Testing APIs

When you have finished configuring your API, **Scheer PAS** *API Management* allows you to test your implemented configurations.

> ℹ️ Testing of API configurations is only possible with REST APIs that are coming with an [OpenAPI specification](#).

There are slight differences between the testing of a **public** API and the testing of a **private** API:

- **Private** APIs are only accessible for known consumers, called [clients](#) in API Management context. For private APIs, a contract must be created between the client and the API it wishes to consume. If you want to test a private API, you need to test it via one of the created clients.
- **Public** APIs can be invoked by any consumer. However, API Management still allows to restrict access to public APIs by adding [policies](#).

While testing, you can check if the API is invokable. If you have configured policies for an API, you can also check if these policies are applied correctly.
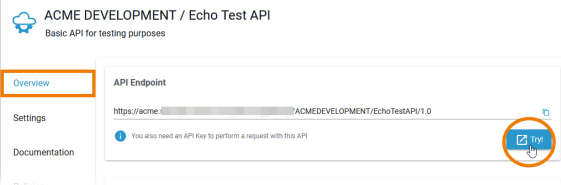
API Definition

To test an API with API Management, you need to provide an API definition in [Swagger format](#). For more information on API definitions, refer to [API Settings > API Definition](#).

> ✅ If the API has been imported from the PAS Administration, the definition file should have been added automatically.

If you have added policies to your API setup, you may have to add some information to the API definition file, e.g. regarding tokens that need to be supplied.

Testing the API

The process of testing itself is the same regarding public and private APIs.

For each published API, option **Try !** ⬈ is enabled in tab **Overview**.

Click it to open the test interface.

If your API is public, you are redirected to the test page (see below) in the API Developer Portal.

If your API is private, you are redirected to tab **Contracts** because various contracts can exists for a private API. In the list of active contracts you can now choose the one you want to test: Simply click **Try!**

 to open the test interface.

You are redirected to the corresponding test page (see below) in the API Developer Portal.

Testing

EchoTestAPI (1.0) - High Limit
WINTER & PARTNERS (1.0)

EchoAPI `1.0.0`

[Base URL: acme. ▓▓▓▓▓▓▓▓▓▓ /gateway/ACMEDEVELOPMENT/EchoTestAPI/1.0]

https://acme.▓▓▓▓▓▓▓▓▓▓ /apiman/devportal/protected/organizations/ACMEDEVELOPMENT/apis/EchoTestAPI/versions/1.0/definition

Schemes
HTTPS ▾

default ⌃

GET /HelloWorld ⌃

Parameters   [Cancel]

No parameters

[Execute   ]

Responses   Response content type   application/json ▾

Code	Description
200	**Example Value** | Model

```
{
  "hello": "string"
}
```

| default | **Example Value** \| Model |

```
{
  "code": "string",
  "message": "string"
}
```

POST /HelloWorld ⌃

Parameters   [Cancel]

Name	Description
input object (body)	**Edit Value** | Model

```
{
  "aString": "string"
}
```

You can use the test page (Swagger UI) to make test calls to your service. Open the method you want to test and click **Execute**.

For more information about the functions of the Swagger UI, go to the [Swagger homepage](.).

You can also use the API Developer Portal to access the Swagger UI and make your test calls (refer to chapter **Developer Portal** for further information).

Click **API Documentation** on an API tile...

...or on the details page of an API.