

Exposing Designer Services via API Management

For xUML services that have been deployed from the Designer as a container, secured endpoints are created automatically. However, these services are only usable internally and are not exposed to users outside the company. If you want to make them available to others, you can publish them via **Scheer PAS API Management** and restrict their usage with additional policies.

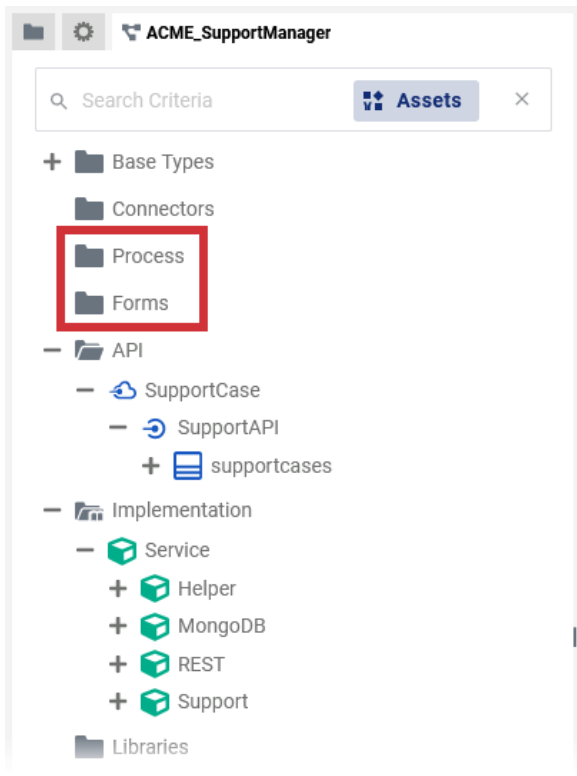


The following explanations apply to xUML services without user context (forms or role check).

On this Page:

- [Managing the Designer Service](#)
- [Configuring Your API](#)

Managing the Designer Service

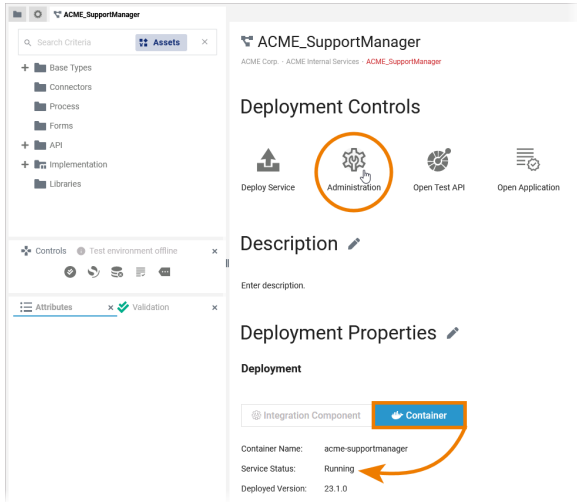


The screenshot shows the 'ACME_SupportManager' interface. On the left, a sidebar lists various asset categories: Base Types, Connectors, Process (highlighted with a red box), Forms, API, Implementation, and Libraries. Under 'API', there is a 'SupportCase' folder containing 'SupportAPI' and 'supportcases'. Under 'Implementation', there is a 'Service' folder containing 'Helper', 'MongoDB', 'REST', and 'Support'.

In the Designer, you have created a REST service that contains neither forms nor a process.

Example:

We use a REST service named **SupportAPI** that handles support cases which are stored to a MongoDB.




The screenshot shows the 'ACME_SupportManager' interface with the 'Administration' tab selected in the 'Deployment Controls' section. The 'Administration' icon is circled in orange. Below the 'Description' field, the 'Deployment Properties' section shows the 'Deployment' tab. In the 'Deployment' section, the 'Container' button is highlighted with an orange box and an arrow pointing to it. The 'Container' button is labeled 'Container' and has a blue icon. Below the 'Container' button, the 'Container Name' is 'acme-supportmanager', the 'Service Status' is 'Running', and the 'Deployed Version' is '23.1.0'.

