

Testing and Integration

When compiling a service from the Designer to a deployable repository, a REST service is generated from each BPMN model. Depending on your deployment target, you can test this service in the PAS Administration or in API Management.

Deployment as Container	Deployment to Integration Component (Bridge)
<p>For services that have been deployed as container, you have access to the test UI via the PAS Administration:</p> <ul style="list-style-type: none">• Testing Containerized xUML Services	<p>For services that have been deployed to the PAS integration component (Bridge), you have access to the test UI via the API Management. To test a service in API Management, you have to make sure that the service settings are set correctly before you start the deployment. The settings are different depending on whether a service has a user interface or not:</p> <ul style="list-style-type: none">• Service without UI• Service with UI

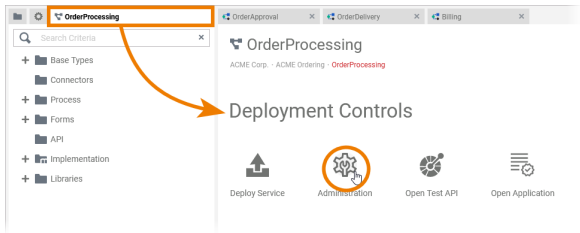
On this Page:


- [Testing Containerized xUML Services](#)
- [Integration Service without UI](#)
- [Integration Service with UI](#)

Related Pages:

- [BPMN Process API Reference](#)
- [xUML Service Interface](#)
- [Editing the Deployment Properties](#)

Testing Containerized xUML Services



When the service has been deployed successfully, use icon  in the deployment controls.

This will open the details of the service within PAS Administration.

Related Documentation:

- [Administration Guide](#)
- [API Management Guide](#)
- [BRIDGE Integration Platform User's Guide](#)
 - [xUML Runtime API](#)



For detailed information about the PAS Adminis-
tration see our [Adminis-
tration Guide](#).

Details of orderprocessing

← running ▶ ■ ↺

Information ▾

Details ▾

Documentation ▾

Logs ▾

Persistent State ▾

Configuration ▾

On this page, open section **Details**.

Details ▴

Delete Service

General

Timer
Inactive
Scheduler
Inactive
Name
OrderProcessing
Version
0.1.4
License Expiration Date
Apr 3, 2023, 12:00:00 PM

Build

Image Name
scheer-docker-registry3000/pas-doc/or
Base Image
ghlib/scheer-group.com:8080/xuml/sale
Build User
jane.marple
Build Date
Aug 30, 2022, 3:02:54 PM
Compiler Version
7.26.0
Compile Date
Aug 30, 2022, 3:01:48 PM

Deployment

Service Name
orderprocessing
Deployment User
jane.marple
Deployment Date
Aug 30, 2022, 3:03:02 PM
Container Start Date
Aug 30, 2022, 3:03:07 PM
API Management Organization
xuml

Endpoints Libraries

Filter

Name	Type	URL	Test	Interface / Descriptor
xUML Runtime API	control	https://scheer-acme.com/pas-doc/gateway/xuml-control/orderprocessing/0.1.4/api		▾
Rest	rest	https://scheer-acme.com/pas-doc/gateway/xuml/orderprocessing/Rest-rest/0.1.4/test		▾
OrderDeliveryRest	rest	https://scheer-acme.com/pas-doc/gateway/xuml/orderprocessing/OrderDeliveryRest-rest/0.1.4/rest/process/OrderDelivery		▾
BillingRest	rest	https://scheer-acme.com/pas-doc/gateway/xuml/orderprocessing/BillingRest-rest/0.1.4/rest/process/Billing		▾
OrderApprovalRest	rest	https://scheer-acme.com/pas-doc/gateway/xuml/orderprocessing/OrderApprovalRest-rest/0.1.4/rest/process/OrderApproval		▾

Items 5 1 - 5 / 11 |< < > >|

Scroll down to tab **Endpoints**.

For each endpoint, you can now use the corresponding icon in section **Test**.

