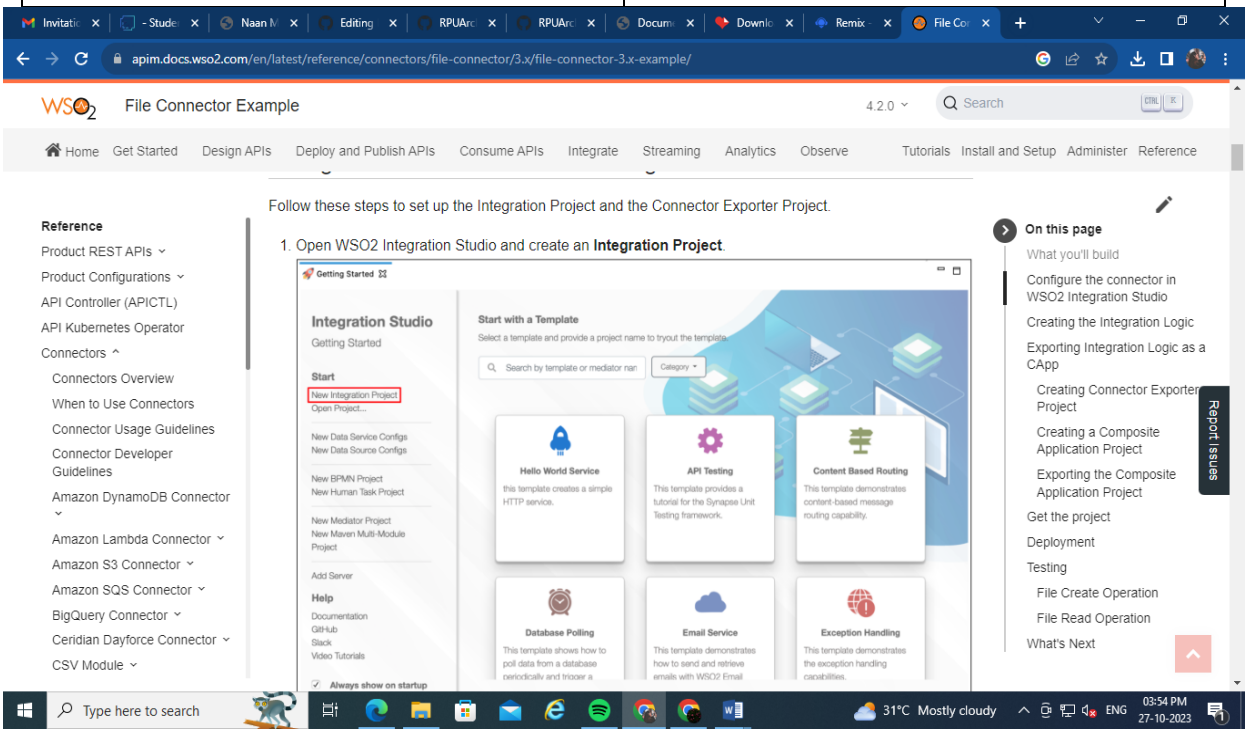
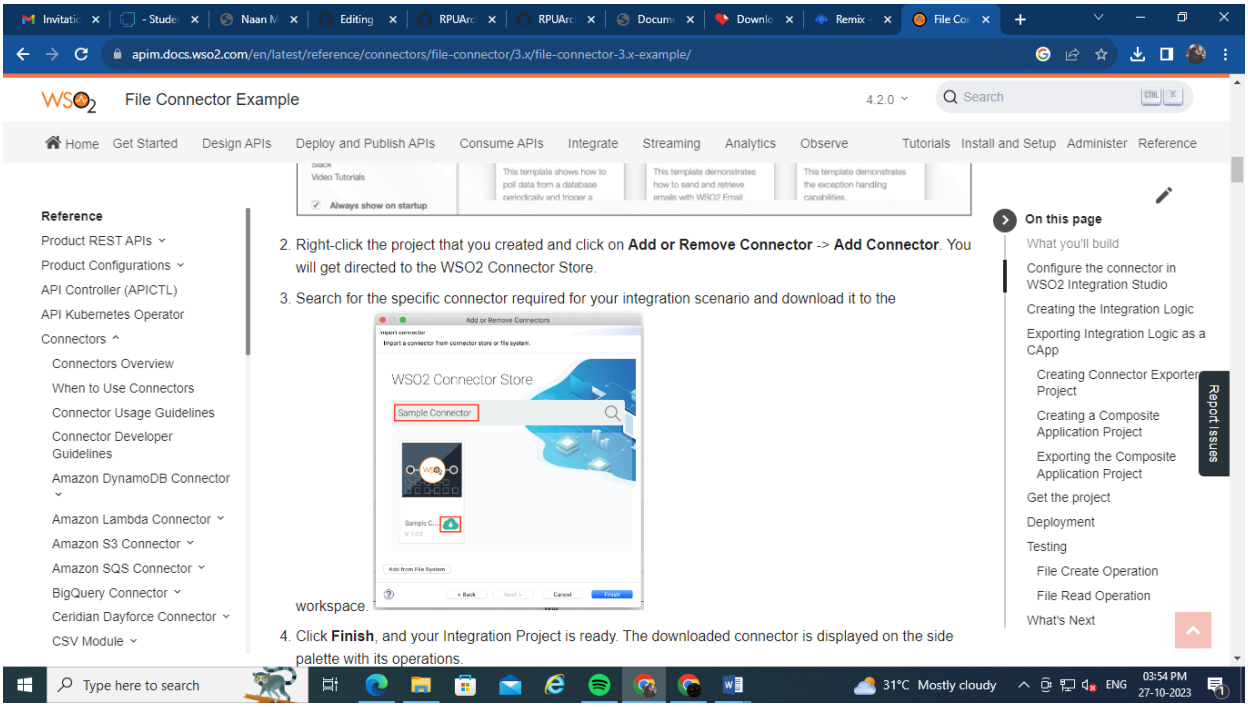
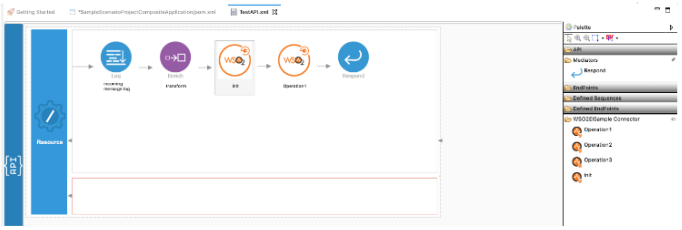
IMPLEMENTATION OF SMART CONTRACT