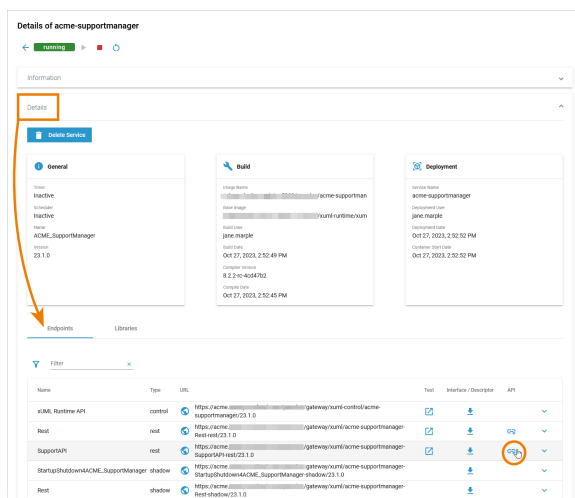
Choose the deployment target **Container**.

From the Service details page, open the service in the PAS Administration.

Related Documentation:

- [API Management Guide](#)
 - [Creating an API](#)
 - [Publishing an API](#)
 - [Creating a Plan](#)
 - [Developer Portal](#)
- [Administration Guide](#)
 - [Controlling Containerized xUML Services](#)

In the Administration, you can access the service details, which also contain the information about the service endpoints. Use **Import API**  to transfer the endpoint to API Management:



You are now redirected to API Management and a wizard will guide you through the creation of the API (refer to [Creating an API](#) for a step-by-step guide).

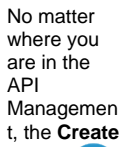
Configuring Your API

You imported the API to API Management, because you want to make it (publicly) available for others to consume. If you want to control the use of your API, differentiate between access groups and benefit from various metrics, we recommend creating a private API (refer to [API Types: Public vs. Private](#) for further details).

Example: Our example service handles support cases. The API should be usable by two different access groups:

- Users with limited permissions who can only create support tickets.
- Support administrators who can create and manage support tickets.

Therefore we choose to create a private API with two different plans.



Open the menu and click **Create Plan** to add a new plan.

✓ Select Entity

✓ Choose Organization

✓ Configure Details

4 Summary

Please confirm if you want to create the plan with the following settings:

Name

Support Case Creator

Version

1.0

Description

Allows the creation of support tickets

Cancel

Back

Create Plan

Follow the wizard through some simple steps. You need to...

- ... select the organization in which the plan should be created.
- Enter a name for the plan.
- Enter a version for the plan.

You can also enter a description, but this is optional.

Example:

We create a plan for our first use case (users with limited permissions).

jane.marple / Support Case Creator

1.0

Created

Allows the creation of support tickets

Overview

Policies

Change Log

Attached Policies

No policies attached

Click here to attach a new policy

If you want to create plans for users with limited access, you have to assign appropriate policies.

On a newly created plan, you can use the link **Click here to attach a new policy** in the Overview tab. You can also switch to tab **Policies** and add your policies here.





Add Policy for PLAN: [SupportCaseCreator](#)

1 Select Policy 2 Configure Policy 3 Summary

Filter
Ign X

Security

 **Ignored Resources**
Allows the user to prevent access to some API resources without blocking access to all API resources.



Cancel

The policy wizard supports you during policy configuration. Click on the policy tile to open the policy configuration.

Example:

We choose the **Ignored Resources Policy**.

Add Policy for PLAN: [SupportCaseCreator](#)

1 Select Policy 2 Configure Policy 3 Summary

Ignored Resources

Basic Configuration
Use this policy to manage the list of API routes to ignore.

<input type="checkbox"/>	Path	Method
<input type="checkbox"/>	/supportcases/* <small>Regular expressions must be written in java syntax.</small>	DELETE
<input type="checkbox"/>	/supportcas <small>Regular expressions must be written in java syntax.</small>	GET

[Add](#) [Delete](#) Items per page: 20 1 - 2 of 2 |< < > >|

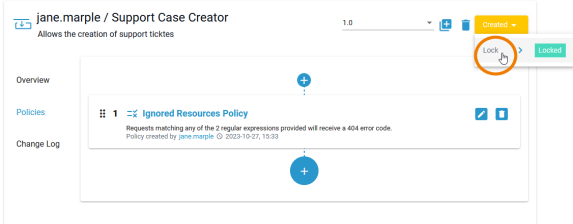
Cancel [Back](#) [Next](#)

Now, configure the policy according to your requirements.

Example:

We configure the **Ignored Resources Policy** so that support case creators cannot receive or delete support requests.

