

WSO2

Name: Harshavartthan A

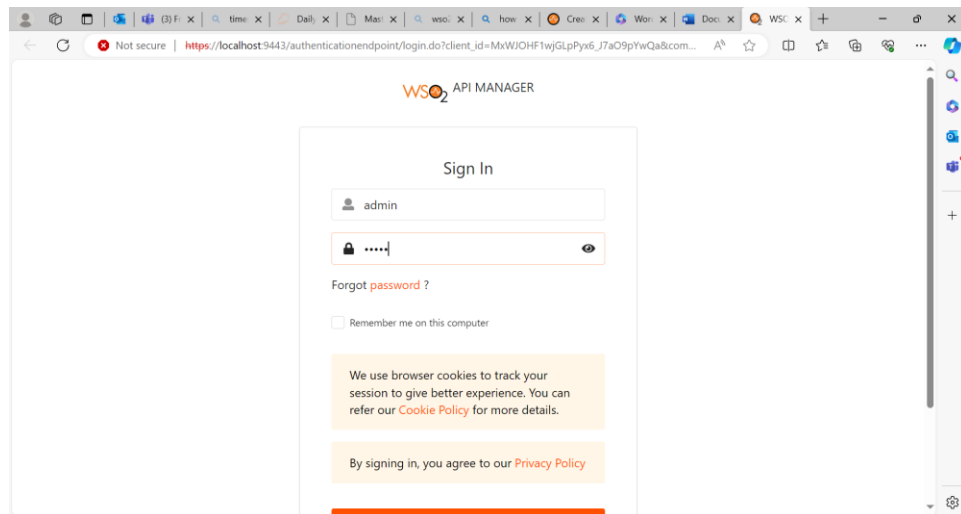
- 1) We want to go to the bin file and type cmd (api-manager.bat --run)

```
C:\Windows\System32\cmd.exe - api-manager.bat --run
Microsoft Windows [Version 10.0.19045.3930]
(c) Microsoft Corporation. All rights reserved.

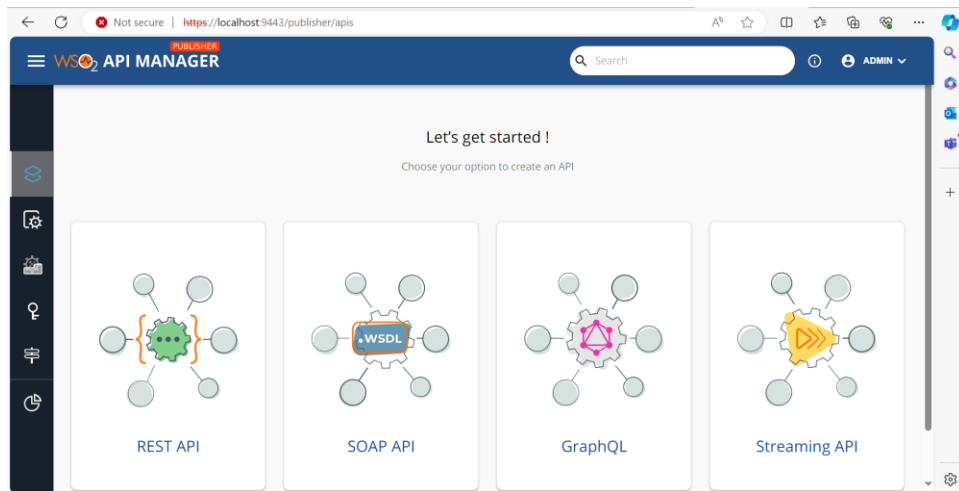
C:\Users\harsh.arumugam\Downloads\wso2am-4.2.0\wso2am-4.2.0\bin>api-manager.bat --run

JAVA_HOME environment variable is set to C:\Program Files\Java\jdk-17
CARBON_HOME environment variable is set to C:\Users\HARSH-I.ARU\DOWNLO-1\WSO2AM-1.0\WSO2AM-1.0\bin\..
[2024-02-20 10:59:54,750] INFO (org.wso2.config.mapper.ConfigParser) - Configurations Changed in :repository/resources/security\listenerprofiles.xml
[2024-02-20 10:59:54,750] INFO (org.wso2.config.mapper.ConfigParser) - Configurations Changed in :repository/resources/security\ssipprofiles.xml
[2024-02-20 10:59:54,750] INFO (org.wso2.config.mapper.ConfigParser) - Overriding files in configuration directory C:\Users\HARSH-I.ARU\DOWNLO-1\WSO2AM-1.0\WSO2AM-1.0\bin\..
..
[2024-02-20 11:00:02,047] INFO - CarbonCoreActivator Starting WSO2 Carbon...
[2024-02-20 11:00:02,048] INFO - CarbonCoreActivator Operating System : Windows 10 10.0, amd64
[2024-02-20 11:00:02,048] INFO - CarbonCoreActivator Java Home : C:\Program Files\Java\jdk-17
[2024-02-20 11:00:02,048] INFO - CarbonCoreActivator Java Version : 17.0.10
[2024-02-20 11:00:02,048] INFO - CarbonCoreActivator Java VM : Java HotSpot(TM) 64-Bit Server VM 17.0.10+11-LTS-240,Oracle Corporation
[2024-02-20 11:00:02,048] INFO - CarbonCoreActivator Carbon Home : C:\Users\HARSH-I.ARU\DOWNLO-1\WSO2AM-1.0\WSO2AM-1.0\bin\..
[2024-02-20 11:00:02,048] INFO - CarbonCoreActivator Java Temp Dir : C:\Users\HARSH-I.ARU\DOWNLO-1\WSO2AM-1.0\WSO2AM-1.0\bin\..\tmp
[2024-02-20 11:00:02,048] INFO - CarbonCoreActivator User : harsh.arumugam, en-IN, Asia/Calcutta
[2024-02-20 11:00:02,283] INFO - DefaultCryptoProviderComponent 'CryptoService.Secret' property has not been set. 'org.wso2.carbon.crypto.provider.SymmetricKeyInternalCrypt
toProvider' won't be registered as an internal crypto provider. Please set the secret if the provider needs to be registered.
[2024-02-20 11:00:02,592] INFO - kafkaEventAdapterServiceDS Successfully deployed the kafka output event adaptor service
[2024-02-20 11:00:02,724] INFO - TemplateDeployerServiceTrackerDS Successfully deployed the execution manager tracker service
[2024-02-20 11:00:04,561] INFO - ServiceComponent Eventing Hub ServiceComponent is activated
[2024-02-20 11:00:05,202] WARN - Digestor Hatch [Server/Service/Engine/Host/Valve] failed to set property [maxDays] to []
[2024-02-20 11:00:06,204] INFO - ConsentManagerComponent ConsentManagerComponent is activated.
[2024-02-20 11:00:06,336] INFO - BinaryDataReceiverServiceComponent Binary Data Receiver server activated
[2024-02-20 11:00:06,351] INFO - DataBridgeDS Successfully deployed Agent Server
[2024-02-20 11:00:06,535] INFO - TenantAssociationServiceComponent Organization management related TenantAssociationManagementListener registered successfully.
[2024-02-20 11:00:06,966] INFO - EmbeddedRegistryService Configured Registry in 130ms
[2024-02-20 11:00:06,996] INFO - EmbeddedRegistryService Connected to mount at configregistry in 6ms
[2024-02-20 11:00:06,996] INFO - EmbeddedRegistryService Connected to mount at govregistry in 7ms
[2024-02-20 11:00:07,066] INFO - EmbeddedRegistryService Connected to mount at configregistry in 6ms
[2024-02-20 11:00:07,066] INFO - EmbeddedRegistryService Connected to mount at govregistry in 6ms
[2024-02-20 11:00:07,069] INFO - RegistryCoreServiceComponent Registry Mode : READ-WRITE
[2024-02-20 11:00:07,278] INFO - JmxReporterBuilder Creating JMX reporter for Metrics with domain 'org.wso2.carbon.metrics'
[2024-02-20 11:00:07,283] INFO - AbstractReporter Started JMX reporter for Metrics
[2024-02-20 11:00:10,450] INFO - SolrClient Default Embedded Solr Server Initialized
[2024-02-20 11:00:11,016] INFO - UserStoreMgtDSComponent Carbon UserStoreMgtDSComponent activated successfully.
[2024-02-20 11:00:13,372] INFO - UserStoreConfigurationDeployer User Store Configuration Deployer initiated.
```

