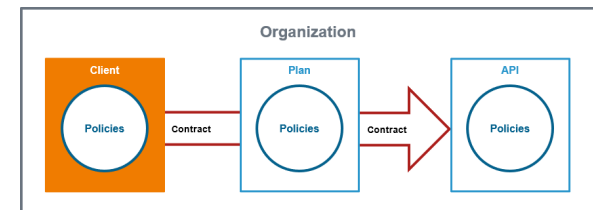


Creating Clients and Contracts

Private APIs are only accessible for known consumers, called clients. Every client version has an individual key to access the API.



Create Client "Spring Corp."

Follow Our Example User Story

David Stringer wants to enable the customer **Spring Corp.** to consume his **PrivateEchoAPI** with the higher rate limit. Therefore, he creates a client for the customer.

Good to Know

A client is the consumer of the API and is only required to use **private** APIs. Each client can consume multiple APIs within API Management. The relation between client and API is defined via a contract and a plan. As with an API or a plan, you can also add policies to a client.

When a client version is created, the system generates a unique API Key. This key is unique per client and the same for all contracts of this client version. All requests made to the API by a client through the gateway must include this API Key to identify the used client version.

Refer to [API Management Guide > Clients](#) for more detailed information.

My APIs | My Clients | My Organizations | My Plans

Filter stringer

STRINGER

Test Organization of David Stringer

1 APIs

0 Clients

2 Plans

1 Members

In API Management, search for your organization and click **Clients**.

STRINGER

Test Organization of David Stringer

Overview

APIs

Clients

Plans

No clients available

Click here to create a new client

In tab **Clients** use the link **Click here to create a new client**.

API Management

Step 6: Testing and Consuming the API

On this Page:

- Create Client "Spring Corp."
- Create a Contract for "Spring Corp."

Related Documentation:

- Clients
 - Creating a Client
- Contracts
 - Creating a Contract

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1 Select Entity 2 Choose Organization 3 Configure Details 4 Summary

Enter the details for your client:

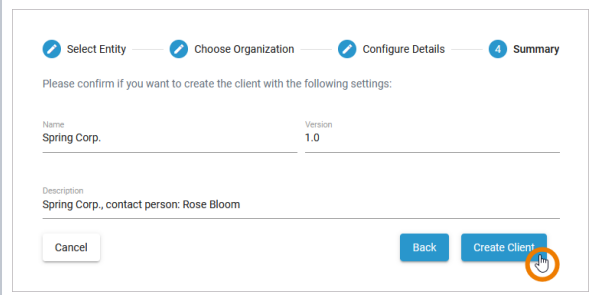
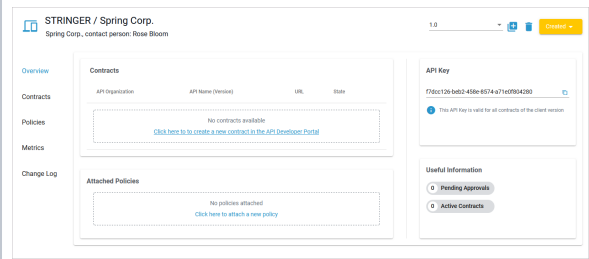
Name *	Version *
Spring Corp.	1.0
Description	
Spring Corp., contact person: Rose Bloom	

Cancel Back Next

A wizard supports you during the creation process. First, enter a **Name** and an optional **Description** for the client:

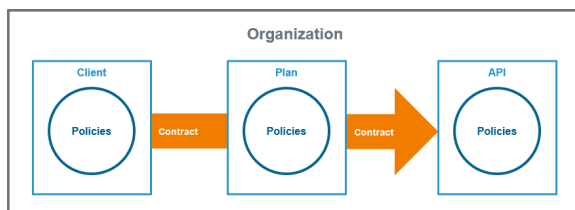
- **Name:**
Spring Corp.
- **Description:**
Spring Corp., contact person: Rose Bloom

Click **Next**.

	<p>The Summary allows you to check your entries.</p> <p>Click Create Client to confirm your settings and create the new client.</p> <p>Click Back if you want to adapt your entries.</p>
	<p>The new client has been created. The client's detail page opens automatically.</p> <p>Refer to API Management Guide > Clients to learn more about the details of a client and its configuration options.</p>

Create a Contract for "Spring Corp."

The relation between client and API is defined via a contract and a plan.



Follow Our Example User Story

David Stringer wants to enable the customer **Spring Corp.** to consume his **PrivateEchoAPI** with the higher rate limit. Therefore, he creates a contract between the **PrivateEchoAPI** and the client **Spring Corp.** for plan **Gold**.

Good to Know

A contract is a link between a client and an API through a plan offered by that API. A contract is necessary if a client wants to consume a private API, it cannot be created between a client and a public API. API contracts can only be created between clients and published APIs which are offered through at least one plan.

Refer to [API Management Guide > Contracts](#) for more detailed information.



STRINGER / Spring Corp.
Spring Corp., contact person: Rose Bloom

Overview

Contracts

Policies

Metrics

Change Log

Contracts

API Organization	API Name (Version)	URL	State
No contracts available			
Click here to create a new contract in the API Developer Portal			

Attached Policies

No policies attached

In tab **Overview** > **Contracts** use the link **Click here to create a new contract in the API Developer Portal**. This will redirect you to the Developer Portal.



PrivateEchoAPI_String...

API imported for tutorial 2 to create a private API

API Documentation

Learn more

Since you featured your API, it is displayed directly on the portal homepage.

Click **Learn more** to open the API details.

