Oracle® Cloud

Guided Journey: Integration Platform Service

E89712-05
October 2019

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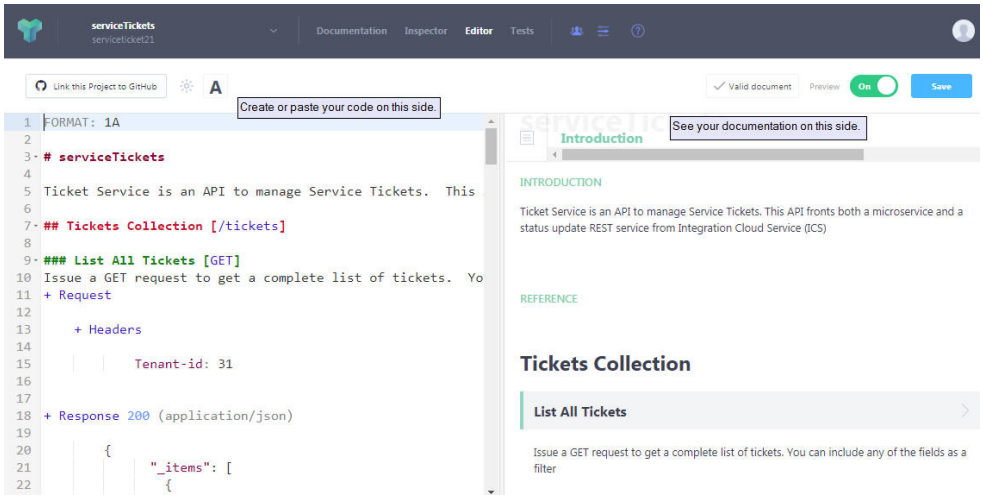
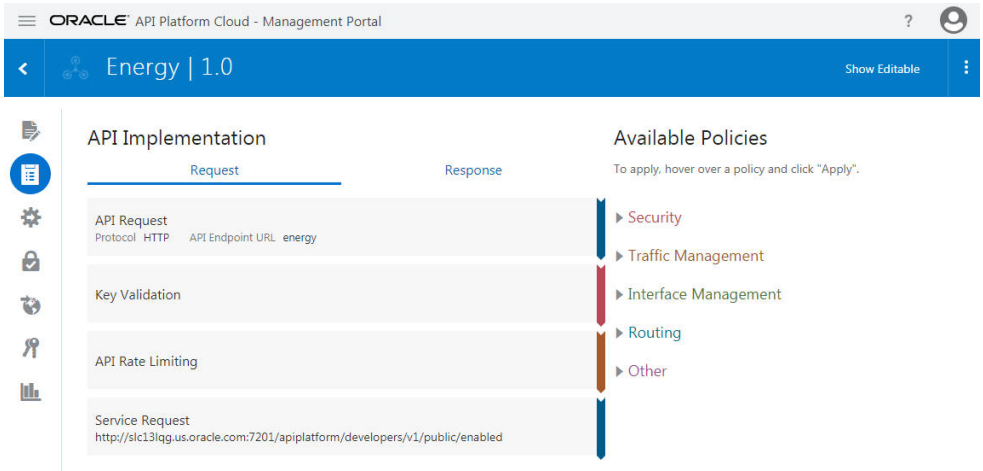
API Platform Cloud Service Overview

API Platform Cloud Service supports the complete API lifecycle. You can:

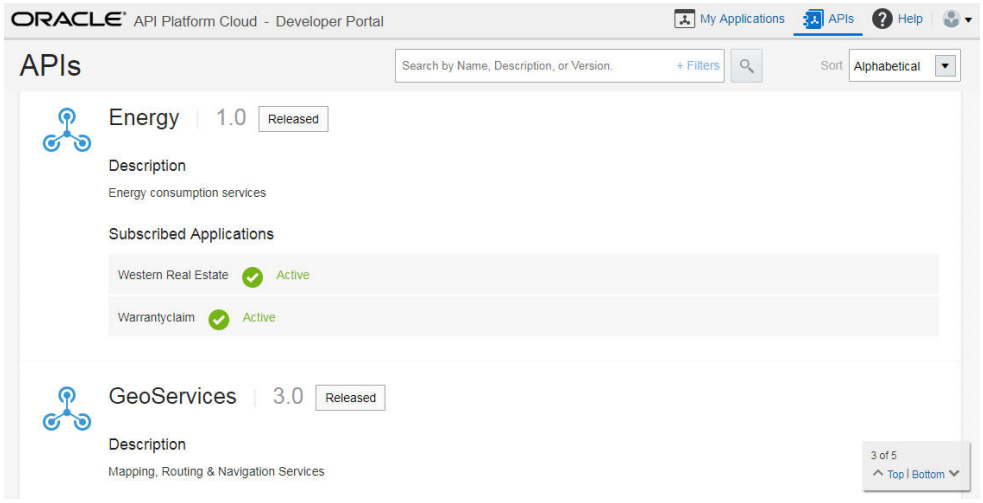
- Design, describe and document your API with Apiary. You can also use existing code and place it in Apiary to create the documentation. Apiary includes a mock service so you can test your API.



