# **Set Up Environments**

Before setting up any API requests in Postman, we recommend you define and set up an environment for production and for sandbox. Each environment contains variables which are available for selection across all API requests.

This guide shows the steps to:

- <u>Set up a Production environment</u>.
- <u>Set up a Sandbox environment</u> (individually and by duplicating the publication environment).
- <u>Set up Parent level Authorisation</u> (allowing you to easily switch between environments).

#### **Before you begin**

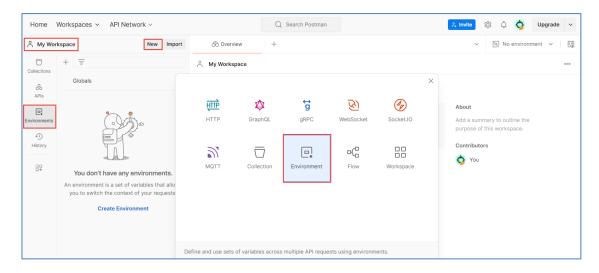
You must have:

- <u>Registered</u> in the <u>MBIE API developer portal website</u> and <u>subscribed</u> to the NZBN API. Once approved for access you can retrieve API subscriber keys that allow you access to production and sandbox.
- Registered and signed in to Postman (the premium API testing tool) and imported the NZBN API.

### Set up a Production Environment

This example shows how to set up your **production** environment and variables to use for any type of API request you create in Postman.

1. In **My Workspace**, select **Environments** (on the left).



#### 2. Click New then select Environments option. A New Environment record displays.

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- 3. To rename the New Environment:
  - Click the ellipses (three dots) next to **New Environment** and select **Rename** from the drop-down list.
  - Rename the environment to **Prod Environment**, (or any name that identifies it for you).

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• Click **No Environment** in the top right of the screen and select **Prod Environment** from the drop-down list.

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- 4. Add variables for the Prod Environment:
  - Click in the **Variable** field and enter the name of the variable for production, (e.g. baseUrl).

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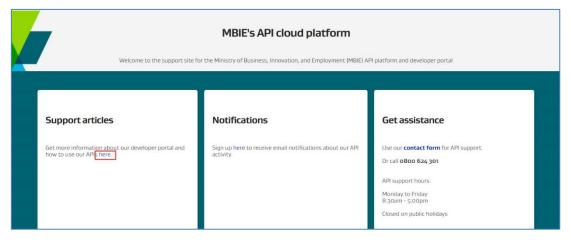
 Go to API operations on the NZBN website and under Production and sandbox environments heading on the right, copy the production url, (e.g. https://api.business.govt.nz/gateway/nzbn/v5) to the clipboard.

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		and sandbox environments
	and a second	approved you will have access to production and sandbox API products and can generate API keys for these. The endpoint PI operation details below are for production access using your production API subscription key in the form:
	https://api.business.govt.r	nz/gateway/[(resource path])
		nvironment during your development and testing you will need to use the different address format shown below, with your in the Ocp-Apim-Subscription-Key header.
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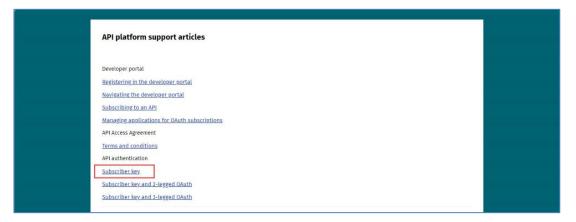
- Return to the **Prod Environment** screen in Postman and paste the link from the clipboard into the **Initial value** field and the **Current value** field for the **baseUrl** variable.
- 5. To add the header variable:
  - Click into the Variable field on the next row and enter the name, (e.g. Header key).

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• Return to the NZBN API website and click **Support**. **MBIE's API cloud platform** screen displays.



• Under Support articles click 'here' to display the API platform articles.



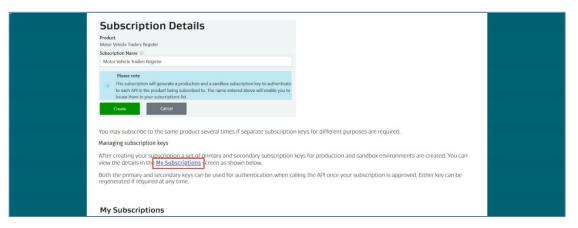
• Click Subscriber key. Your API subscription and authorisations display.