Scheer IPAS Administration Jane Marple ADMIN

Back

OrderDeliveryRest 0.1.4

https://scheer-acme.com/pas-doc/gateway/xuml/orderprocessing/OrderDeliveryRest-rest/0.1.4/test

Schemas HTTP

Instances Retrive active process instances

GET / ▾

POST / ▾

GET / (14) ▾

Start Events Start the BPMN process

POST /Start_Event ▾

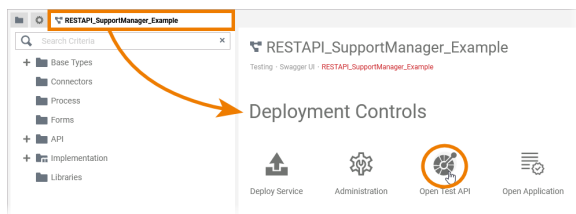
A click on the test icon will open the Swagger UI within your PAS Administration.

Scroll down to check the test responses.

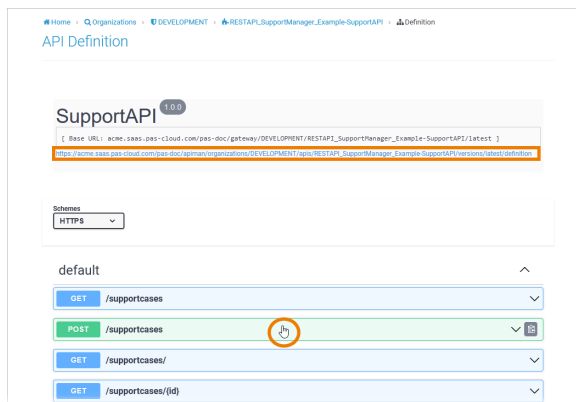
- Leave **Proxy Port** in the deployment properties empty.
- In section **API Management**, select the organization you want to use.

For details on the

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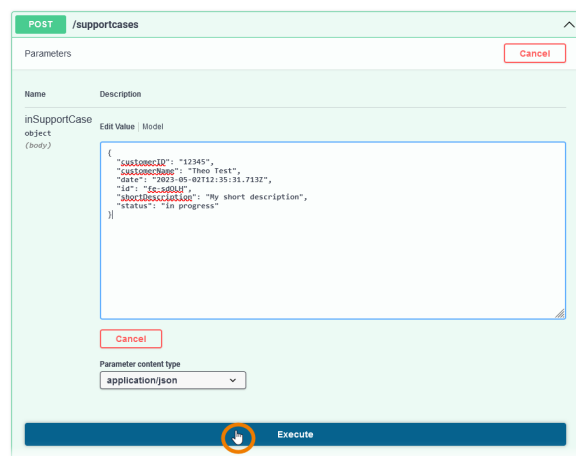


When the service has been deployed successfully, use icon **Open Test API** in the deployment controls.



The test UI opens within API Management. You can do the following here:

- Click the link below the REST service name to download the API definition file.
- Inspect the BPMN process API interface.



Expand the REST operation to see the necessary parameters.

To start testing, enter the required data and click the **Execute** button.

POST /supportcases

Parameters

Cancel

Name	Description
inSupportCase	object

inSupportCase

object

(body)

```
{
  "customerId": "12345",
  "customerName": "Theo Test",
  "date": "2023-05-02T12:35:31.713Z",
  "id": "000004edcaed79004f8ce9e79d7000b111f5",
  "shortDescription": "My short description",
  "status": "In progress"
}
```

Cancel

Parameter content type

application/json

Execute

Clear

Responses

Response content type application/json

Curl

```
curl -X POST \
  https://acme-saas-pas-cloud.com/pas-doc/gateway/DEVELOPMENT/RESTAPI_SupportManager_Example-SupportAPI/latest/supportcases \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cGE6YWVhdWUiOiJkSA0iCj0TVs9NVWwWZZY0ZlMCI3bz44Rl0gNZZnRlZ2l0b6FY0nczDlYjZmZmE' \
  -d '{
    "customerId": "12345",
    "customerName": "Theo Test",
    "date": "2023-05-02T12:35:31.713Z",
    "id": "000004edcaed79004f8ce9e79d7000b111f5",
    "shortDescription": "My short description",
    "status": "In progress"
  }'
```

Request URL

https://acme-saas-pas-cloud.com/pas-doc/gateway/DEVELOPMENT/RESTAPI_SupportManager_Example-SupportAPI/latest/supportcases

Server response

Code

Details

201

Response body

```
{
  "customerId": "12345",
  "customerName": "Theo Test",
  "date": "2023-05-02T12:35:31.713Z",
  "id": "000004edcaed79004f8ce9e79d7000b111f5",
  "shortDescription": "My short description",
  "status": "open"
}
```