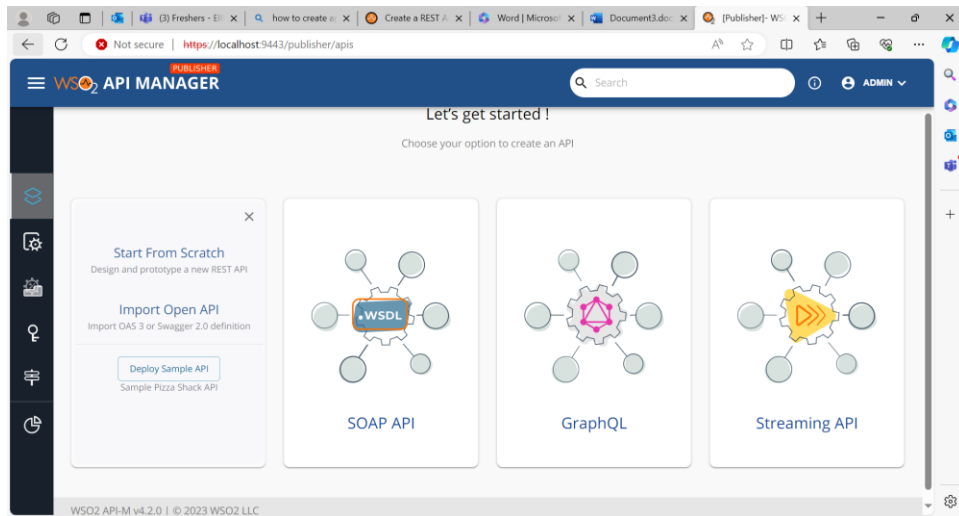
- 1) <https://localhost:9443/publisherw> run the link and this page will get appeared



