

# 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:

- [Set up a Production environment](#).
- [Set up a Sandbox environment](#) (individually and by duplicating the publication environment).
- [Set up Parent level Authorisation](#) (allowing you to easily switch between environments).

## Before you begin

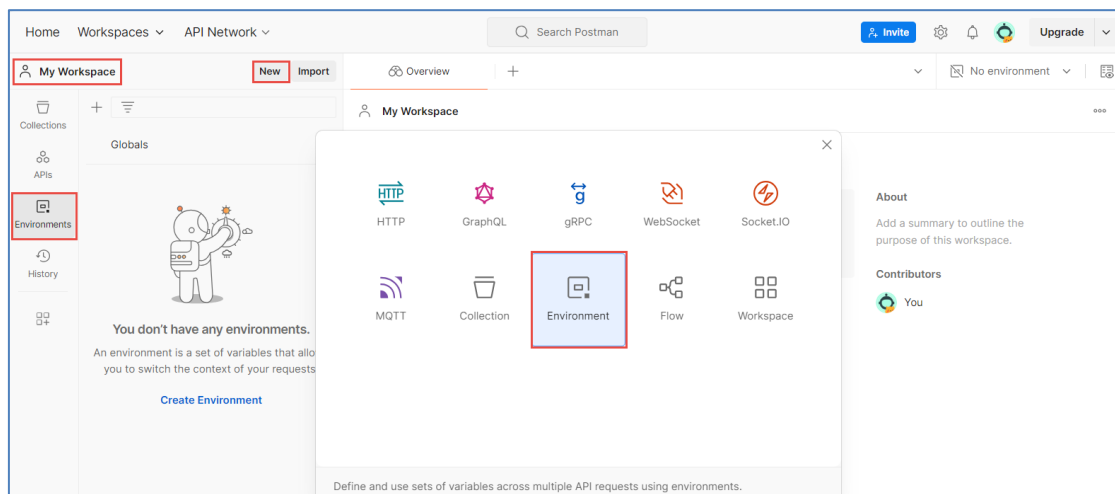
You must have:

- [Registered](#) in the [MBIE API developer portal website](#) and [subscribed](#) 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.

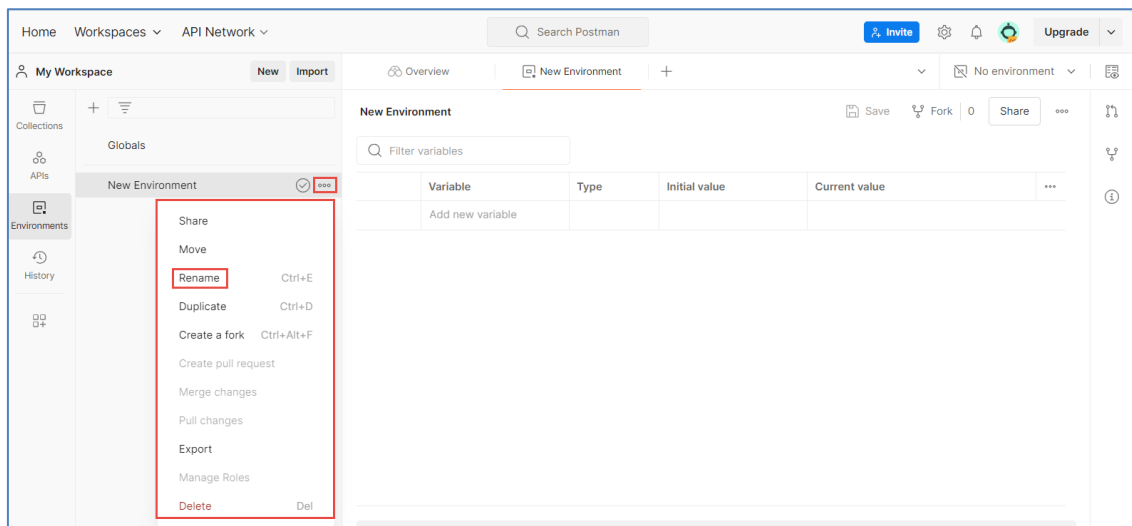
## Set up a Production Environment

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).