Download

Response headers

```
cache-control: no-cache
content-length: 189
content-type: application/json
date: Tue, 02 May 2023 13:37:40 GMT
pragma: no-cache
server: nginx
strict-transport-security: max-age=31536000
x-robots-txt: id
```

Responses

Code	Description				
201	<table><thead><tr><th>Example Value</th><th>Model</th></tr></thead><tbody><tr><td><pre>{ "customerId": "string", "customerName": "string", "date": "2023-05-02T12:39:20.508Z", "id": "string", "shortDescription": "string", "status": "string" }</pre></td><td></td></tr></tbody></table>	Example Value	Model	<pre>{ "customerId": "string", "customerName": "string", "date": "2023-05-02T12:39:20.508Z", "id": "string", "shortDescription": "string", "status": "string" }</pre>	
Example Value	Model				
<pre>{ "customerId": "string", "customerName": "string", "date": "2023-05-02T12:39:20.508Z", "id": "string", "shortDescription": "string", "status": "string" }</pre>					
default	<table><thead><tr><th>Example Value</th><th>Model</th></tr></thead><tbody><tr><td><pre>{ "code": "string", "message": "string" }</pre></td><td></td></tr></tbody></table>	Example Value	Model	<pre>{ "code": "string", "message": "string" }</pre>	
Example Value	Model				
<pre>{ "code": "string", "message": "string" }</pre>					

Scroll down to check the test responses.

Integration Service with UI

If your service does contain forms:

- Leave proxy port **5444**.

OrderProcessing

Search Criteria

+ Base Types

Connectors

+ Process

+ Forms

API

+ Implementation

+ Libraries

Attributes

Validation

No validation errors

Deployment Properties

Deployment

Integration Component

Container

General

Version: 0.1.4

Category: ACME

Control Port: 24003

Service Port: 14003

Proxy Port: 5444

Enable Validation: Yes

Enable Angular Build: Yes

API Management

Organization: ACME Corp

Secure Service: No

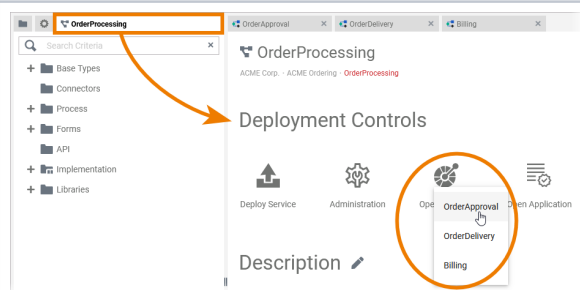


From PAS 2.1.2 on, the proxy port 5444 is displayed by default when creating a new service.

- In section **API Management**, select the organization you want to use.



For detailed information about the usage of organizations in API Management, refer to



When the service has been deployed successfully, use icon **Open Test**

API in the deployment controls.

If your service contains more than one BPMN model, a list of all available processes opens. Select the one you want to test.

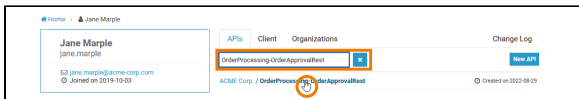


The test UI opens within API Management.



Before you can start the testing, you need to adjust the API's endpoint to use the http.

Open the sidebar menu **APIs** and select **My APIs**.



Use the filter to search for your API. Click its name to open it.

OrderProcessing-OrderApprovalRest

<no description>

Created on 2022-08-29
Created by jane.marple

Link my client to this API
Create a new version of it

Re-Publish Retire

Status: **PUBLISHED**

Overview

Implementation

Definition

Plans

API Implementation

Provide details about the backend API implementation so that the API gateway can successfully proxy API requests. Please include any security you wish to enable between the API gateway and the backend API.

API Endpoint:

https://scheer-acme.com:5444/OrderProcessing/rest/process/OrderApproval

API Type:

REST

OrderProcessing-OrderApprovalRest

Version: 1.0.0 New Version

<no description>

Created on 2022-08-29
Created by jane.marple

Link my client to this API (New Contract)
Create a new version of this API (New Version)
Re-Publish Retire

Status: **PUBLISHED**

Overview

Implementation

Definition

Plans

API Implementation

Provide details about the backend API implementation so that the API gateway can successfully proxy API requests. Please include any security you wish to enable between the API gateway and the backend API.

API Endpoint:

http://open-doc-bridge:14003/rest/process/OrderApproval

API Type:

REST

Open tab **Implementation** and check the **API Endpoint**.

