

# Managing a Private API Configuring the API

Next, you are going to configure your private API: You will attach plans and define their visibility.

**Follow Our Example User Story**

David Stringer wants the API to be available to customer developers. However, he would also like to be able to grant some customers privileged access. He therefore attaches various plans for the API.

## Attach Plans and Define Visibility

In [step 2 of this tutorial](#) you have created two plans in your organization. You will now attach these plans to your API and define their visibility.

**Good to Know**

The visibility concept of API Management defines which user groups can find the APIs in the Developer Portal. The visibility resides on top of the permission system as another security layer. Visibilities are applicable to public APIs and plans for private APIs. Three different visibilities are available: **Organization members** (default), **API Management users**, and **API Developer Portal users**.

Refer to [API Management Guide > The Concepts of API Management](#) for more details.

STRINGER / PrivateEchoAPI\_Stringer

API imported for tutorial 2 to create a private API

1.0

Connect to

Overview

Implementation

Settings

Documentation

Policies

Contracts

Metrics

Change Log

API Developer Portal

Push this API

Pushed API will be displayed on the settings page of the API Developer Portal

Advanced Settings

Available Plans

Attached Plans

Public API

Public APIs do not require an API Key

Attach this plan to configure its version and visibility

Attach this plan to configure its version and visibility

Attach this plan to configure its version and visibility

In tab **Settings** of the API details page all available plans of the organization are displayed.

Attaching plans to the API is simple: Just drag them from column **Available Plans** to column **Attached Plans**.

Attach both the **Standard** and the **Gold** plan to the API.



Step 5: Creating Clients and Contracts

### On this Page:

- [Attach Plans and Define Visibility](#)
- [Define API View in API Developer Portal](#)
- [Publish the API](#)
- [Test the Different Visibilities](#)

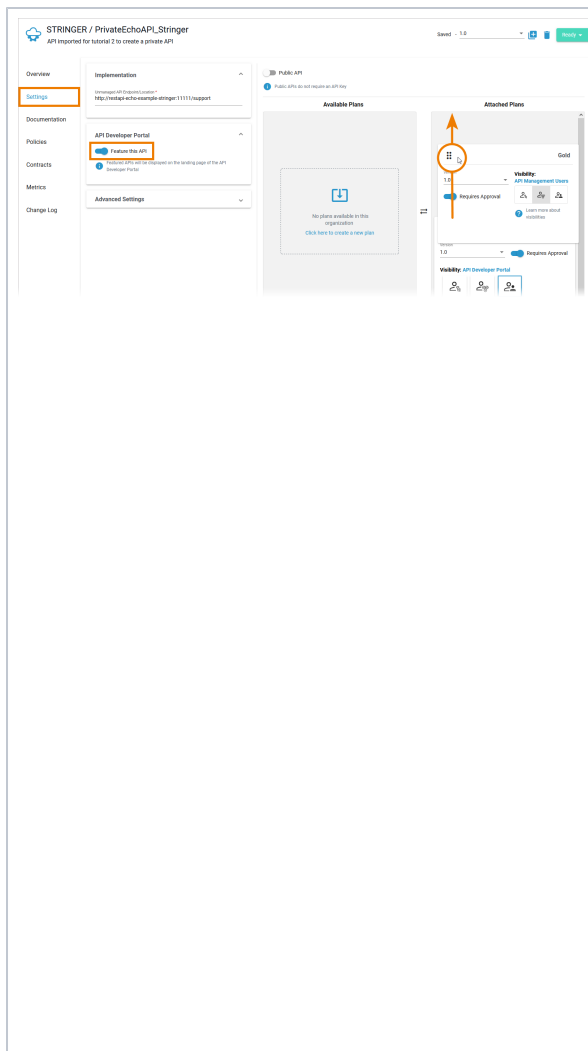
### Related Pages:

- [API Types: Public vs. Private](#)
- [The Concepts of API Management](#)
- [APIs](#)
  - [API Settings](#)
  - [Publishing an API](#)
- [Developer Portal](#)
  - [Developer Access to APIs](#)

	<p>Plan <b>Standard</b> should be shown to all developers, plan <b>Gold</b> only to API Management users.</p> <ul style="list-style-type: none"> <li>Set the visibility of plan to <b>Standard</b> to <b>API Developer Portal</b>.</li> <li>Set the visibility of plan <b>Gold</b> to <b>API Management Users</b>.</li> </ul>
	<p>David wants to keep track of who is using this API, so potential users of the API should have to apply for approval:</p> <ul style="list-style-type: none"> <li>Enable option <b>Requires Approval</b> for both plans.</li> </ul>

## Define API View in API Developer Portal

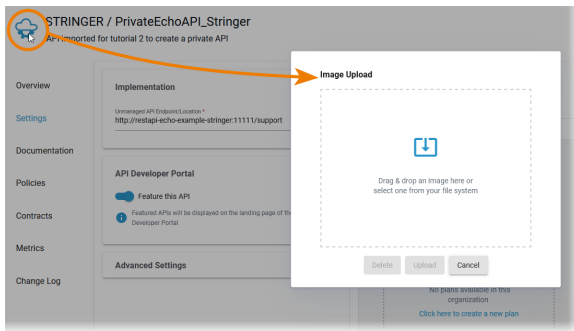
You have determined, who can see the API in the Developer Portal, now you can define its view.



David wants to highlight the API in the Developer Portal by displaying it directly on the start page. He also wants to show plan Gold first.

In tab **Settings** of the API details page...