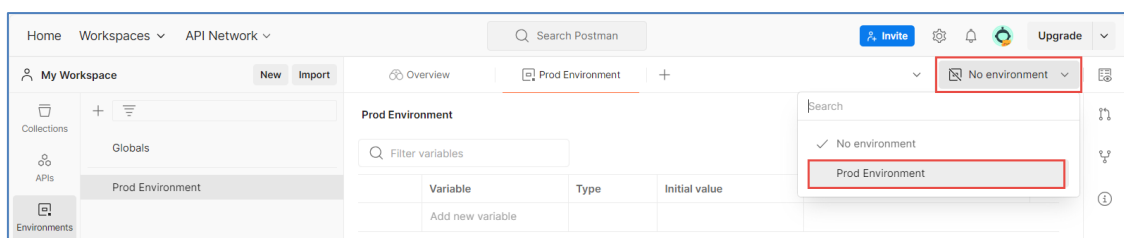


2. Click **New** then select **Environments** option. A New Environment record displays.

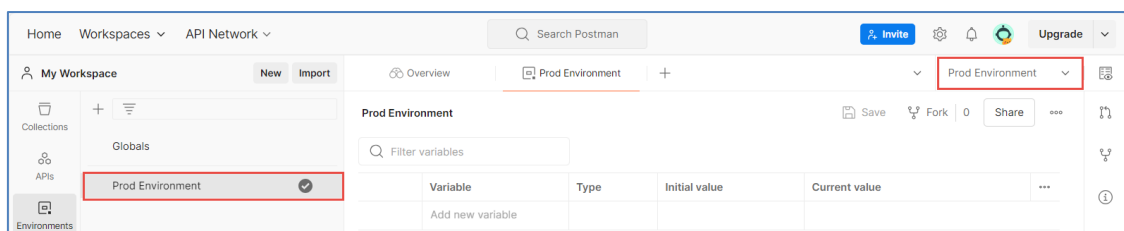


3. To rename the New Environment:

- 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).

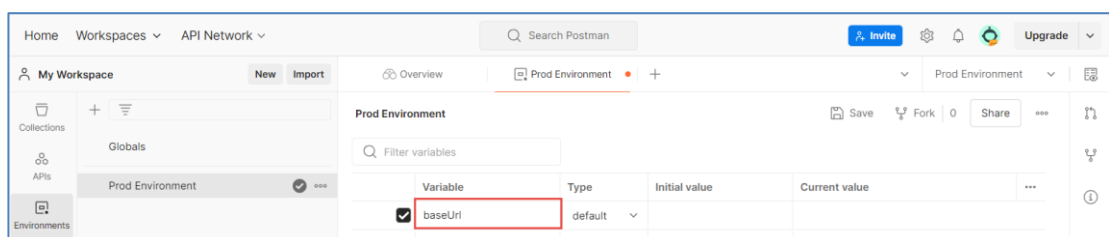


- Click **No Environment** in the top right of the screen and select **Prod Environment** from the drop-down list.



4. Add variables for the Prod Environment:

- Click in the **Variable** field and enter the name of the variable for production, (e.g. `baseUrl`).



- 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.

**API Information**

You must subscribe to a product to access an API. At the end of that process you will be able to use test (sandbox) environment subscription keys to begin development. When you have completed testing, simply use the production keys to access the live services. Click [here](#) for more details.

**Products**

This API belongs to the following product(s). Click a product name to subscribe.

Search products

Name	Description
NZBN	Subscribe to this product to gain access to the NZBN API.