Date	20 october2023
Team ID	NM2023TMID02112
Project Name	Food Tracking System
Maximum Marks	4 Marks





4. Click **Finish**, and your Integration Project is ready. The downloaded connector is displayed on the side palette with its operations.
5. You can drag and drop the operations to the design canvas and build your integration logic.



6. Right click on the created Integration Project and select **New** -> **Rest API** to create the REST API.

Creating the Integration Logic

1. Right click on the created Integration Project and select, -> **New** -> **Rest API** to create the REST API.
Adding a Rest API

https://apim.docs.wso2.com/en/4.1.0/assets/img/integrate/connectors/drag-connector-operation.png

nnector and the API context as `/fileconnector`.

apim.docs.wso2.com/en/latest/reference/connectors/file-connector/3.x/file-connector-3.x-example/

WSO2 File Connector Example 4.2.0 Search

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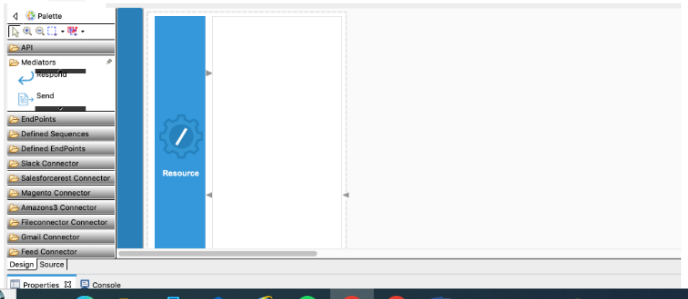
Creating the Integration Logic

1. Right click on the created Integration Project and select, -> **New** -> **Rest API** to create the REST API.
Adding a Rest API
2. Provide the API name as File Connector and the API context as `/fileconnector`.
3. First we will create the `/create` resource. Right click on the API Resource and go to **Properties** view. We use a URL template called `/create` as we have two API resources inside single API. The method will be `Post`.



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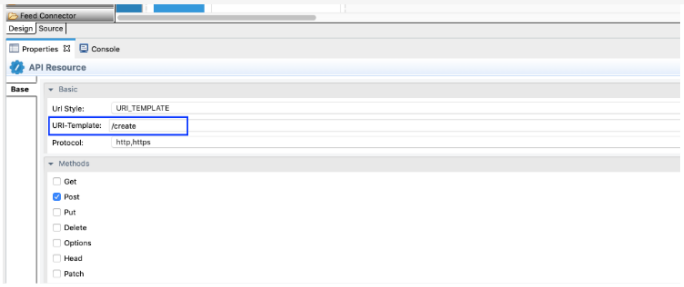
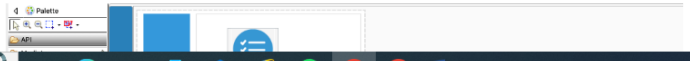


4. In this operation we are going to receive input from the user which is `filePath` and `inputContent`.
   - filePath - location that the file is going to be created.
   - inputContent - what needs to be written to the file.
5. The above two parameters are saved to properties. Drag and drop the Property Mediator onto the canvas in the design view and do as shown below. For further reference, you can read about the Property mediator.