2) Click the REST API



3) Click Start from Scratch



4) Now here we want to create an API Enter the Endpoint as Jasonplaceholder Link

The screenshot shows the 'Create an API' form in the WSO2 API Manager. The form has the following fields:

- Name:** SampleAPI
- Context:** /sample
- Version:** 1.0.0
- Endpoint:** https://jsonplaceholder.typicode.com/todos/1

Below the fields, there is a note: 'API will be exposed in /sample/1.0.0 context at the gateway'. At the bottom of the form, there are three buttons: 'Create', 'Create & Publish', and 'Cancel'. A 'Mandatory fields' error message is visible next to the Endpoint field.

5) This is the SampleAPI page which we created

The screenshot shows the 'SampleAPI : 1.0.0' overview page in the WSO2 API Manager. The page has a sidebar with navigation options: Overview, Develop, Deploy, Test, and Publish. The main content area shows the API details and a lifecycle diagram.

API Details:

- Name:** SampleAPI
- Version:** 1.0.0
- State:** CREATED
- Created by:** admin

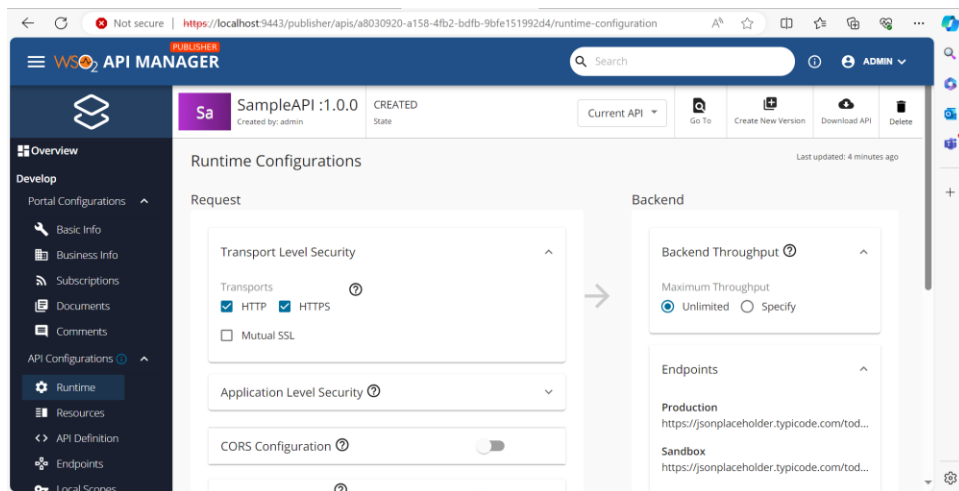
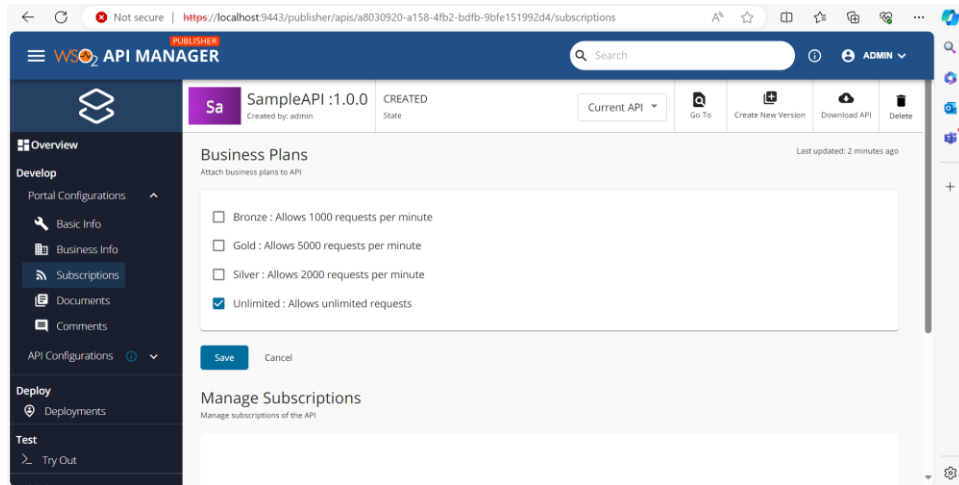
Lifecycle Diagram:

```
graph LR; Develop((Develop)) --> Deploy((Deploy)); Deploy --> Test((Test)); Test --> Publish((Publish));
```

