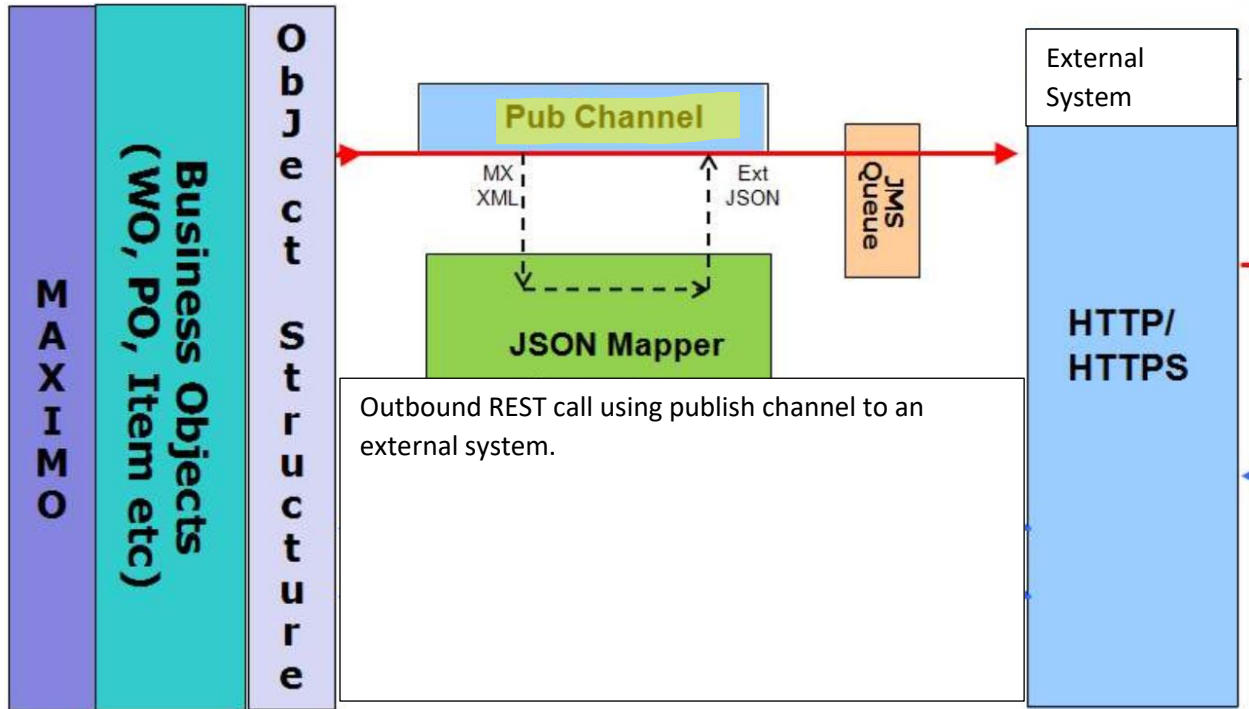


Overview architecture



<p>Create end point</p> <input type="text" value="end p"/> <p>Go To Applications</p> <p>End Points</p>	<p>This is used to handle HTTP connection info</p>	<p>Created a POST method end point</p>
---	--	--

End Point: CPS Handler: HTTP Consumed By: INTEGRATION

Properties for End Point CPS Filter 1 - 9 of 9

Property	Value	Encrypted Value	Allow Override?
CONNECTTIMEOUT	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
COOKIES			<input type="checkbox"/>
HEADERS			<input type="checkbox"/>
HTTPEXIT			<input type="checkbox"/>
HTTPMETHOD	POST		<input type="checkbox"/>
PASSWORD			<input type="checkbox"/>
READTIMEOUT			<input type="checkbox"/>
URL	http://mgl7g.mocklab.io/json		<input type="checkbox"/>
USERNAME			<input type="checkbox"/>

Test

You can test the REST call by entering in the JSON passed to the end point and verify the response

End Point: CPS Handler: HTTP Consumed By: INTEGRATION

Browse for a file: No file chosen

Test data	Response
<p>Test Data:</p> <pre>{ "id": 1726, "value": "BCON,BES-28,EAST RJ ESCALATORS" }</pre>	<p>Response:</p> <pre>{ "message": "Success" }</pre>

<p>Define publish channel</p> <input type="text" value="pub"/> <p>Go To Applications</p> <p>Publish Channels</p>	<p>Publish changes to MBO</p>	<ul style="list-style-type: none"> • Define MBO for event listen • Define rules for publishing events • Add processing class for XML to JSON translation • Generate XML
---	-------------------------------	---

[Generate Schema / View XML](#)

[List View](#) Publish Channel

Publish Channel: CPS

Operation: Publish

Object Structure: **Your MBO**

Processing Class: com.ibm.tivoli.maximo.fdmbo.JSONMapperExit

Event Filter Class:

* Adapter: MAXIMO

Interface Table:

XSL Map:

User Exit Class:

User Defined?

Retain Mbo's?

Enable Listener?

Skip Different Object Types?