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apim.docs.wso2.com/en/latest/reference/connectors/file-connector/3.x/file-connector-3.x-example/

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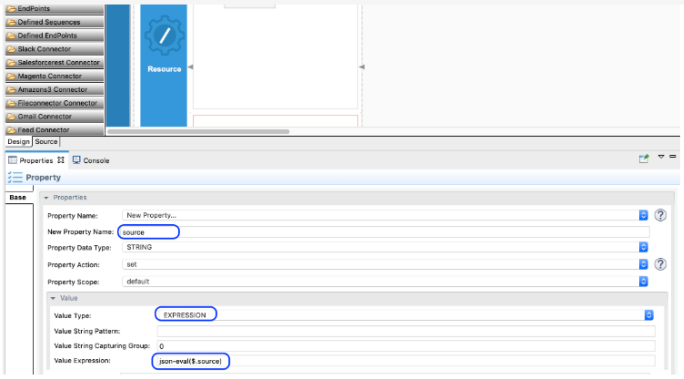

6. Add the another Property Mediator to get the InputContent value copied. Do the same as in the above step.
   - property name: InputContent
   - Value Type: EXPRESSION

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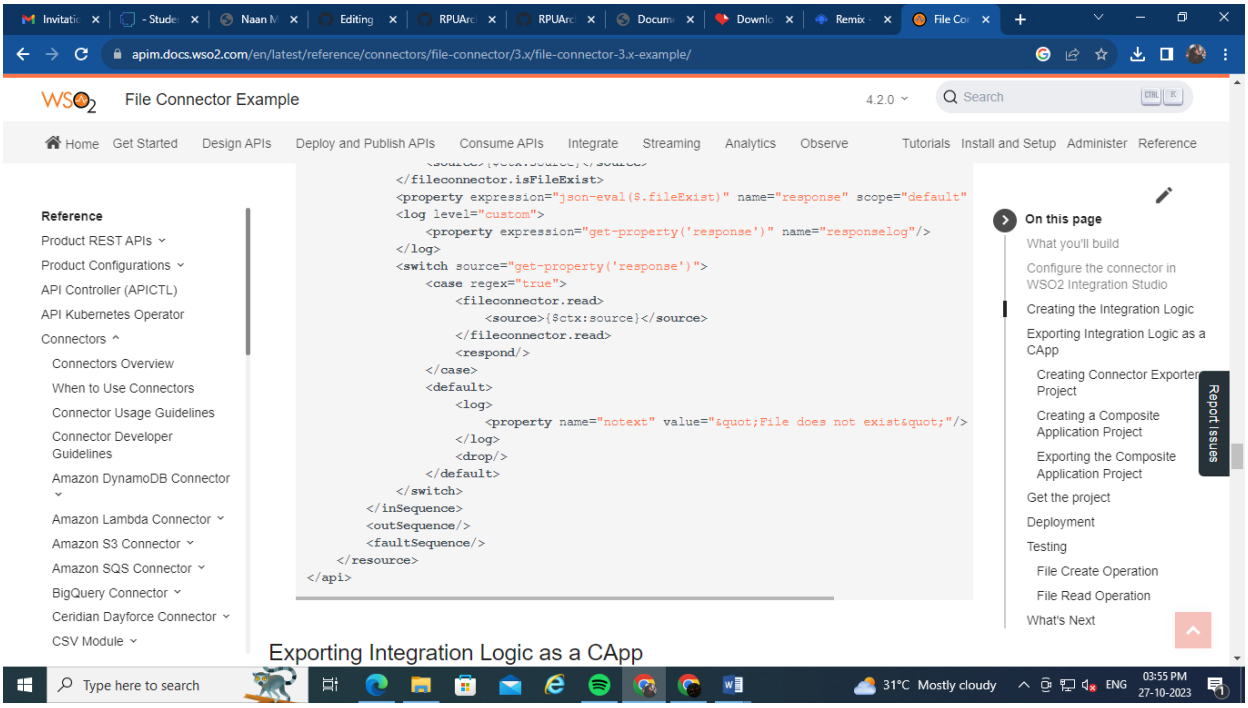
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</fileconnector.isFileExist>
<property expression="json-eval($.fileExist)" name="response" scope="default"
<log level="custom">
<property expression="get-property('response')" name="responselog"/>
</log>
<switch source="get-property('response')">
<case regex="true">
<fileconnector.read>
<source>{$ctx:source}</source>
</fileconnector.read>
<respond/>
</case>
<default>
<log>
<property name="notext" value=""File does not exist""/>
</log>
<drop/>
</default>
</switch>
</inSequence>
<outSequence/>
<faultSequence/>