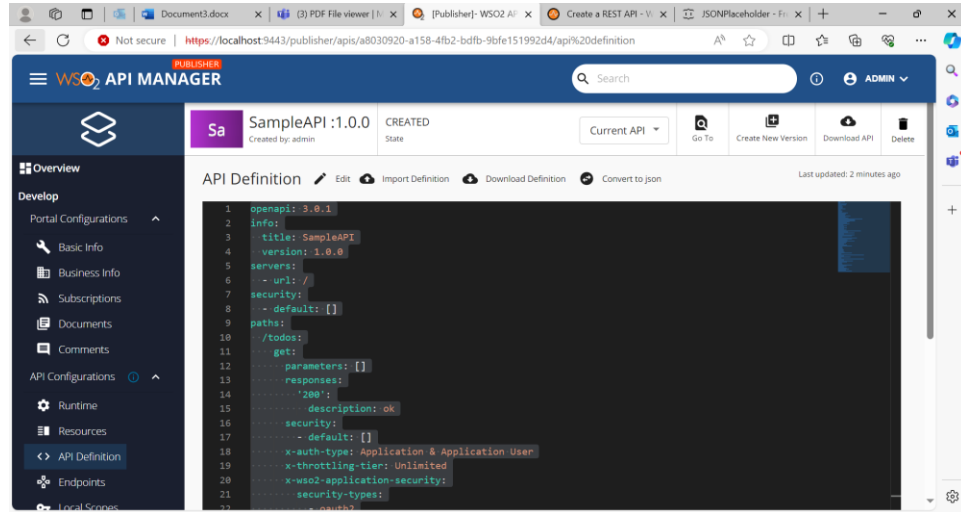
Configuration:

Context:	Configuration
Description	-
Provider	admin
Context	/sample
Version	1.0.0
Transports	HTTP, HTTPS
API Security	OAuth2
Access Control	None
Workflow Status	-

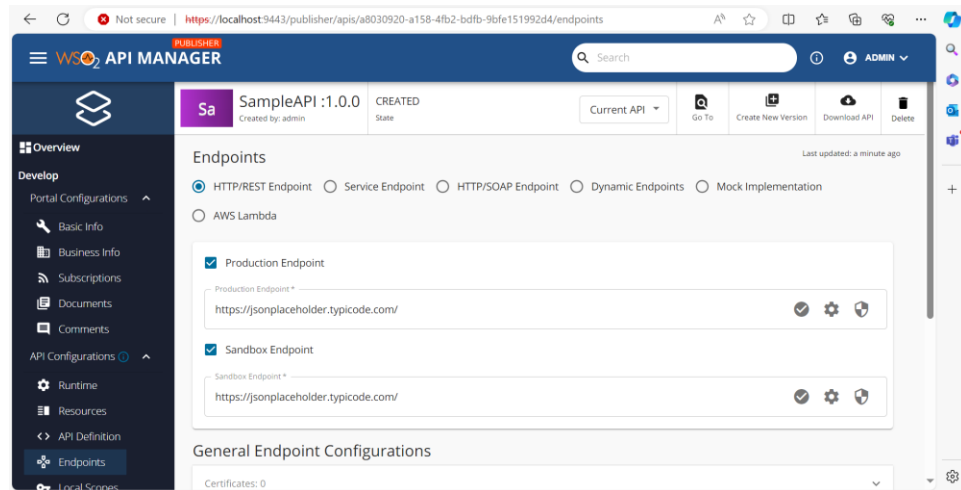
6) Now check Subscription as we want to click Unlimited: Allows unlimited requests



