

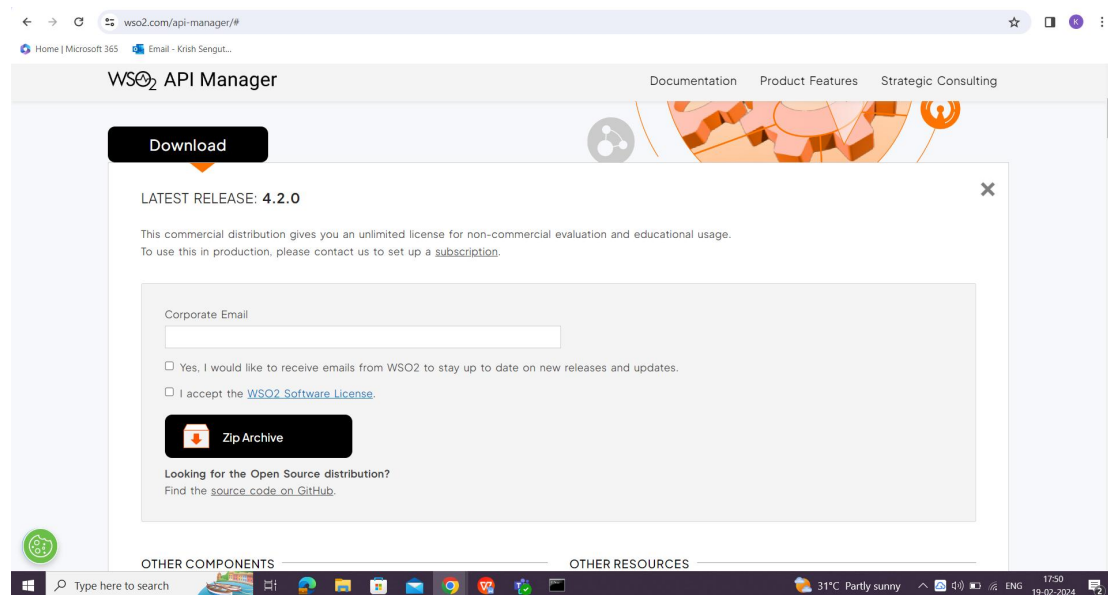
Creating, Publishing & Testing an API in WSO2(Publisher portal)

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ACI11698

Ensure you have Java Development Kit (JDK) installed. You can download and install JDK from the Oracle website or use OpenJDK.

Download WSO2 API Manager:

- Go to the official WSO2 website or directly to the WSO2 API Manager download page.
- Choose the desired version of WSO2 API Manager and download the distribution package suitable for your operating system.



Extract the Distribution:

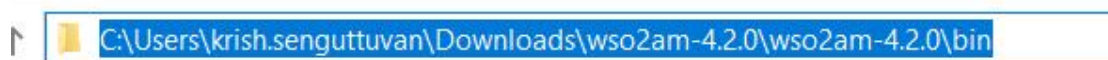
- After downloading, extract the contents of the distribution package to a directory on your system.

Configure Environment:

- Set up environment variables if necessary. At a minimum, ensure that the **JAVA_HOME** environment variable is set to the location of your JDK installation.

Start the Server:

- Open a terminal or command prompt and navigate to the **bin** directory within the extracted WSO2 API Manager distribution.



- Execute the startup script appropriate for your operating system:

