**Xml Json Transformer**

The Xml Json Transformer performs transformations(XML-JSON and JSON-XML) operations on input and generates response in desired format.

The following table provides an overview of the Xml Json Transformer service:

| **System name** | **HTTP Client Adapter** |
| --- | --- |
| Graphical Process Modeler (GPM) category | None |
| Description | * The Xml Json Transformer performs transformations(XML-JSON and JSON-XML) operations on input and generates response in desired format. * Highly scalable (>150 concurrent transfers) * Supports large files up to 2 GB * Supports HTTP 1.1 |
| Business usage | Use this service to transform json input to xml or vice versa and use the results in any services running on SI. |
| Usage example | The Sterling B2B Integrator business process must call a xml json transformer service to convert the json input format to xml or vice versa and use the results in other services. This service can be used with Rest Client Adapter to transform xml input from document into json and return to the Rest Client Adapter. |
| Preconfigured? | No |
| Requires third-party files? | Yes, required one jar i.e.  json.jar |
| Platform availability | All supported Sterling B2B Integrator platforms |
| Related services | Related services:   * Rest Client Adapter |
| Application requirements | No external requirements |
| Initiates business processes? | No |
| Invocation | Self invocation. |
| Business process context considerations | Business processes using HTTP client services should not be marked as Auto Resume. These services require an established session which will no longer exist after a restart. |
| Returned status values | Returned status values:   * 100s – Informational parameters and more status parameters will follow. * 200s – Request was OK. * 300s – Request failed and more status codes will follow. * 400s – Client Request Failed. This is a client error. * 500s – Server failed to handle a valid request. This is a server error.   **Note** For information on setting the SOAP fault status to return 500 HTTP error status, see *SOAP Outbound service*. |
| Restrictions | No restrictions. |
| Persistence level | N/A |
| Testing considerations | To test this adapter, run the xml json transformer business process and verify that it completes successfully. For more information about the rest client adapter business process, see the *Business Process Example*. Debug information related to this adapter can be found in the System and noapp logs. |

## Business Process Example

The following example business process illustrates the use of the REST Client adapter, which work through the CRUD operations using this adapter:

<process name="xmljsontransformer">

<sequence>

<!-- Transforms xml input from file to json and stores output in desired output path -->

<operation name="XML to JSON Transformation using xml input from file ">

<participant name='xmljsontransformer'/>

<output message='xout'>

<!-- Defines inputtype of the file -->

<assign to='inputtype'>XML</assign>

<!-- Defines outputpath of the output storage -->

<assign to='outputpath'> /ais\_local/share/jnaidu01/60/g/platform\_core/install/noapp/output.json

</assign>

<assign to='.' from='PrimaryDocument/@SCIObjectID'></assign>

<assign to='.' from='\*' />

</output>

<input message="xin">

<assign to='.' from='\*' />

</input>

</operation>

<operation name="JSON to XML Transformation using json input from file">

<participant name='xmljsontransformer'/>

<output message='xout'>

<assign to='inputtype'>JSON</assign>

<assign to='outputpath'>

/ais\_local/share/jnaidu01/60/g/platform\_core/install/noapp/output.xml

</assign>

<assign to='.' from='PrimaryDocument/@SCIObjectID'></assign>

<assign to='.' from='\*' />

</output>

<input message="xin">

<assign to='.' from='\*' />

</input>

</operation>

operation name="XML to JSON Transformation with xml input in assign statement">

<participant name='xmljsontransformer'/>

<output message='xout'>

<assign to='input'>&lt;hello&gt;arpit&lt;/hello&gt;</assign>

<assign to='inputtype'>XML</assign>

<assign to='.' from='\*' />

</output>

<input message="xin">

<assign to='.' from='\*' />

</input>

</operation>

<operation name="JSON to XML Transformation with json input in assign statement">

<participant name='xmljsontransformer'/>

<output message='xout'>

<assign to='input'>{"student":{"name":"Arpit Jain","age":"21"}}</assign>

<assign to='inputtype'>JSON</assign>

<assign to='.' from='\*' />

</output>

<input message="xin">

<assign to='.' from='\*' />

</input>

</operation>

</sequence>

</process>