- Manage your API in the Management Portal by adding endpoints and security policies, publishing the endpoints, and deploying the API.



- Discover and consume APIs in the Developer Portal. Developers can search for APIs in the Portal, build applications, and subscribe their applications to use APIs.


ORACLE API Platform Cloud - Developer Portal
My Applications
APIs
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APIs
Search by Name, Description, or Version.
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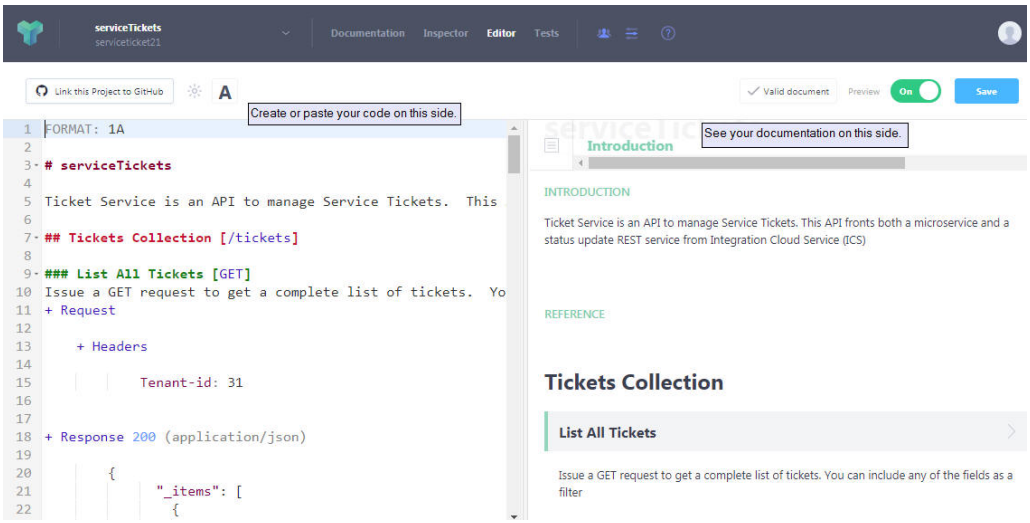
Designing an API

Use Apiary to design, document, and test your API.

Oracle Apiary provides you with the ability to design APIs using either API Blueprint or Swagger 2.0. From these description files, Oracle Apiary generates interactive documentation and a console for making calls to the APIs from the UI. Oracle Apiary also instantiates a mock service that you can use to interact with the examples provided in the specification file. API Managers can link APIs they have on Oracle Apiary to display interactive documentation, a test console, and mock service details on an API's page in the Developer Portal.



To design an API in Apiary, follow these basic steps:

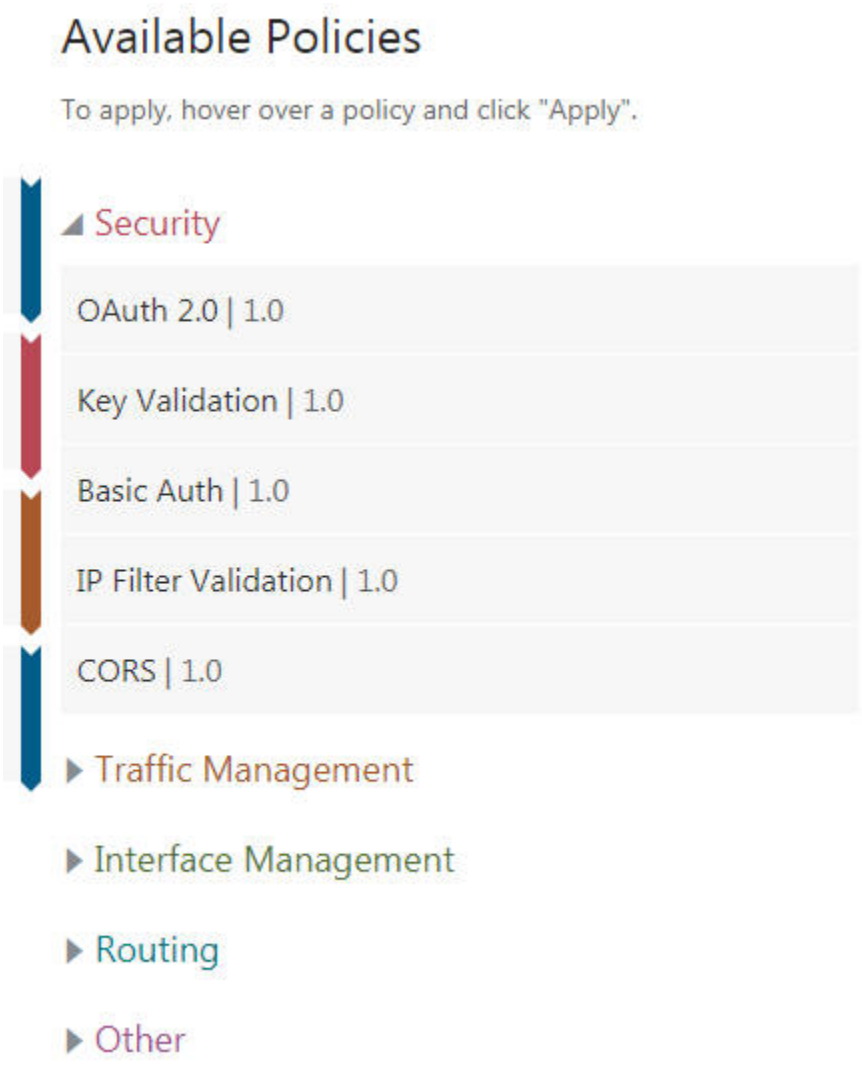
1. Create and name a new API Project in Apiary.
2. Add or edit the Swagger or API Blueprint code for your API.
3. View and edit documentation interactively in the editor.
4. Use the mock server to prototype your design and test it.

Implementing APIs

Policies can perform such functions as secure, throttle, and route calls between front-end clients and back-end servers. The basic implementation includes the API Request Policy and the Service Request Policy. This is the simple proxy pattern which provides an end-point for front-end clients, and routes the request to some sort of back-end service and returns the response.

You can add additional policies to an API, as necessary. Policies fall into several different categories:

- Security: such as Key Validation
- Traffic Management: such as Application Rate Limiting
- Interface Management: such as Header Validation and Interface Filtering
- Other: such as Groovy Script



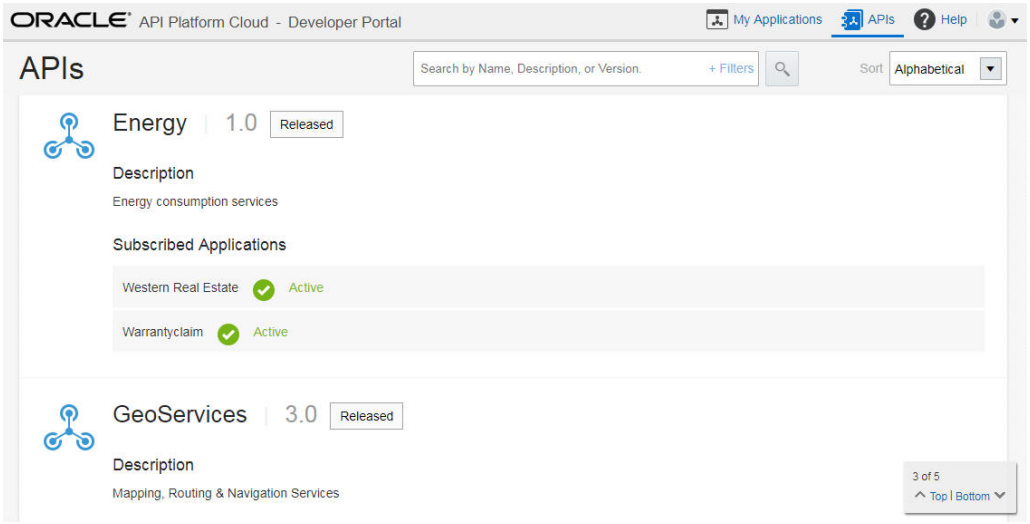
To implement your API, follow these basic steps:

1. Sign in to the Management Portal of API Platform Cloud Service.
2. Select the API and edit it.
3. Configure the API Request Policy.
4. Configure the Service Request Policy.
5. Apply other policies as necessary.
6. Test the API with the policies.

Discovering and Consuming APIs in the Developer Portal

The Developer Portal provides discovery, learning, and registration for APIs. It is the web page where you subscribe to APIs and get the necessary information to invoke them.

When you access the Developer Portal, the API page appears. All the APIs that have been published to the portal are listed. You can search for APIs on this page to find the one you want. If you haven't already done so, you can create an application, and then you can subscribe the application to the API through a plan.



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