On Windows: Run api-manager.bat

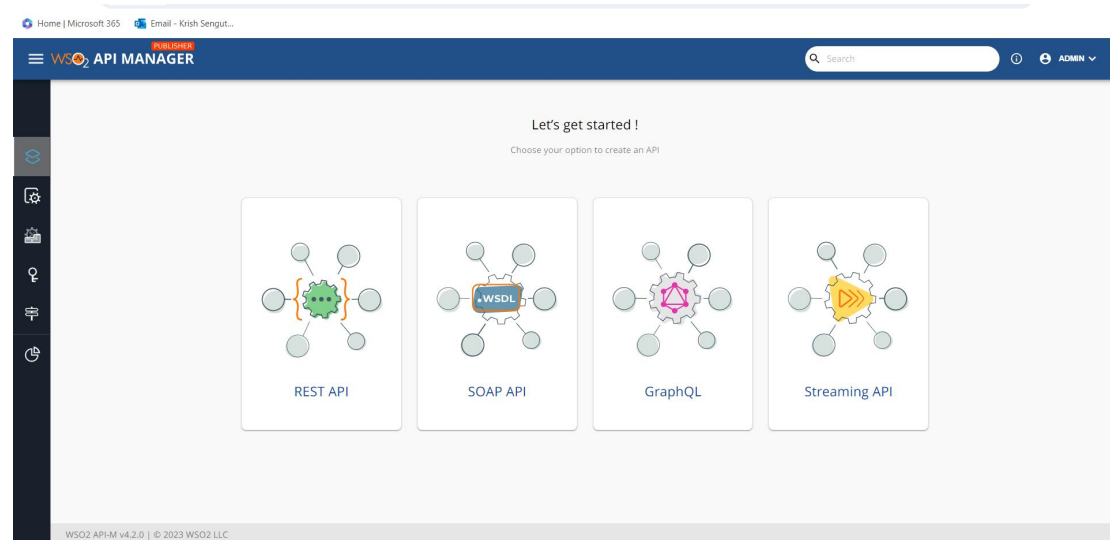
```
C:\Users\krish.senguttuvan\Downloads\wso2am-4.2.0\wso2am-4.2.0\bin>api-manager.bat
```

- Once the server has started successfully, open a web browser.
- Access the WSO2 API Manager management console using the default URL:

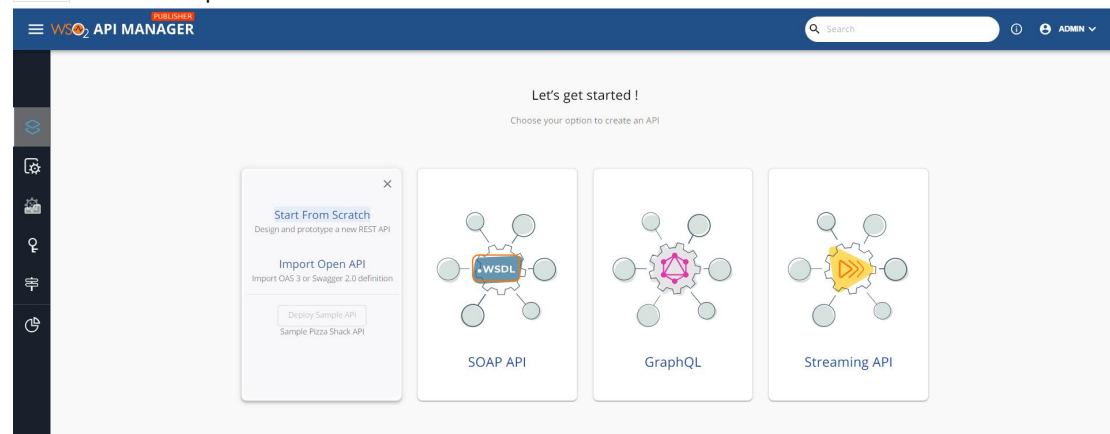
```
[2024-02-19 13:52:42,612] INFO - CarbonUIServiceComponent Mgt Console URL : https://localhost:9443/carbon/
[2024-02-19 13:52:42,612] INFO - CarbonUIServiceComponent API Developer Portal Default Context : https://localhost:9443/devportal
[2024-02-19 13:52:42,612] INFO - CarbonUIServiceComponent API Publisher Default Context : https://localhost:9443/publisher
```

Create a New API:

- In the API Publisher interface, click on the "Add New API" button.



- Choose the option to create a new API from scratch.



Define API Details:

- Fill in the basic details for your API, such as Name, Context, Version, and Description.
- The "Context" is the URI path that will be used to access your API.