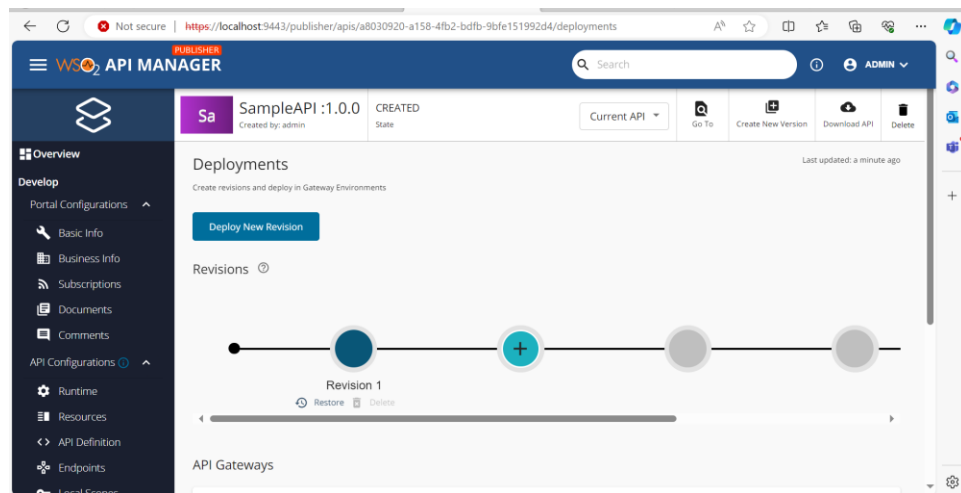
7) In API Definition this is YAML code



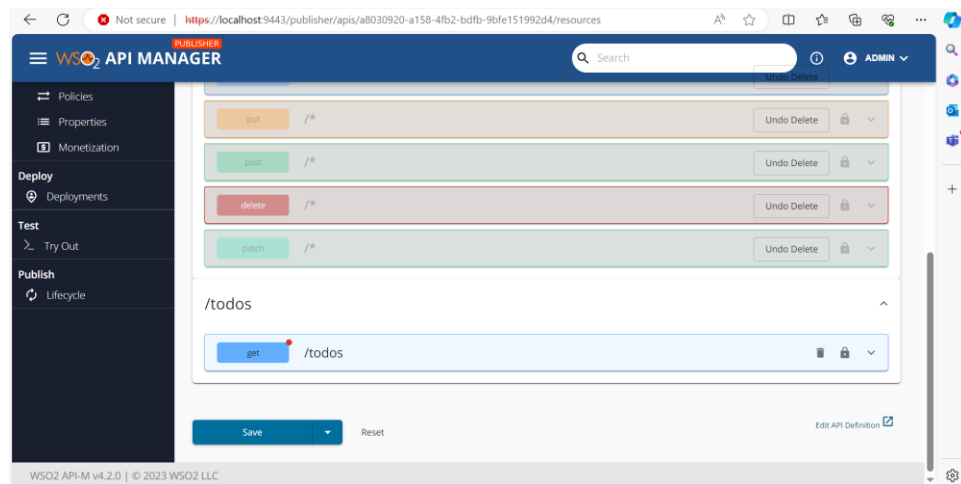
8) Give endpoints as Json placeholder



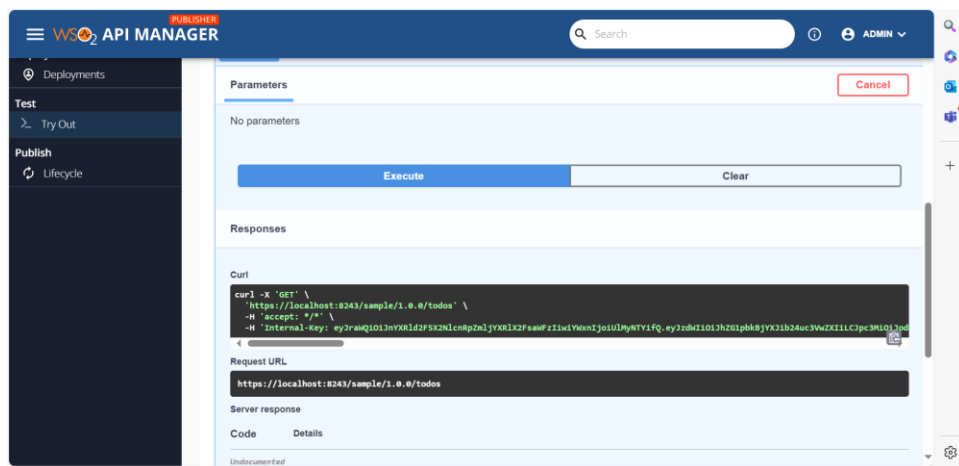
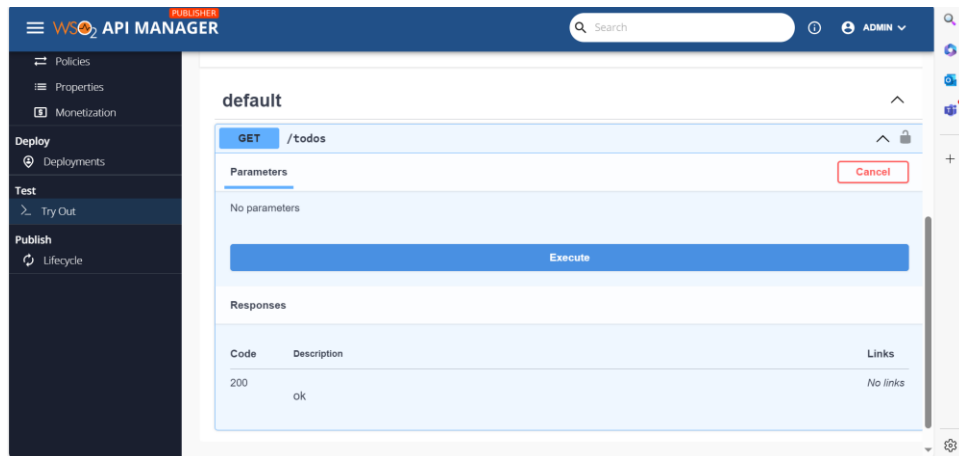
9) This is our deployment Page