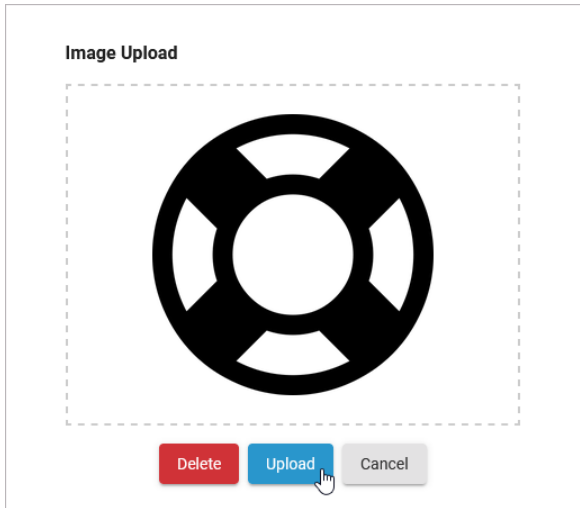
- ... enable option **Feature this API** in section **API Developer Portal**.
- ... drag plan **Gold** on the first position in section **Attached Plans**.



The API should also be displayed with its own icon.

 Click here to download a support icon for the next step.

Click on the API logo on top left to open the image upload.

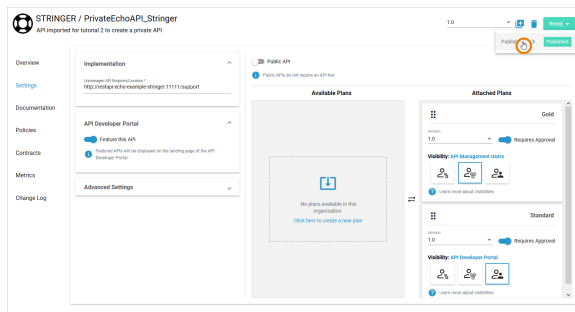


Drag & drop the icon into the window or click to search it on your computer.

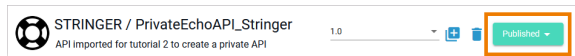
Click **Upload** to **save** your changes.

## Publish the API

Your private API is now configured and can be published. Only published APIs can be consumed by clients. Open the status drop-down on top right and click **Publish**.



The new status of the API is displayed:
















## Test the Different Visibilities

### Good to Know

The API Developer Portal allows you to grant customer developers access to your APIs. In the Developer Portal, developers can sign up for APIs, access them, and try out APIs that you have enabled for them. The portal is designed to keep the discovery and use of APIs simple for the target group.

Refer to [API Management Guide > Developer Portal](#) for more details.

<div data-bbox="159 138 670 508"><h1>API Developer Portal</h1><p>Open Your Endpoints to the World</p><div><p>Grant your customers tailored access to your APIs via a separate interface.</p></div></div>	<p>Go to the PAS Portal and open the <b>API Developer Portal</b>.</p>
<div data-bbox="159 533 732 835"><h2>API Developer Portal</h2><div><span>david.stringer</span>  <span>Logout</span></div><div><span>Home</span> <span>Marketplace</span> <span>My Clients</span></div><div> <b>PrivateEchoAPI_Stringer</b> API imported for tutorial 2 to create a private API</div><div><span>API Documentation</span> <span>Learn more</span></div></div>	<p>You API is displayed correctly with its logo on the homepage of the Developer Portal.</p> <p>Click <b>Learn more</b> to display the API details.</p>
<div data-bbox="159 877 732 1289"><h2>PrivateEchoAPI_Stringer</h2><div><span>david.stringer</span>  <span>Logout</span></div><div><span>Home</span> <span>Marketplace</span> <span>My Clients</span></div><div><b>Version 1.0 of PrivateEchoAPI_Stringer</b> <span>[latest]</span> <span>API Documentation</span> </div><div> API imported for tutorial 2 to create a private API</div><div><b>Extended Description</b></div><div>No further description has been stored for this API</div><div><b>Plans</b></div><div><div><b>Gold</b> Plan with higher rate limit Rate Limit 20 requests per Minute per Client  This plan requires approval <span>Sign Up</span></div><div><b>Standard</b> Plan with low rate limit Rate Limit 10 requests per Minute per Client  This plan requires approval <span>Sign Up</span></div></div></div>	<p>Since your user is an API Management user and you are logged in to the portal, you can see both plans in the API details. Plan <b>Gold</b> is displayed first as intended, both plans require approval.</p>
<div data-bbox="159 1339 732 1780"><h2>PrivateEchoAPI_Stringer</h2><div><span>Logout</span></div><div><span>Home</span> <span>Marketplace</span> <span>My Clients</span></div><div><b>Version 1.0 of PrivateEchoAPI_Stringer</b> <span>[latest]</span> <span>API Documentation</span> </div><div> API imported for tutorial 2 to create a private API</div><div><b>Extended Description</b></div><div>No further description has been stored for this API</div><div><b>Plans</b></div><div><div><b>Standard</b> Plan with low rate limit Rate Limit 10 requests per Minute per Client  This plan requires approval <span>Sign Up</span></div></div></div>	<div><p>O p e n t h e A P I D e v e l o p e r P o r t a l o f y o u r</p></div>

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**R e c o m m e n d a t i o n : O p e n t h e p o r t a l i n a n n o t h e r b r o w s e r o r o p e n i t i n a d i f f e r e n t b r o w s e r .**



Now, you are using the portal as any other visitor without account.

Open the details of your API: Only plan Standard is displayed.

The configuration of your private API is applied as intended. Your API is ready for testing.