**Production and sandbox environments**

After your subscription is approved you will have access to production and sandbox API products and can generate API keys for these. The endpoint addresses shown in the API operation details below are for production access using your production API subscription key in the form:

[https://api.business.govt.nz/gateway/\[\[resource path\]\]](https://api.business.govt.nz/gateway/[[resource path]])

To use our sandbox test environment during your development and testing you will need to use the different address format shown below, with your sandbox subscription key in the Ocp-Apim-Subscription-Key header.

[https://api.business.govt.nz/sandbox/\[\[resource path\]\]](https://api.business.govt.nz/sandbox/[[resource path]])

- 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**).

Variable	Type	Initial value	Current value
<input checked="" type="checkbox"/> baseUrl	default	https://api.business.govt...	https://api.business.govt.nz/gateway/...
<input checked="" type="checkbox"/> Header key	default		

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

**MBIE's API cloud platform**

Welcome to the support site for the Ministry of Business, Innovation, and Employment (MBIE) API platform and developer portal

**Support articles**

Get more information about our developer portal and how to use our APIs [here](#).

**Notifications**

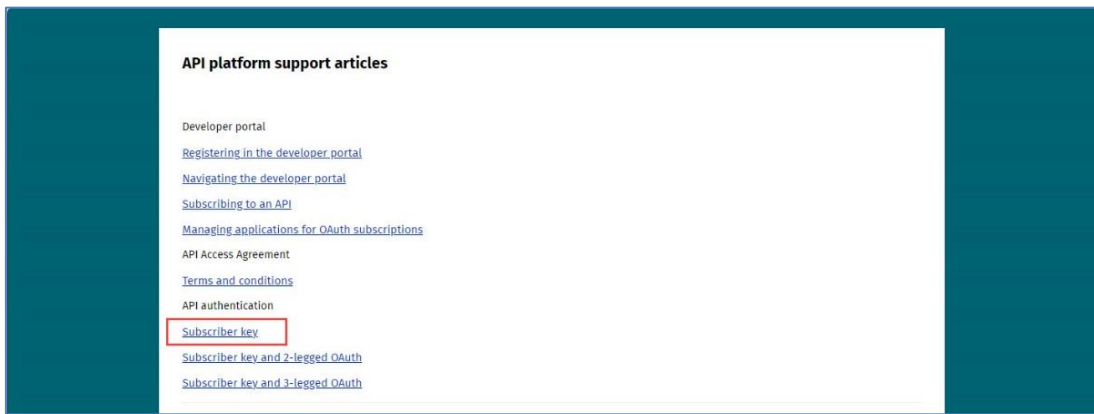
Sign up here to receive email notifications about our API activity.

**Get assistance**

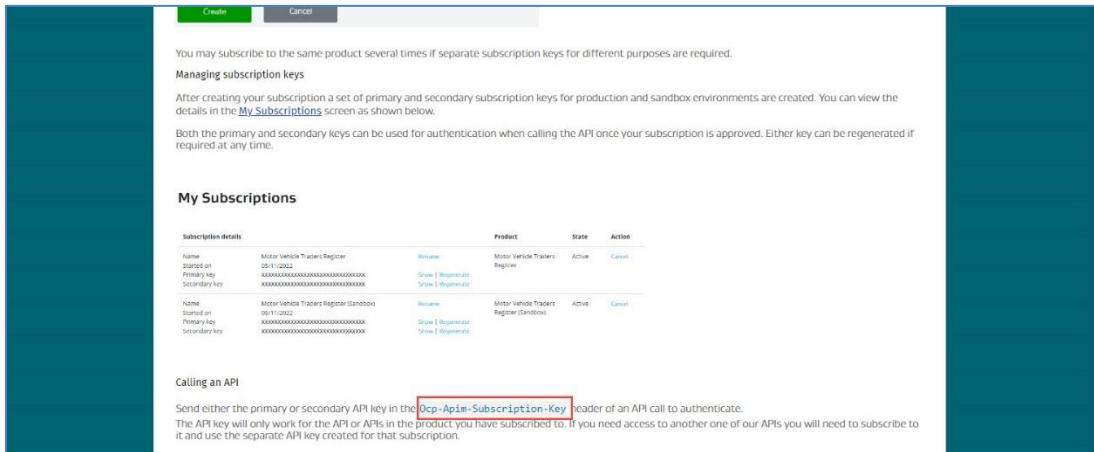
Use our **contact form** for API support.  
Or call **0800 624 301**