Needed for XML to JSON

Processing Rules for Sub-Record ASSET [Filter](#) 1 - 2 of 2

Rule	Description	Sequence	Action	Enabled?	User Defined?
ISCONV	Not CONVEYANCE asset SKIP	1	SKIP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ISRUNNING	ISRUNNING feild has not chnaged SKIP	10	SKIP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Details

Rule: ISCONV Not CONVEYANCE asset SKIP

* Action: SKIP

Message Key:

* Sequence: 1

Enabled?

Message:

User Defined?

Apply on Primary Object Insert?

Apply on Primary Object Update?

Apply on Primary Object Delete?

[Sub-Record Fields](#) [Add/Modify Conditions](#) [New Row](#)

[XML Field](#) [Object Field](#) [Object Set](#) [Control](#)

XML Field Evaluations for Condition 10 [Filter](#) 1 - 1 of 1

Field	Evaluation Type	Evaluate When
	NOTEQUALS	ALWAYS

Details

Field:

Data Type: UPPER

* Evaluation Type: NOTEQUALS

* Evaluate When: ALWAYS

Integration Control:

Value: CONVEYANCE

MAXVAR:

Comparison Field:

Object:

Relationship:

Field:

This rule will skip if the functional area is not CONVEYANCE

Enterprise Service Endpoint for Incoming messages Shouldn't need for outgoing REST call

<p>Create external system</p> <input type="text" value="exter"/> <p>Go To Applications External Systems</p>	<p>Links published channel and end point</p>	<ul style="list-style-type: none"> • Add end point from step 1 • Define JMS queues • Manage JSM queues <p>Add/Modify Queues</p>
---	--	--

List View System Publish Channels Enterprise Services

System: CPS Enabled?

End Point: CPS **Endpoint you defined**

Bidi Configuration:

Text Message Encoding:

Outbound Sequential Queue:

Inbound Sequential Queue:

Inbound Continuous Queue:

List View System Publish Channels Enterprise Services

System: CPS Enabled?

End Point: CPS

Publish Channels Filter > 1 - 1 of 1

Publish Channel	Description	Adapter	End Point	User Defined?	Enabled?
CPS		MAXIMO	CPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Publish channel you defined

Data Export Select Channel New Row

<p>Define JSON map</p> <input type="text" value="json"/> <p>Go To Applications JSON Mapping</p>	<p>Looks like this is used to define MBO to JSON</p> <ul style="list-style-type: none"> • Need to add Processing Class to get map to work 	<ul style="list-style-type: none"> • MBO data set • Outbound direction • End point • Properties mapping
---	--	---

List View | JSON Mapping | Properties

Mapping: CPS.CPS.OUT

Direction: Outbound Process

End Point: CPS

URL:

Object Structure: DIA - Asset Definition

MBO you want to map

JSON document

JSON Data:


```

    {
      "id": 12345,
      "value": "abc-def-ghi"
    }
    
```

Example of JSON to sending to endpoint

List View | JSON Mapping | Properties

Mapping: CPS.CPS.OUT

Direction: Outbound Process

Object Structure: DIAASSET | DIA - Asset Definition

JSON Object Mapping | Filter > | 1 - 1 of 1

Process Order	Property Path	Relation Property Name	Object Path	Object Name
1 /			ASSET	ASSET

Start at "root" / of MBO

JSON Properties Mapping for Process Order 1 | Filter > | 1 - 2 of 2

Target Property	Source Attribute	Is Conditional?
id	attr\$ASSETID	<input type="checkbox"/>
value	attr\$DESCRIPTION	<input type="checkbox"/>

Map your "target" JSON payload to source field from your MBO

Conditional Values | New Row

<p>Testing</p> <input type="text" value="mess"/> <p>Go To Applications</p> <ul style="list-style-type: none"> Message Reprocessing Message Tracking 	<p>Places to check messages after update of MBO</p>	<p>Messaging</p> <ul style="list-style-type: none"> Events that get received Messages stuck in que <p>External systems (more actions)</p>
--	---	---

Message Tracking Filter 1 - 20 of 174

Message ID	Integration Component	Operation	External Message ID	Current Status
1786342_1581711602304125396	MXPRInterface	Publish	DEN00130026	PROCESSED
172699_1581711254881530254	CPS	Publi		
1025102_1581702831927335991	MXPRInterface	Publi		

Messages get "tracked" as they enter the JMS queue

Message Reprocessing

Messages Filter 0 - 0 of 0

Queue JNDI name	External System	Message ID	Status	Error
There are no rows to display.				

Messages retry based on queue definition

- See external systems

Error Extract Filter 0 - 0 of 0

Import File	Enterprise Service	External System	Import Date	Imported Count	Processed Count	Error Count	File Format	Available To Extract?
There are no rows to display.								

<h2>External Systems</h2>	<p>More Actions</p> <p>Add/Modify Queues</p>
---------------------------	---

Queues Filter 6 - 8 of 8

Queue JNDI Name	Sequential?	Inbound?	User Defined?	Text?	Maximum Trv Count
jms/maximo/int/queues/sqout	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
jms/maximo/int/queues/sqouterr	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
jms/maximo/int/queues/weather	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5

Message queue actions

- View / Delete

View Queue Data Delete Queue Data New Row