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WSO2 API MANAGER

Create an API

Create an API by providing a Name, a Version, a Context and Backend Endpoint (optional)

Name*
SampleAPI01

Context*
/testapi01

Version*
1.0.0

API will be exposed in /testapi01/1.0.0 context at the gateway

Endpoint
http://run.mocky.io/v3/58fd34d3-b6f3-4417-b178-91d3c6dd3874

Create Create & Publish Cancel

WSO2 API-M v4.2.0 | © 2023 WSO2 LLC

- Click "Create" to proceed.

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WSO2 API MANAGER

Overview

Develop

Portal Configurations

API Configurations

Deploy

Deployments

Test

Try Out

Publish

Lifecycle

SampleAPI01 : 1.0.0

Created by: admin

State

Current API

Go To

Create New Version

Download API

Delete

Overview

Last updated: a few seconds ago

Develop

Endpoint

Business Plan

Deploy

Test

Publish

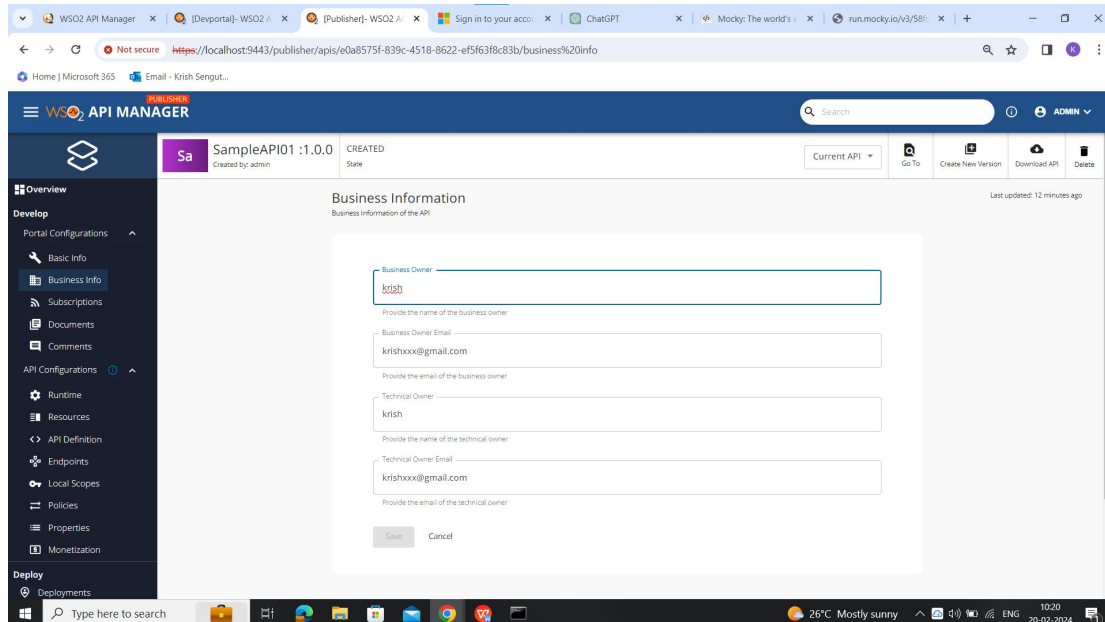
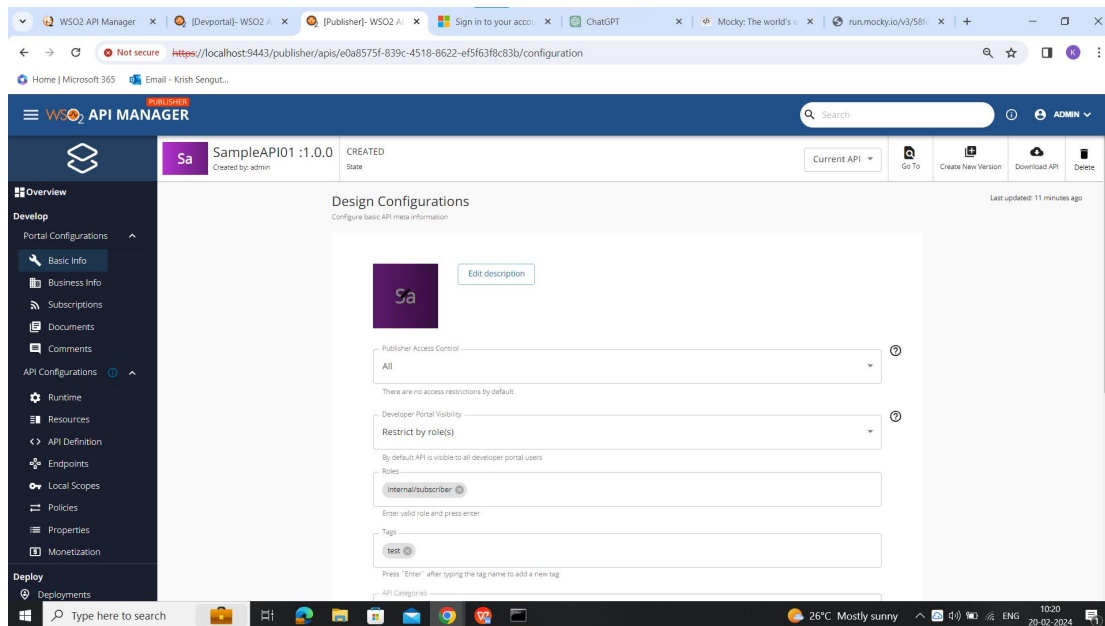
Context:

Description	-
Provider	admin
Context	/testapi01
Version	1.0.0
Type	HTTP
Created Time	A few seconds ago
Last Updated Time	A few seconds ago
Business Owner	-
Technical Owner	-

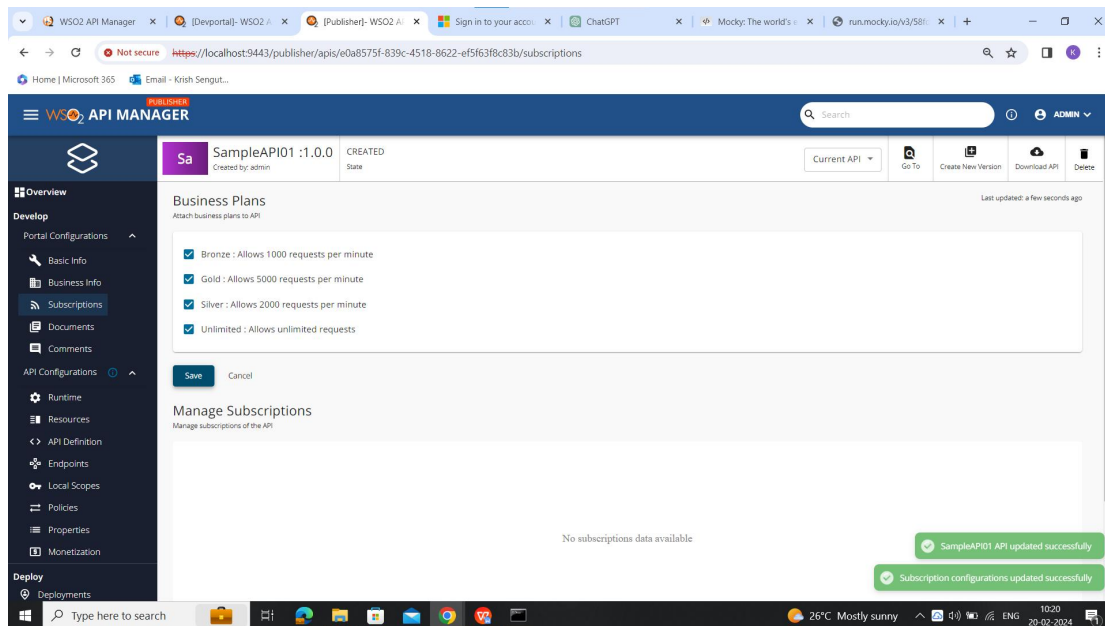
Configuration

Transports	HTTP, HTTPS
API Security	OAuth2
Access Control	None
Workflow Status	-
Visibility on Developer Portal	Public
Business Plans	Unlimited
Tags	-

- Now fill in Basic and Business info tab .