Click **Next** to see a summary of your configuration. Confirm the summary to attach the policy.



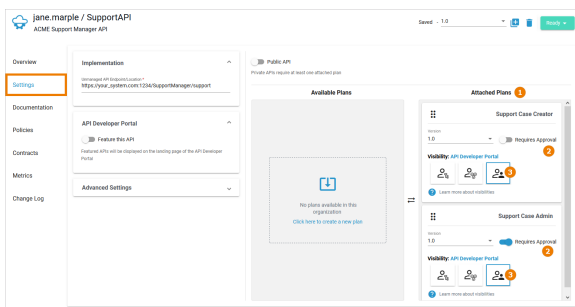
The policy is added to the plan, you are now able to lock it.

Only locked plans can be used by APIs in the organization. Refer to [Locking a plan](#) for details.



In the same way, we create a second plan for support case administrators.

Administrators don't have any restrictions because they should be able to access all support tickets. Therefore, their plan has no policies assigned.



Now, you need to assign the plans to your API. Go to the API details page, open tab **Settings** and do the following:

1. Attach the plans you want to use with drag & drop.
2. Set **Require Approval** for the plans that are not to be available to everyone.
3. Choose the visibility of the plans.

✔ **Expert Advice**

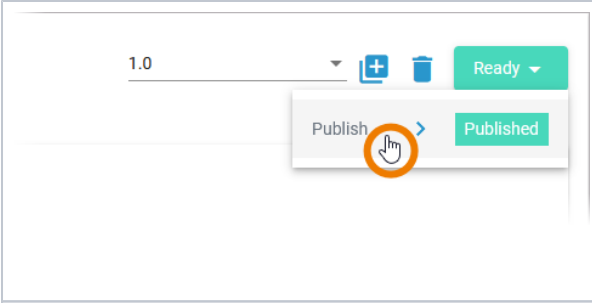
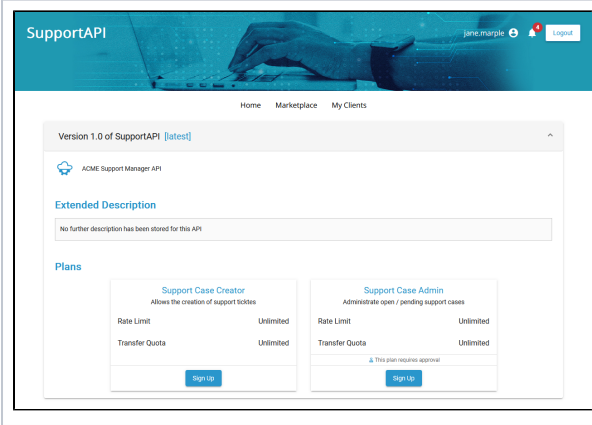
Read more about the visibility concept on page [The Concepts of APIManagement](#).

Example:

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1. **Attach:**
We want to use both created plans, so both are attached to the API.

2. **Require Approval:** Everyone should be able to use the API for support ticket creation, but we want to approve the users with admin permission. Therefore, the usage of plan Support Case Admin needs approval.

3. **Visibility:** Both plans should be visible to all visitors of the API Developer Portal.

 <p>The screenshot shows a user interface for managing API versions. At the top, '1.0' is displayed next to a dropdown arrow, a plus icon, and a trash icon. A green 'Ready' button is visible. Below this, a 'Publish' button is highlighted with an orange circle and a hand cursor icon, with a 'Published' button to its right.</p>	<p>You have completed the necessary steps to configure your API. Now, you can publish it to make it publicly available.</p>
 <p>The screenshot shows the 'SupportAPI' developer portal. The header includes the 'SupportAPI' logo, a 'jane@marple' user profile, and a 'Logout' button. The main content area shows 'Version 1.0 of SupportAPI [latest]' and 'ACME Support Manager API'. Under 'Extended Description', it states 'No further description has been stored for this API'. The 'Plans' section lists two options: 'Support Case Creator' (allows creation of support tickets) and 'Support Case Admin' (administrate open / pending support cases). Both plans show 'Rate Limit' and 'Transfer Quota' as 'Unlimited'. Each plan has a 'Sign Up' button. A note at the bottom indicates 'This plan requires approval'.</p>	<p>The API is available in the API Developer Portal. Users can now sign up for it.</p>