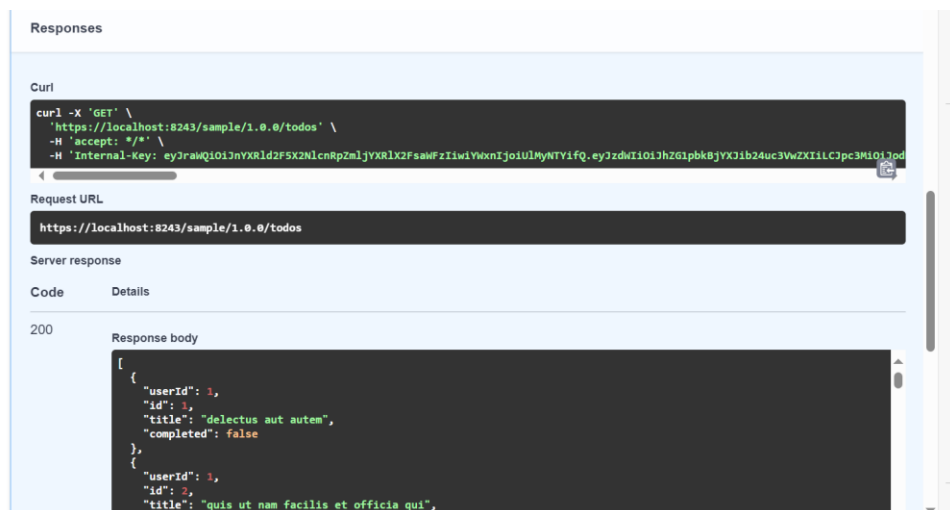
10) In Test select TryOut first delete all resources and create new resource here I am selecting todos and click save



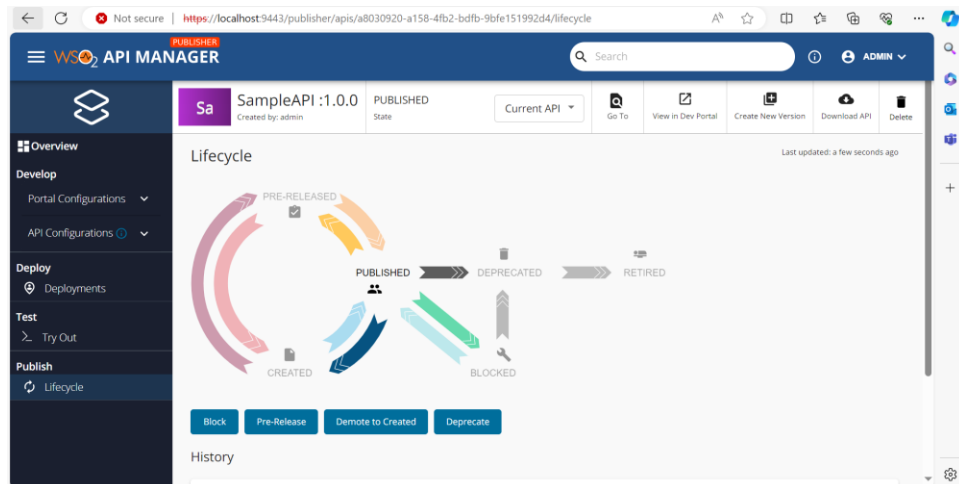
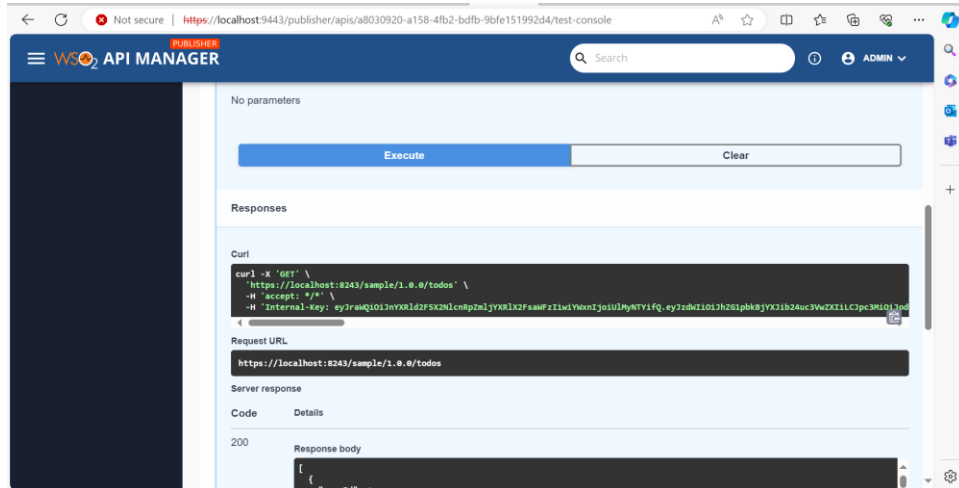
11) Click Try it out and click execute