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Calling an API						

- Copy the subscription key, **Ocp-Apim-Subscription-Key** (located at the bottom of the screen) to the clipboard.
- Return to the **Prod Environment** screen in Postman and paste the link from the clipboard into the **Initial value** field and the **Current value** field for the **Header key** variable.
- 6. To add the second authorisation variable, (e.g. Simple auth):
  - Click into the Variable field on the next row and enter the name, (e.g. Sub-key).

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• Return to the **API Subscriptions** on the website to get the value for the API Sub-key.



• Click **My Subscriptions** to display your subscriptions list.

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- Locate the NZBN Simple auth subscription and click Show next to either the Primary key or the Secondary key row to display the hidden key. Copy this key to the clipboard.
- Return to the Prod Environment screen in Postman and paste the key from the clipboard into the Initial value field and the Current value field for the Sub-key variable.

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Note: The Sub-key values in this screen have been intentionally blurred.

- 7. Click Save.
- 8. Determine your next step:
  - To create a sandbox environment, go to Set up a sandbox environment.
  - To create an authorisation at the parent level for your environment(s) to reference, go to <u>Set up parent level Authorisation</u>.

# Set up a Sandbox Environment

This example shows how to set up a sandbox (testing) environment and variables to use for any type of API request you create in Postman.

You can create a new sandbox environment as described above in <u>Set up a Production Environment</u>. Ensure you update the following variables to:

- change the baseUrl path to the sandbox url, https://api.business.govt.nz/sandbox/nzbn/v5.
- change the **Sub-key** values to the hidden key for **NZBN Simple auth (Sandbox)** obtained from **My Subscriptions** on the website.

An easier way to create a new sandbox environment is to duplicate the production environment already created, and change variables s shown in the following steps.

1. **My Workspace**, select Environments, click the ellipses (three dots) next to the name of an existing environment, (e.g. Prod Environment) and select **Duplicate**.

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*Note:* The Sub-key values in this screen have been intentionally blurred.

A duplicate environment displays.

- Click the ellipses next to the duplicate environment and select **Rename** from the drop-down list.
- Rename the environment to **Sand Environment**, (or any name that identifies it for you).
- Click **Environment** in the top right of the screen and select **Sand Environment** from the drop-down list.

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*Note:* The Sub-key values in this screen have been intentionally blurred.

2. Update variables for the sandbox environment:

- Change the baseUrl variable's Initial value and Current value fields to reference the sandbox url, (e.g. https://api.business.govt.nz/sandbox/nzbn/v5).
- Delete Sub-key variable values in the Initial value and Current value fields.

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• Go to the **My Subscriptions** on the website to your subscriptions list and get the Value for the API Sub-key.

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- Locate the NZBN Simple auth (Sandbox) subscription and click Show next to either the Primary key or the Secondary key row to display the hidden key. Copy this key to the clipboard.
- Return to the **Prod Environment** screen in Postman and paste the link from the clipboard into the **Initial value** field for the Sub-key and into the **Current value** field.

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*Note:* The Sub-key values in this screen have been intentionally blurred.

3. Click Save.

## **Set up Parent Level Authorisation**

Once you set up your production and/or sandbox environments in Postman you can create an Authorisation at a parent level. Any API requests you create will then automatically reference this parent in the environment you select.

1. In My Workspace, select NZBN (on the left).

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2. In the Auth Type drop-down list, select API key.

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3. Select the environment you require in the top right of the screen, (e.g. **Prod Environment**).

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- 4. To complete the fields in the **Authorization** screen:
  - Click in the **Key** field and type **{{** (two curly brackets) to display the Prod Environment variables.

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- Select **Header key** from the drop-down list to add the variable to the **Key** field.
- Click in the **Value** field and type {{ (two curly brackets) to display the Prod Environment variables again.

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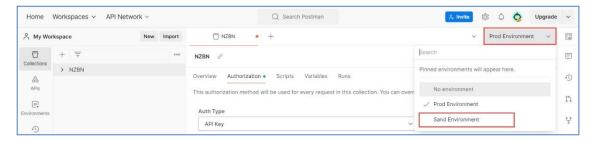
*Note:* The Sub-key values in this screen have been intentionally blurred.

- Select **Sub-key** from the drop-down list to add the variable to the **Value** field.
- In the Add to field, select Header from the drop-down list.

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5. Click Save to save your parent level Authorisation.

- 6. To change the authorisation from Production Environment to Sandbox Environment:
  - Select **Sand Environment** from the drop-down list in the top right of the screen.



- The variable in the **Key** field automatically changes to the sandbox environment.
- 7. To view the variable, hover over the **Value** field and you will see it references sandbox hidden key:

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*Note:* The Sub-key values in this screen have been intentionally blurred.