Version 1.0 of PrivateEchoAPI_Stringer [latest]

API Documentation



API imported for tutorial 2 to create a private API

Extended Description

No further description has been stored for this API

Plans

Gold	Standard
Plan with higher rate limit	Plan with low rate limit
Rate Limit: 20 requests per Minute per Client	Rate Limit: 10 requests per Minute per Client
This plan requires approval	This plan requires approval
Sign Up	Sign Up

In the **Plans** section, you find all available plans for the API and information on whether approval is required for a plan.

Click **Sign Up** on plan **Gold**.

1 Select/create Client

2 Summary

3 Confirmation

Select or create a new client

Organization

STRINGER

Search or create

Spring Corp.

Create

Select from available Clients

Organization	Client
<input checked="" type="radio"/> STRINGER	Spring Corp.

Next

Now follow the wizard through some simple steps:

- Select your organization.

Only the **Spring Corp.** client exists in your organization. This client is therefore already selected.

1 Select/create Client

2 Summary

3 Confirmation

Summary

API Documentation

Displays the Open API definition (Swagger) and allows for making test calls if the API is available.

API Documentation

Download

API Key

When an API contract is created, the system generates a unique API Key.
This API Key is unique per client and the same for all contracts of this client.
All requests made to the API must include this API Key:

As HTTP Request Header
You will be provided an API key after signup

Endpoint

Use this URL to access the API:

As HTTP Query Parameter
You will be provided an endpoint after signup

Policies

Rate Limiting Policy

Requests are limited to 20 requests per Minute per Client

The following headers in the response contain useful information relating to rate limit:

- X-RateLimit-Limit: Rate limit allowance (per time period)
- X-RateLimit-Remaining: Rate limit allowance remaining
- X-RateLimit-Reset: The time the rate limit will be reset (in seconds)

Back Confirm

1 Select/create Client

2 Summary

3 Confirmation

Confirmation

API Documentation

Displays the Open API definition (Swagger) and allows for making test calls if the API is available.

API Key

When an API contract is created, the system generates a unique API Key.
This API Key is unique per client and the same for all contracts of this client.
All requests made to the API must include this API Key:

As HTTP Request Header
X-API-Key: T76cc125-8574-47160f804280

Endpoint

Use this URL to access the API:

As HTTP Query Parameter
https://acme.gateway/STRINGER

Policies

Rate Limiting Policy

Requests are limited to 20 requests per Minute per Client

The following headers in the response contain useful information relating to rate limit:

- X-RateLimit-Limit: Rate limit allowance (per time period)
- X-RateLimit-Remaining: Rate limit allowance remaining
- X-RateLimit-Reset: The time the rate limit will be reset (in seconds)

Finish

In step 2, the summary displays the API-related information.

Click **Confirm** to send your request.

In the next step, **API Key** and **Endpoint** are provided.

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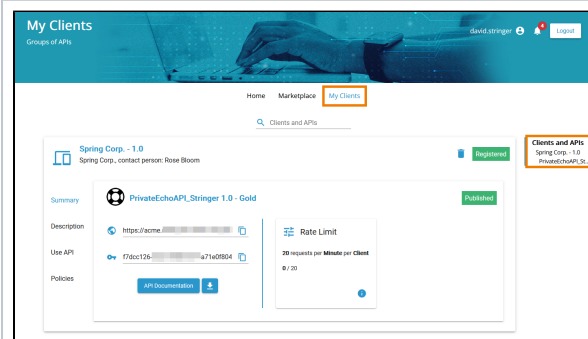
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erhasedi ng ri ghts for the organization in which the plan is stored, you can create the contract without a pro

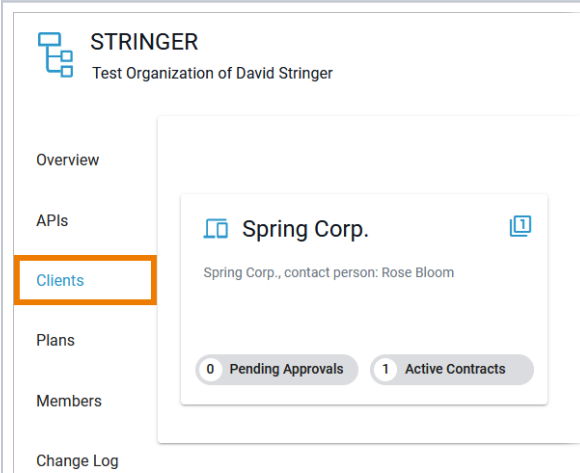
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Click **Finish** to close the wizard.

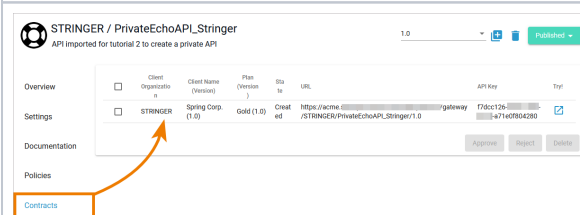
You are redirected to tab **My Clients**.

This tab provides an overview on all your clients and contracts and a table of contents on the right side for easy navigation.

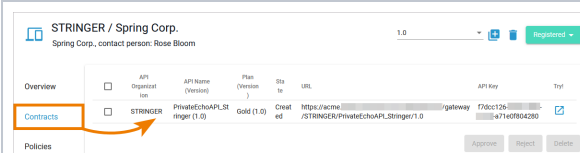


Open API Management again:

- Your new client is also displayed in tab **Clients** of organization **STRINGER**.



- The new contract is shown in tab **Contracts** of the **PrivateEchoAPI_Stringer...**



- ... and in tab **Contracts** of the client **Spring Corp.**

Your API is ready for testing.