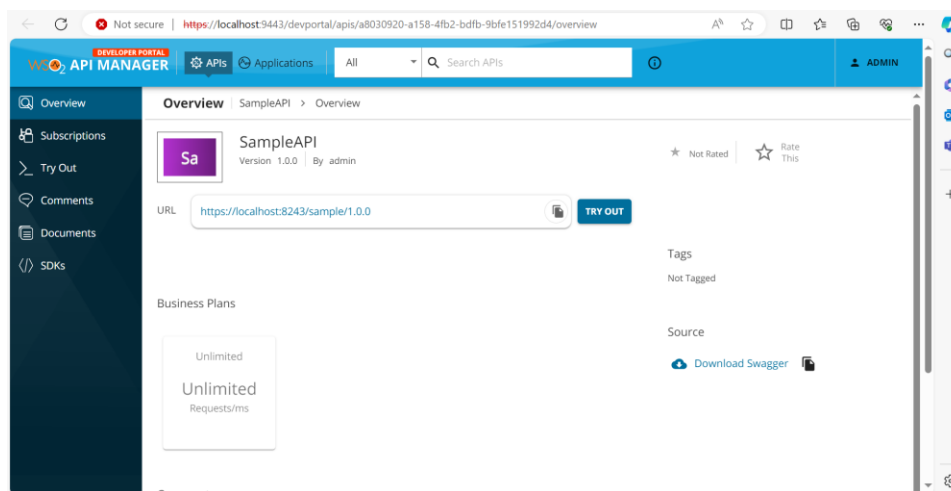
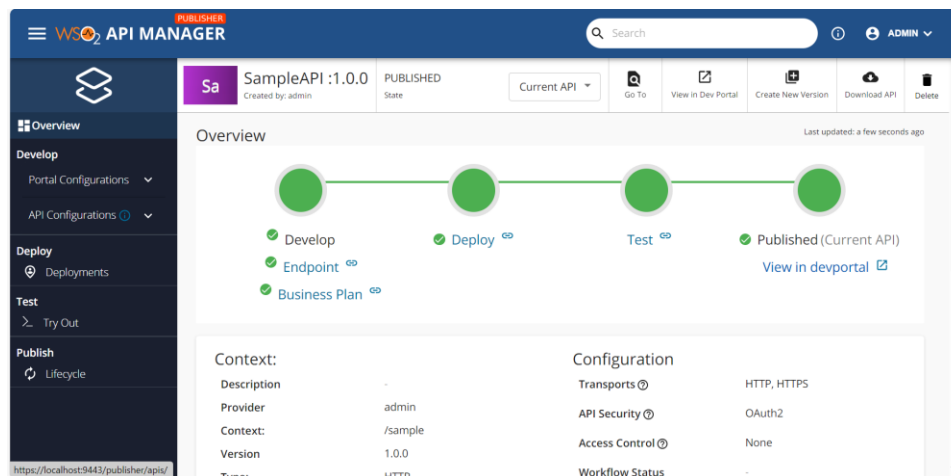
12) Now the code runs successfully