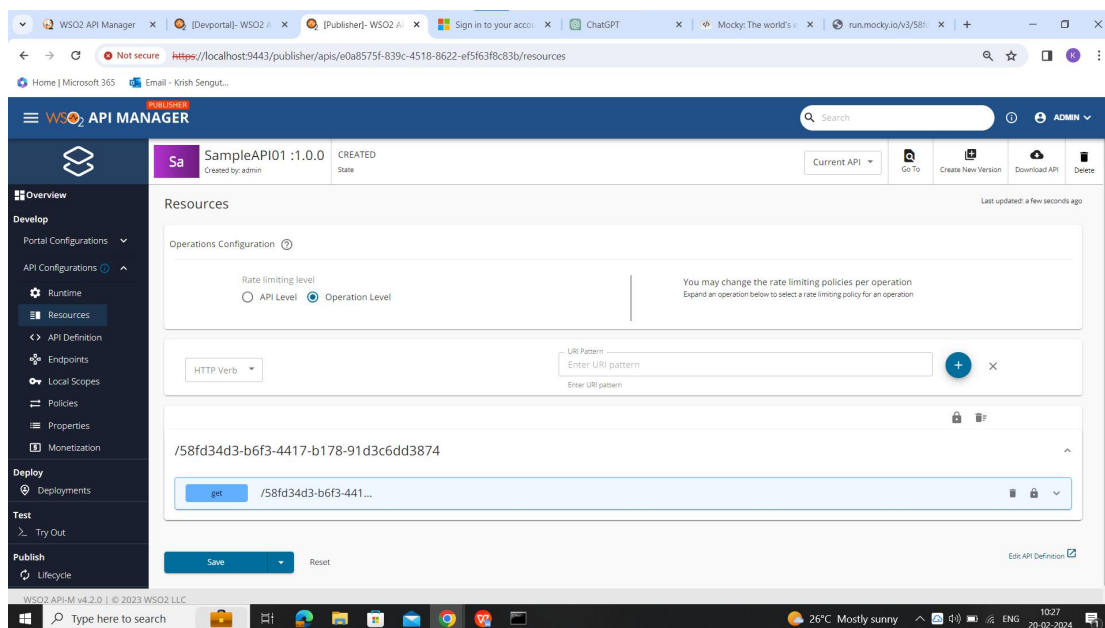


- Configure the subscription plans.



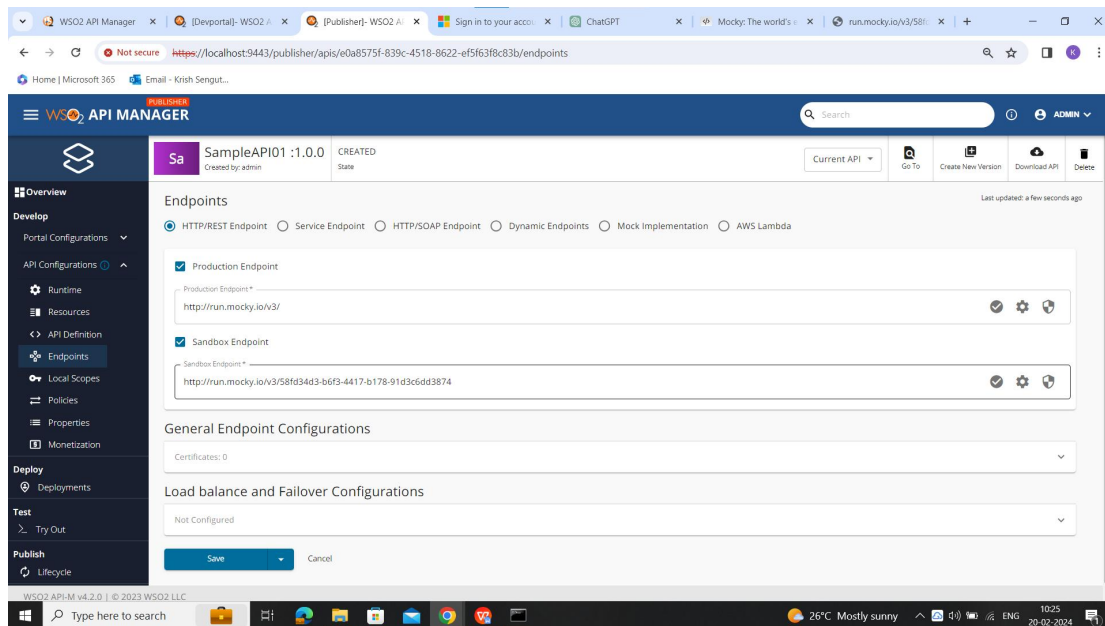
Design API:

- Define the resources and methods of your API. Resources represent the endpoints of your API, and methods define the HTTP verbs supported by each resource.
- Add resources and define the HTTP methods (GET, POST, PUT, DELETE, etc.) for each resource.



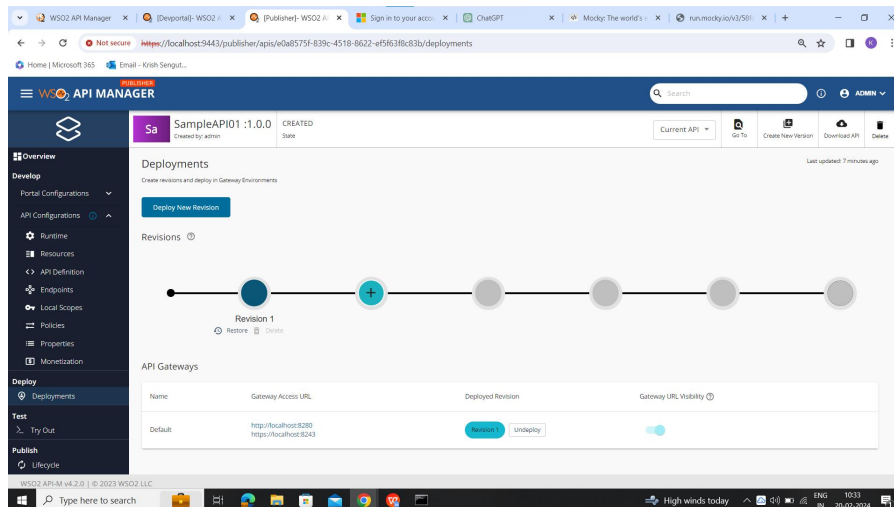
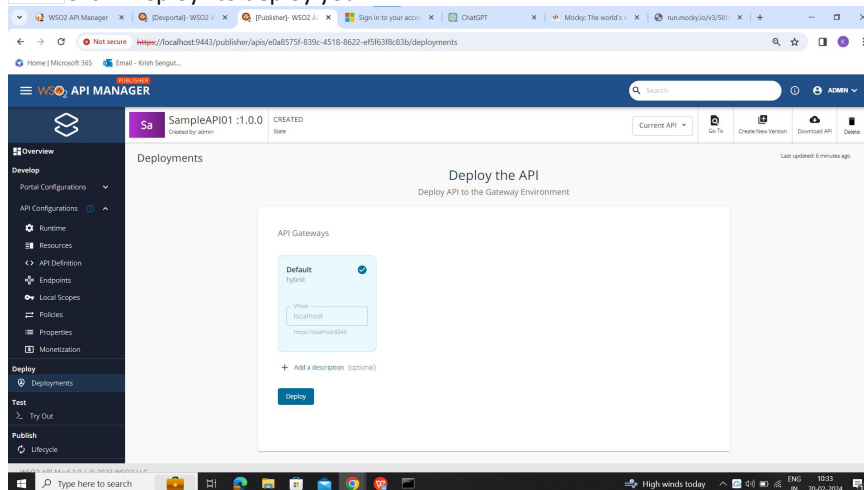
Implement:

- In this step, you can provide a URL endpoint where your API implementation resides. This could be a backend service, a web application, or any other service that your API communicates with.



