

# Quick Start Guide - API Management

This section is a step-by-step guide to create, publish, and invoke an API using the **WSO2 API Manager (WSO2 API-M)** Publisher and Developer Portal.

## Before you begin...

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1. Install [Oracle Java SE Development Kit \(JDK\)](http://java.sun.com/javase/downloads/index.jsp) [http://java.sun.com/javase/downloads/index.jsp] version 11 and set the `JAVA_HOME` environment variable.

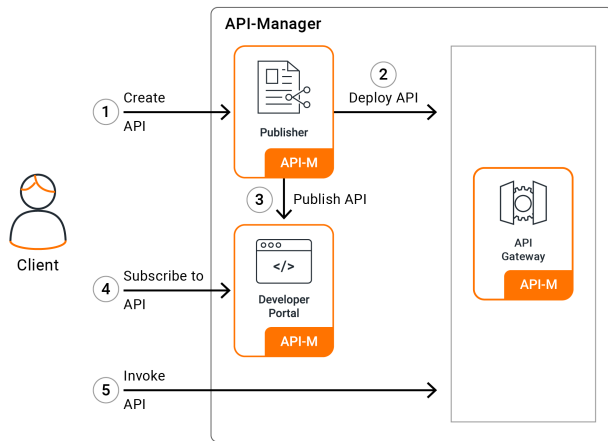
For more information on setting the `JAVA_HOME` environment variable for different operating systems, see [Setup and Install](https://apim.docs.wso2.com/en/4.0.0/install-and-setup/install/installing-the-product/installing-api-m-runtime/) [https://apim.docs.wso2.com/en/4.0.0/install-and-setup/install/installing-the-product/installing-api-m-runtime/].

2. [Download version 4.0.0 of WSO2 API-M](https://wso2.com/api-management/) [https://wso2.com/api-management/].
3. Start WSO2 API-M by navigating to the `<API-M_HOME>/bin` directory using the command-line and execute the following command.
  - `api-manager.bat --run` (for Windows)
  - `sh api-manager.sh` (for Linux)

## What you'll build

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In this sample scenario, you implement a full lifecycle of an API using WSO2 API Manager.



[[https://apim.docs.wso2.com/en/4.0.0/assets/img/get\\_started/apim-qsg-diagram.png](https://apim.docs.wso2.com/en/4.0.0/assets/img/get_started/apim-qsg-diagram.png)]

1. Creating and publishing an API via the Publisher Portal of WSO2 API-M.
2. Deploy the API in a Gateway environment.
3. Publish the API in the Developer Portal.
4. Subscribing to the API via the Developer Portal of WSO2 API-M and generating keys.
5. Invoking the API with the generated keys.

Let's get started...

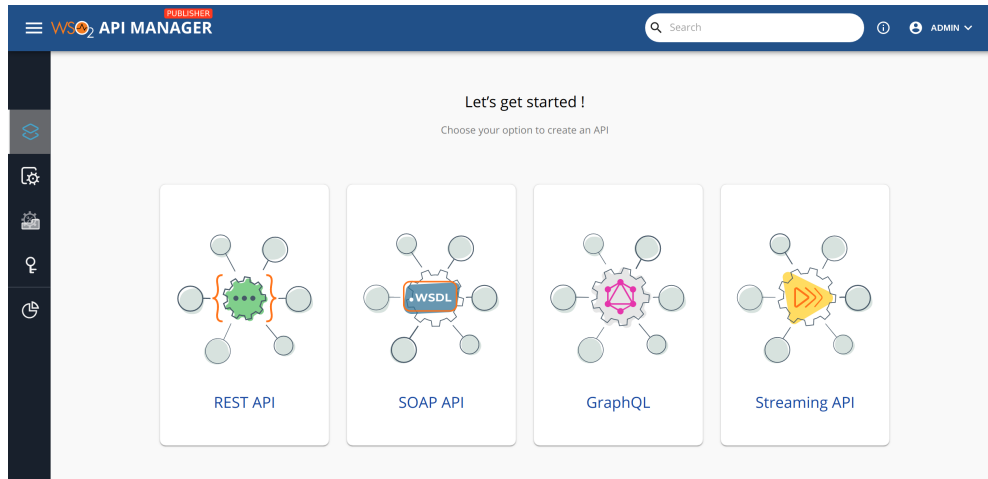
## Step 1 - Create and publish an API

Follow the instructions below to create and publish an API via the Publisher Portal of WSO2 API-M.

1. Navigate to the Publisher Portal.

<https://localhost:9443/publisher> [<https://localhost:9443/publisher>]

## 2. Sign in with `admin/admin` as the credentials.



[https://apim.docs.wso2.com/en/4.0.0/assets/img/get\_started/api-publisher-home.png]

## 3. Create an API.

Let's use a mock REST service to create a REST API from scratch.

A mock service with a JSON response `{"hello": "world"}` is provided by default when you use the service URL as

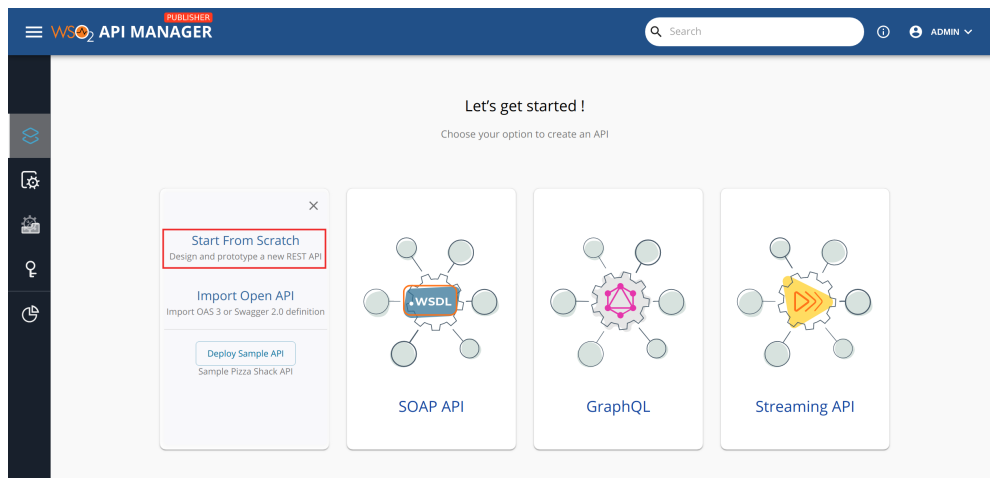
`http://run.mocky.io/v2/5185415ba171ea3a00704eed`, which appears in the <https://designer.mocky.io/> [https://designer.mocky.io/] mock service. Let's use the HTTP protocol instead of the HTTPS protocol for this guide.

### Tip

Optionally, to test this service, copy the service URL <http://run.mocky.io/v2/5185415ba171ea3a00704eed> [http://run.mocky.io/v2/5185415ba171ea3a00704eed] and navigate to it on a new browser. You should see the following JSON message.

```
{"hello": "world"}
```


## 4. Select **REST API** from the home screen and then click **Start From Scratch**.



[https://apim.docs.wso2.com/en/4.0.0/assets/img/get\_started/design-new-rest-api.png]

## 5. Enter the API details.

Name	HelloWorld
Context	/hello
Version	1.0.0
Endpoint	http://run.mocky.io/v2/5185415ba171ea3a00704eed

 **Note**

**Use the HTTP protocol** because to use HTTPS you need to import the <https://designer.mocky.io/> [https://designer.mocky.io/] certificate into WSO2 API-M.