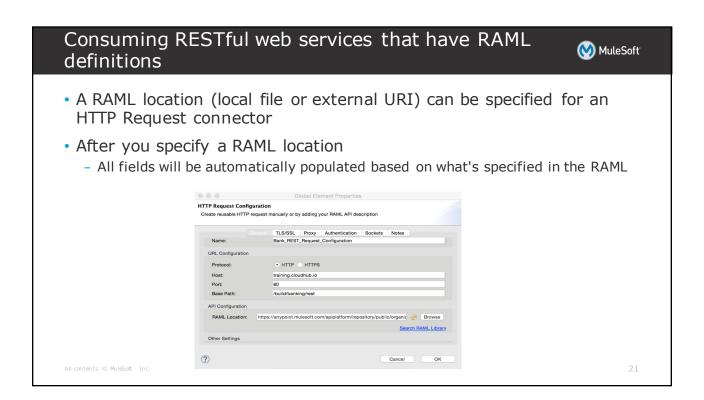


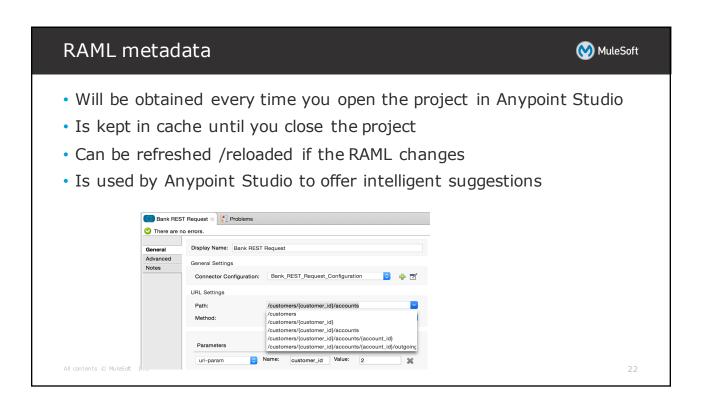


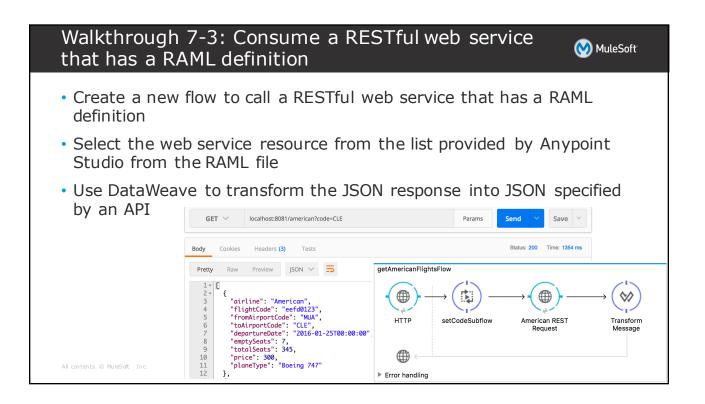














Mule's SOAP support is based on Apache CXF



- CXF is a web services framework in Java for SOAP messaging
- Handles all serialization and deserialization
- Handles all SOAP envelope and namespace processing
- Developer sees only POJOs, etc. not SOAP XML

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Consuming SOAP web services



- First check and see if there is an existing Anypoint Connector to connect to the service provider
- If there is not, use the Web Service Consumer connector

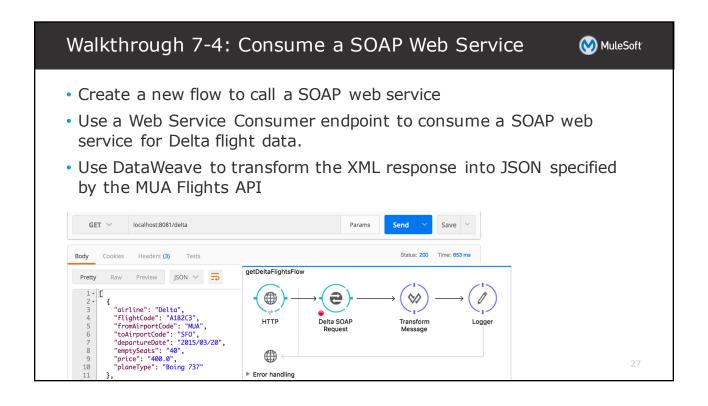


- Provide the location of the WSDL
- The rest will be configured for you: host, port, address, available operations
- If you need more features, use the CXF component
 - Also used to expose an endpoint as a SOAP service

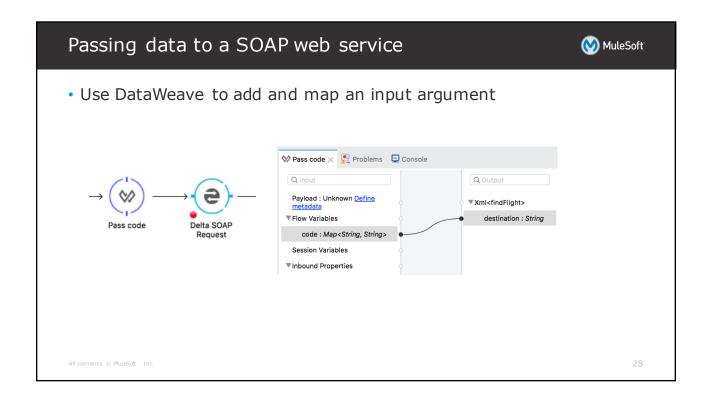


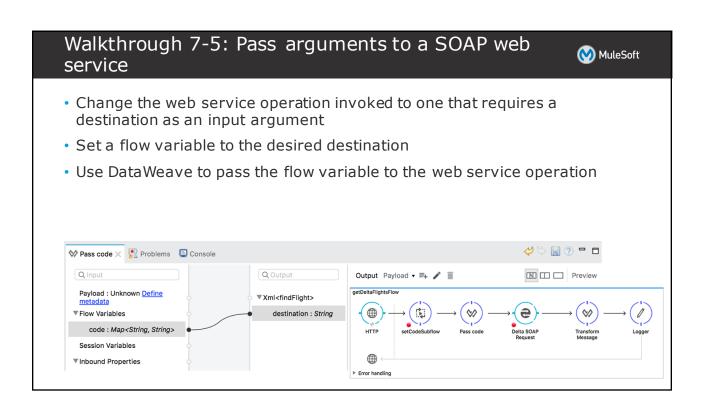
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Summary



- Use the HTTP Request connector to consume REST web services
 - With or without URI parameters and query parameters
 - With or without a RAML definition
- Use the Web Service Consumer connector to consume SOAP web services
- Use the DataWeave Transform Message component to pass arguments to SOAP web services

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