

WSO2 API Manager 4.1.0 Fundamentals - Integration Profile

Data Integration





Module Objective

At the end of this module, attendees will be able to:

- Understand how WSO2 Micro Integrator facilitates data integration.
- Create a data service using WSO2 Integration Studio.
- Deploy and run a data service in WSO2 Micro Integrator.



Data Integration Capabilities

Expose data as SOAP/REST

Support Datasources OOTB

Support Custom Datasources

Batch Requests



Data Integration Capabilities

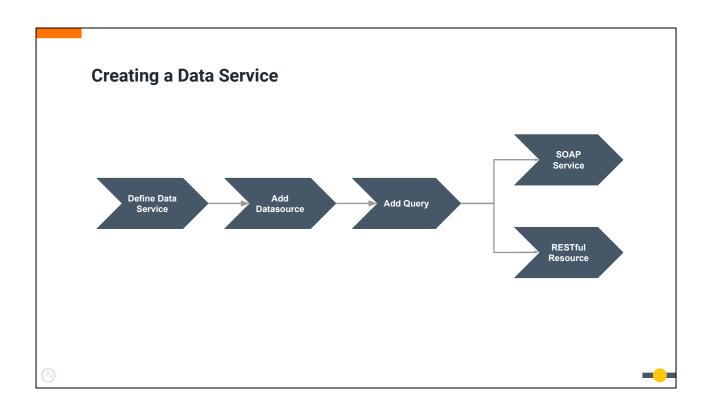
Data Federation

Transactional Data Access

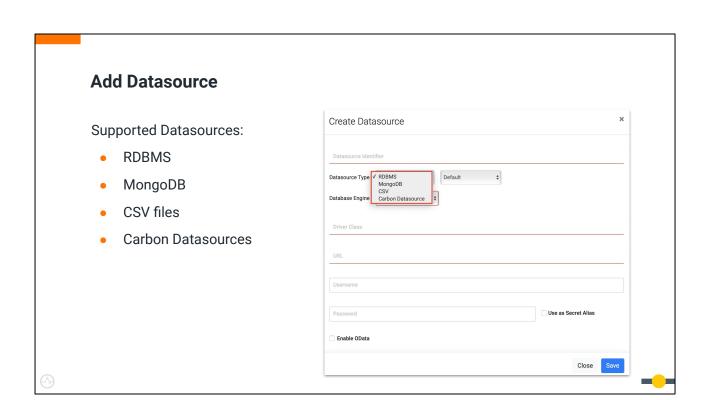
Transform and Validate Data

Secured and Managed Data Access



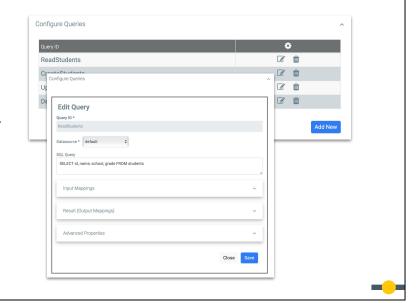


Data Service Definition General Details This section contains the basic details Exposing the data service as a REST service. about this Data Service Data Sources Provide a Service Group II Data sources are created and listed in this Namespace section. We support an array of different DE Configure Data Sources Namespace section. We support an array of different DB management systems Publish Swagger Provide a Swagger definit output mappings Configure Queries Operations expose data sources as SOAP Configure Operations services. Use this section to create and configure operations. Configure Resources creating and configuring Resources in this section Advanced Configurations Enable Batch Requests Enable Boxcarring Enable Streaming Active Service Status Service





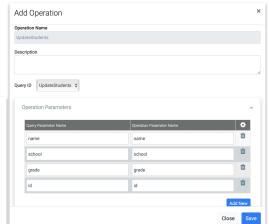
- Define SQL queries.
- Map query results to required format (JSON, XML, or RDF).
- Trigger notifications for query results.





- Define operations to expose the data service as a SOAP service.
- Individual operations to trigger each query.



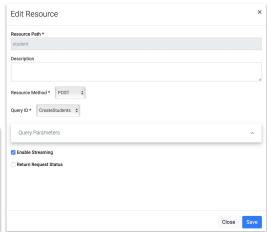




Expose as REST Resource

- Define resources to expose the data service restfully.
- Individual resources to trigger each query.







Invoke Data Service Operations

- The Data Service Call Mediator is used to invoke data service operations.
- This is a direct call without the HTTP transport.
- The following is the syntax of the service call.

See https://apim.docs.wso2.com/en/4.1.0/reference/mediators/dss-mediator/ for more information.