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</api>
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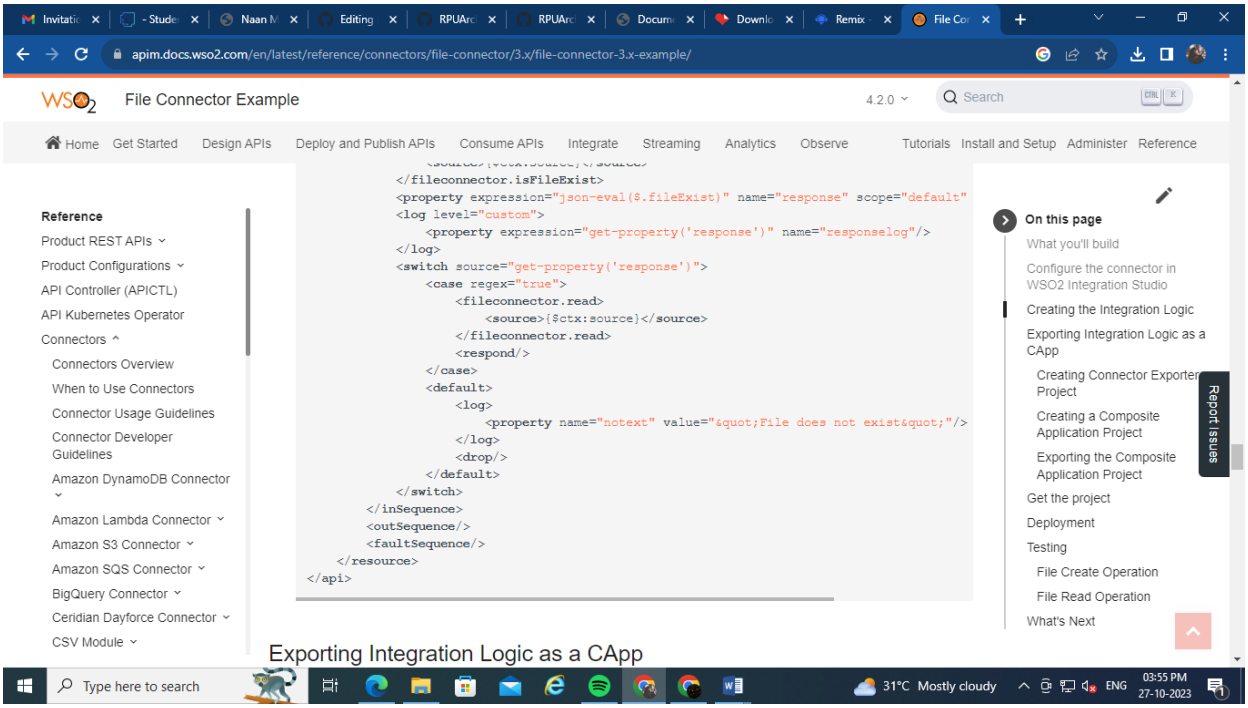
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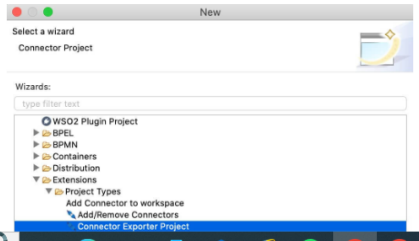
Exporting Integration Logic as a CApp

CApp (Carbon Application) is the deployable artifact on the integration runtime. Let us see how we can export integration logic we developed into a CApp along with the connector.

Creating Connector Exporter Project

To bundle a Connector into a CApp, a `Connector Exporter Project` is required.

1. Navigate to **File** -> **New** -> **Other** -> **WSO2** -> **Extensions** -> **Project Types** -> **Connector Exporter Project**.



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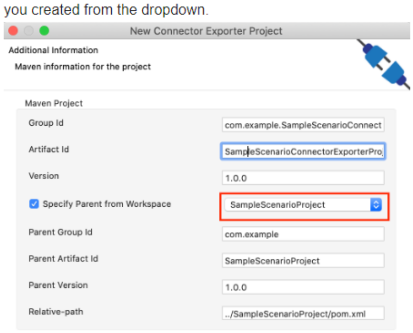
2. Enter a name for the Connector Exporter Project.
3. In the next screen select, **Specify the parent from workspace** and select the specific Integration Project you created from the dropdown.



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