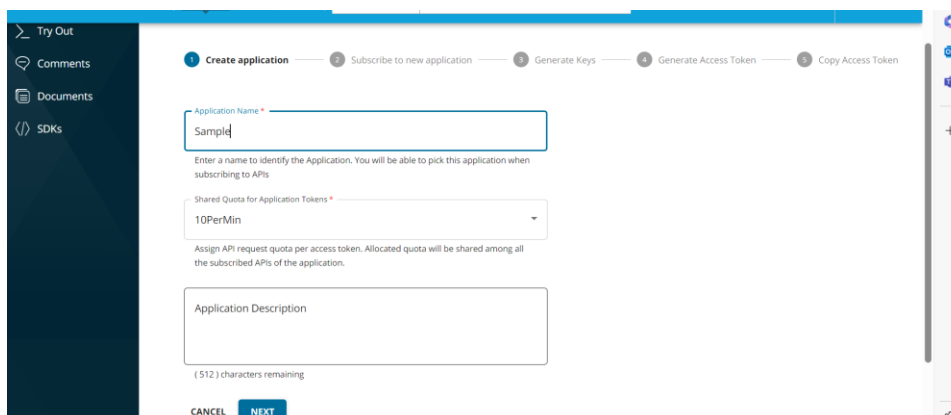
13) Copy the Request URL Link

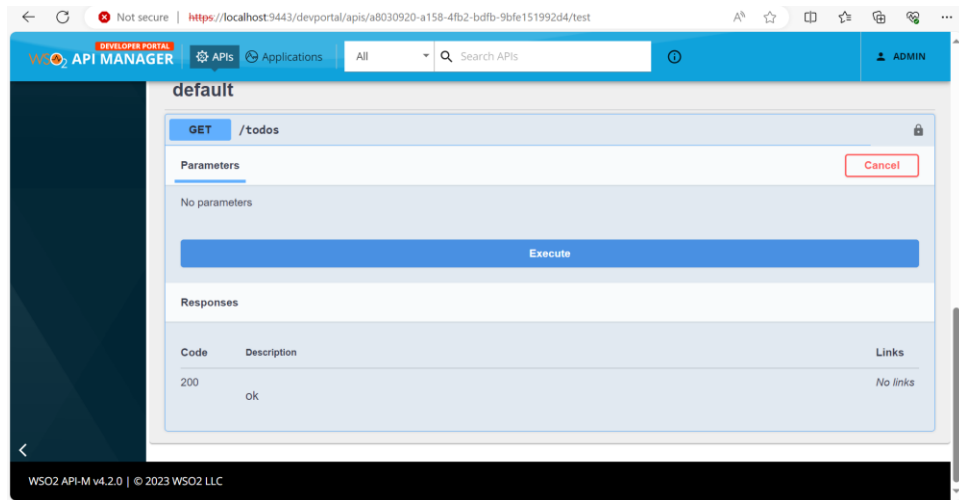


14) Here our API is Developed, Deployed, and Published Successfully

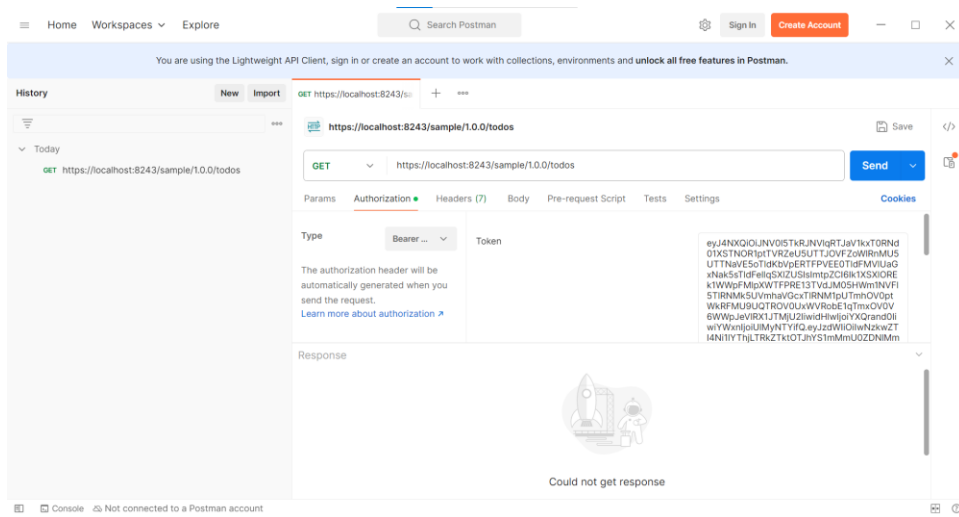


15) Here we are getting subscription





16) In PostMan paste the requested URL link and Subscription Token Link, give type as Bearer and click Send



17) Our output will display below.