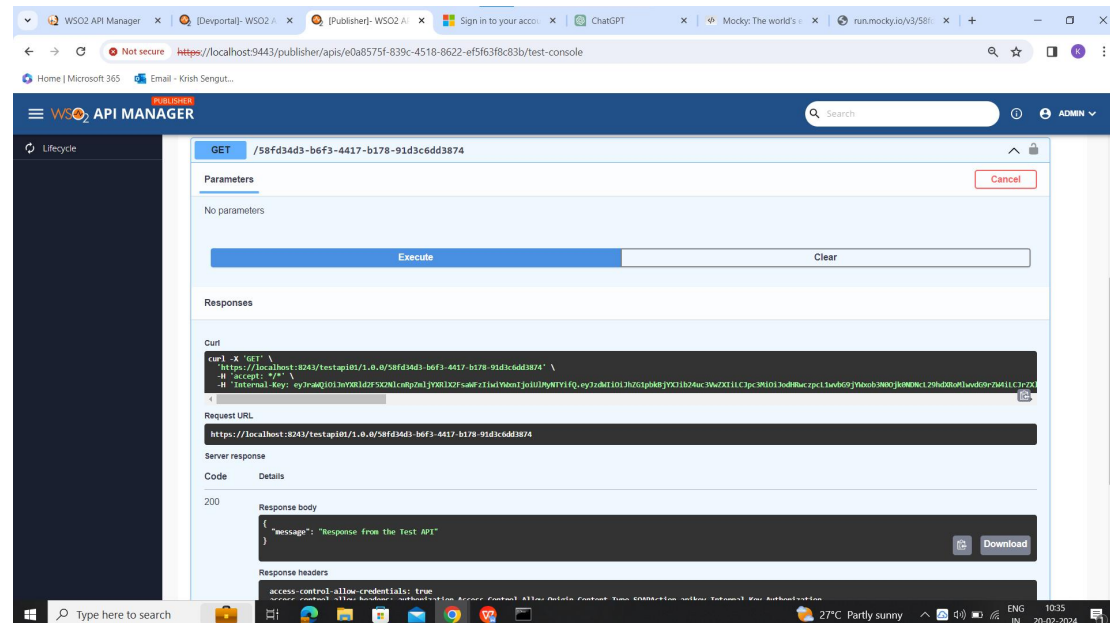
Deploy API:

- Review the summary of your API configuration.
- Click "Deploy" to deploy your API.