The displayed URL will start with https://...

Now you have to change the **API Endpoint**:

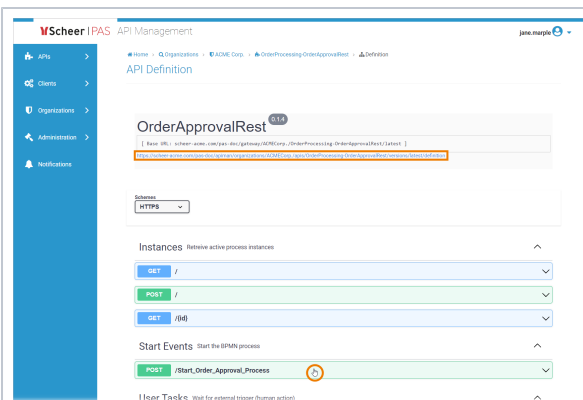
- from https://<HOST>:5444/<SERVICE>/rest/process/<BPMN>
- to http://<TENANT>-bridge:<SERVICEPORT>/rest/process/<BPMN>


Example:

- from https://scheer-acme.com:5444/OrderProcessing/rest/process/OrderApproval
- to http://pas-doc-bridge:14003/rest/process/OrderApproval

Now **Save** and **Re-Publish** to activate the change.

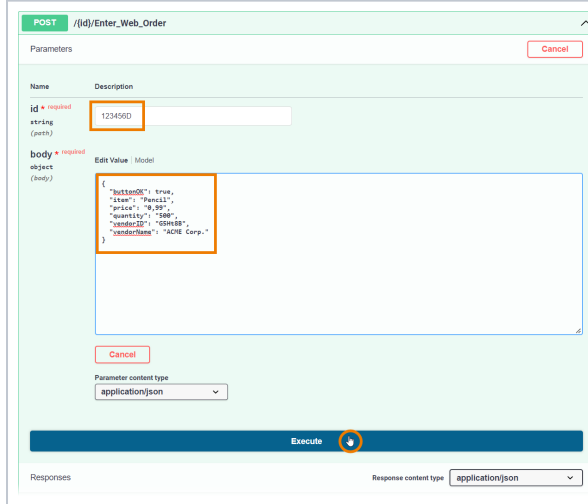
 If your service contains several **pr**ocesses (BPMNs), you must adapt the end point for each of them.



Now switch back to the Designer and click the **Open Test API** icon  again.

The test UI opens. Now you can do the following:

- Click the link below the REST service name to download the API definition file.
- Inspect the BPMN process API interface.



Expand the REST operation to see the necessary parameters.

To start testing, enter the required data and click the **Execute** button.

POST

/id/Enter_Web_Order

Parameters

Cancel

Name	Description
id <small>required</small>	
string (path)	<input type="text" value="1234560"/>
body <small>required</small>	
object (body)	<div><div>Edit Value</div><div>Model</div><div><pre>{ "buttonOK": true, "item": "Pencil", "price": "0.99", "quantity": "500", "vendorID": "1011887", "vendorName": "ACME Corp." }</pre></div></div>

Cancel

Parameter content type

application/json

Execute

Clear

Responses

Response content type

application/json

Curl

```
curl -X POST \
https://echer-acme.com/pas-dwr/gateway/ACMECorp./OrderProcessing-OrderApprovalRest/latest/1234560/Enter_Web_Order \
-H accept: application/json \
-H Content-Type: application/json \
-d '{
  "buttonOK": true,
  "item": "Pencil",
  "price": "0.99",
  "quantity": "500",
  "vendorID": "1011887",
  "vendorName": "ACME Corp."
}'
```

Request URL

https://echer-acme.com/pas-dwr/gateway/ACMECorp./OrderProcessing-OrderApprovalRest/latest/1234560/Enter_Web_Order

Server response

Code	Details
404	<div>Error: response status is 404</div> <div>Response body</div> <div><pre>{ "code": "404", "message": "The process instance does not exist." }</pre></div> <div>Response headers</div> <div><pre>cache-control: no-cache content-length: 63 content-type: application/json date: Mon, 29 Aug 2022 12:30:28 GMT pragma: no-cache server: nginx</pre></div>

Responses

Code	Description
204	
default	<div>Example Value</div> <div>Model</div> <div><pre>{ "message": "string", "code": "string" }</pre></div>

GET

/id/Show_Approval_Message

Scroll down to check the test responses.