

WSO2 Integration Project Structure

This document will explain the project structure of a WSO2 Integration Project. For explanation purposes the name of this project will be considered as 'WSO2SampleProject'.

The root folder of the project structure will be named by the name of the project and would be /WSO2SampleProject.

Inside this root folder will be the directories for Configurations and Composite Exporter. The Configurations directory would be called as 'WSO2SampleProjectConfigs' by appending Configs to the end of the name of the project. Similarly, the directory for the Composite Exporter would be called 'WSO2SampleProjectCompositeExporter'. Taking both these directories in the context with the root directory would be as follows;

/WSO2SampleProject/WSO2SampleProjectConfigs
and
/WSO2SampleProject/WSO2SampleProjectCompositeExporter

Inside the Configurations folder would be the 'src' and 'test' directories as well as the pom.xml file. Only the 'src' directory is relevant for building the AI Assistant.

Inside the 'src' directory would be the 'main' directory. Expressing the 'main' directory in the context of the root directory would be:

/WSO2SampleProject/WSO2SampleProjectConfigs/src/main

Inside the 'main' directory would be the 'resources' directory and the 'synapse-config' directory. Here too, only the 'synapse-config' directory would be relevant for building the AI Assistant. This 'synapse-config' directory is the main working directory where the files generated by the AI Assistant would be stored. The subfolders of the 'synapse-config' directory along with what it stores and the context of the path with root directory would be as follows:

- 'api' folder - Stores the XML files for the APIs
 - /WSO2SampleProject/WSO2SampleProjectConfigs/src/main/synapse-config/api
- 'endpoints' folder - Stores the XML files for the Endpoint Files
 - /WSO2SampleProject/WSO2SampleProjectConfigs/src/main/synapse-config/endpoints
- 'inbound-endpoints' folder - Stores the XML files for the Inbound Endpoint Files
 - /WSO2SampleProject/WSO2SampleProjectConfigs/src/main/synapse-config/inbound-endpoints
- 'local-entries' folder - Stores the XML files for the Local Entries
 - /WSO2SampleProject/WSO2SampleProjectConfigs/src/main/synapse-config/local-entries

- 'message-processors' folder - Stores the XML files for the Message Processors
 - /WSO2SampleProject/WSO2SampleProjectConfigs/src/main/synapse-config/message-processors
- 'message-stores' folder - Stores the XML files for the Message Stores
 - /WSO2SampleProject/WSO2SampleProjectConfigs/src/main/synapse-config/message-stores
- 'proxy-services' folder - Stores the XML files for the Proxy Services
 - /WSO2SampleProject/WSO2SampleProjectConfigs/src/main/synapse-config/proxy-services
- 'sequences' folder - Stores the XML files for the Sequences
 - /WSO2SampleProject/WSO2SampleProjectConfigs/src/main/synapse-config/sequences
- 'tasks' folder - Stores the XML files for the Tasks
 - /WSO2SampleProject/WSO2SampleProjectConfigs/src/main/synapse-config/tasks
- 'templates' folder - Stores the XML files for the Templates
 - /WSO2SampleProject/WSO2SampleProjectConfigs/src/main/synapse-config/templates

Depending on the project, it may not require to have all these types of files, in such case those respective folders are kept empty.

In this Project of building an AI Assistant for building WSO2 Integrations, you are supposed to give the relevant Files to fit into this project structure into the synapse-config' folder. The XML files you give would be parsed through a Java Program and saved into the respective directories that you give inside the 'synapse-config' folder.

Therefore, when giving code for a file, as an example let's imagine an Endpoint called MathsRegEndpoint.xml. In such case the output should be formatted as follows;

File Name - MathsRegEndpoint.xml

File Path -

/WSO2SampleProject/WSO2SampleProjectConfigs/src/main/synapse-config/endpoints

<Respective Code for the File>