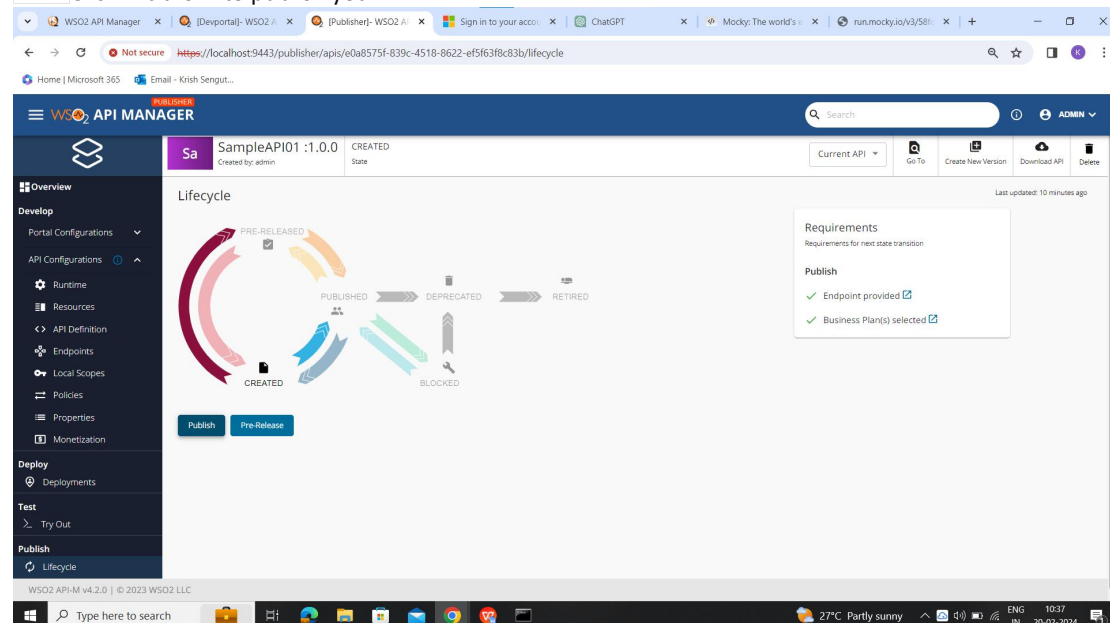
Test API in Publisher portal:

- you can test your API using the provided test console in the API Publisher interface or directly from the API Store.

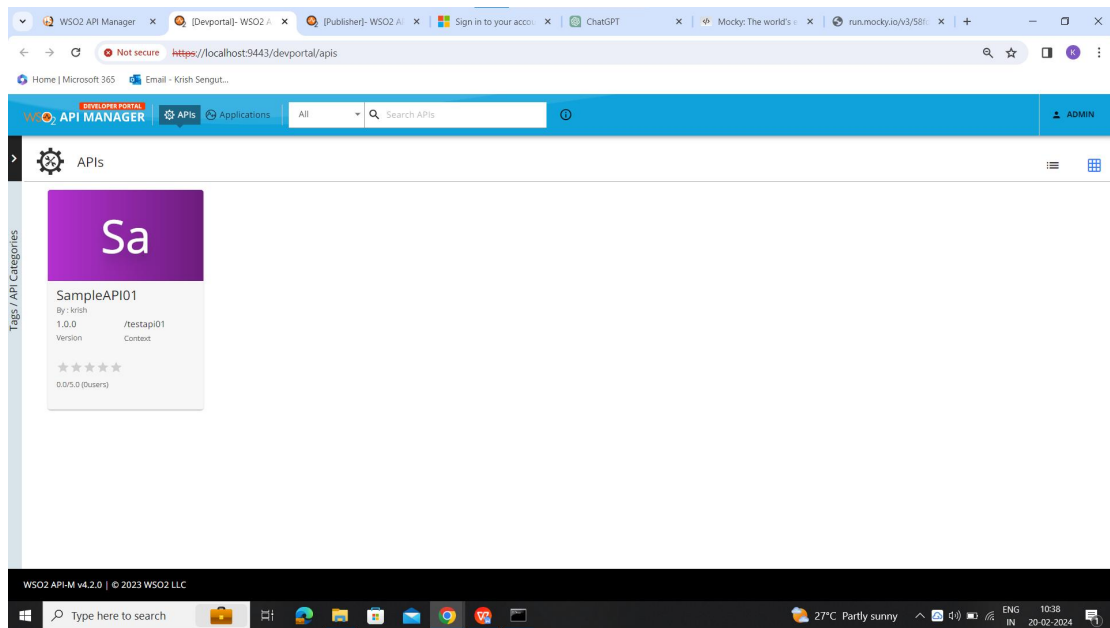


Publish API:

- After deploying, you need to publish the API to make it available in the API Store for consumers.
- Click "Publish" to publish your API.



- After publishing, our API will be visible in our developer portal.



By following these steps, you can create and publish APIs in WSO2 API Manager for consumption by developers and applications.