


Testing APIs

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

 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 invocable. If you have configured policies for an API, you can also check if these policies are applied correctly.

API Definition

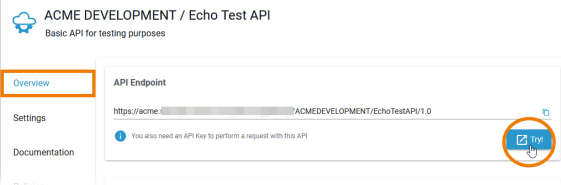
To test an API with API Management, you need to provide an API definition in [Swagger format](#). For more information on API definitions, refer to [API Settings > API Definition](#).


 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.

On this Page:

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- [Testing the API](#)
 - [Testing](#)

Related Pages:

- [APIs](#)
 - [API Settings](#)
 - [Creating an API](#)
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 - [Publishing an API](#)
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API Documentation

HomeMarketplaceMy Clients

OpenEchoAPI (1.0)

EchoAPI 1.0.0

[Base URL: acme- gateway/ACMEDEVELOPMENT/OpenEchoAPI/1.0]
https://acme- /apiman/devportal/protected/organizations/ACMEDEVELOPMENT/apis/OpenEchoAPI/versions/1.0/definition

Schemes

HTTPS

default

GET /HelloId

POST /HelloId

Models

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 exist 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.

ACME DEVELOPMENT / Echo Test API
Basic API for testing purposes

Overview

Settings

Documentation

Contracts

Metrics

Change Log

Contract Name	Version	Platform	State	URL	API Key	Try
java-sample	java-sample (1.0)	High Limit (1.0)	Created	https://acme- gateway/ACMEDEVELOPMENT/EchoTestAPI/1.0	80011ad-9e11-4d37-9b8b-0a9b0308a020	Try
ACME-CDS	Dev (1.0)	Standard Limit (1.1)	Created	https://acme- gateway/ACMEDEVELOPMENT/EchoTestAPI/1.0	a4170de-cd86-4d58-ba6c-030805c2c28e	Try
PROD-CDN	ACME (1.0)	High Limit (1.0)	Created	https://acme- gateway/ACMEDEVELOPMENT/EchoTestAPI/1.0	80011ad-9e11-4d37-9b8b-0a9b0308a020	Try
java-sample	WINTER & PARTNERS (1.0)	High Limit (1.0)	Created	https://acme- gateway/ACMEDEVELOPMENT/EchoTestAPI/1.0	4d805bd-4330-4d71-8b6a-0a9b0308a020	Try
Caroline-Lambda	SPRING COMP (1.0)	Standard Limit (1.1)	Created	https://acme- gateway/ACMEDEVELOPMENT/EchoTestAPI/1.0	80011ad-9e11-4d37-9b8b-0a9b0308a020	Try

API Documentation

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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 /HelloId

POST /HelloId

Models

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

Testing



EchoAPI 1.0.0

[Base URL: acme. /gateway/ACMEDEVELOPMENT/EchoTestAPI/1.0]
<https://acme. /api/main/development/protected/organizations/ACMEDEVELOPMENT/api/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 <pre>{ "hello": "string"}</pre>
default	Example Value Model <pre>{ "code": "string", "message": "string"}</pre>

POST /HelloWorld

Parameters Cancel

Name	Description
input object (body)	Edit Value Model <pre>{ "aString": "string"}</pre>

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](#).



Echo Test API

Basic API for testing purposes

API Documentation

Learn more

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...

Version 1.0 of Echo Test API [\[latest\]](#)

API Documentation



Basic API for testing purposes

Extended Description

This example service has been created for testing purposes. It implements a **very basic REST** service that

- returns "Hello World" and a timestamp on a GET request.
- returns the sent string on a POST request.

Plans

High Limit

Test plan with higher rate limit

Rate Limit 25 requests per Minute per Client

This plan requires approval

Sign Up

Standard Limit

Test plan with standard limiting

Rate Limit 12 requests per Minute per Client

This plan requires approval

Sign Up

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