API support hours:  
Monday to Friday  
8:30am - 5:00pm  
Closed on public holidays

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



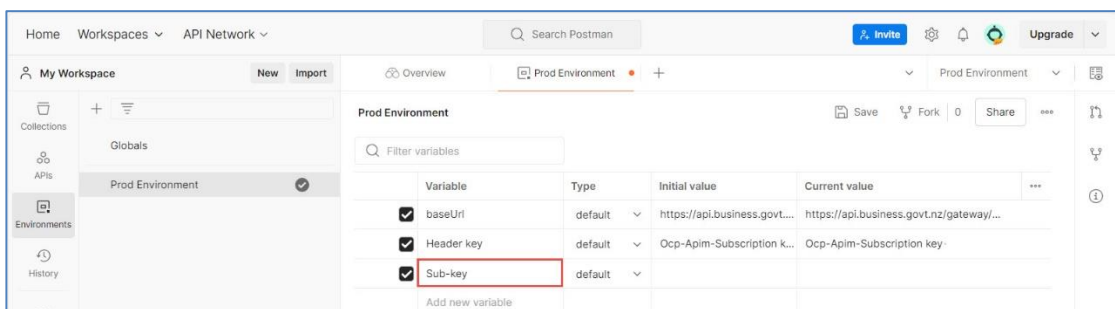
- Click **Subscriber key**. Your API subscription and authorisations display.



- 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**).



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



## Set up a Sandbox Environment

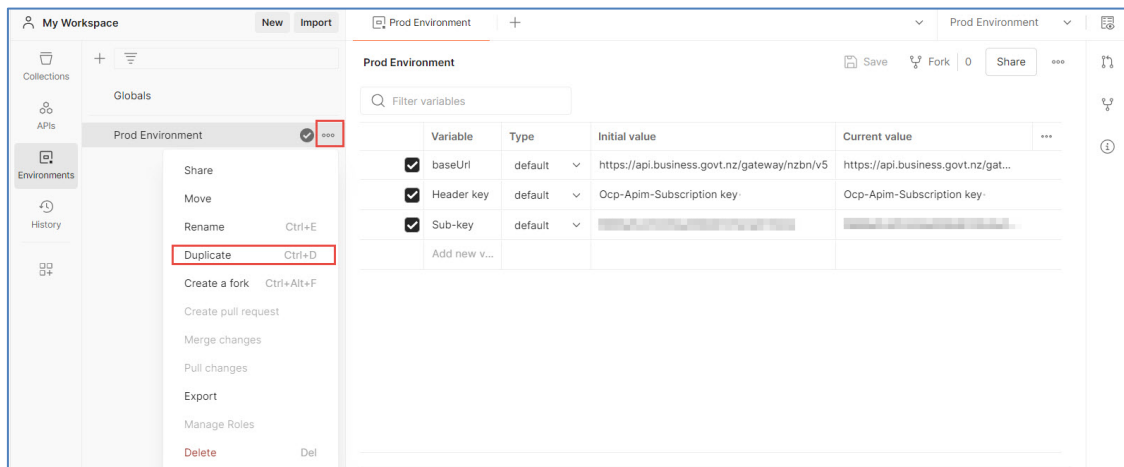
This example shows how to set up a sandbox (testing) environment and variables to use for any type of API request you create in Postman.

You can create a new sandbox environment as described above in [Set up a Production Environment](#). 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.

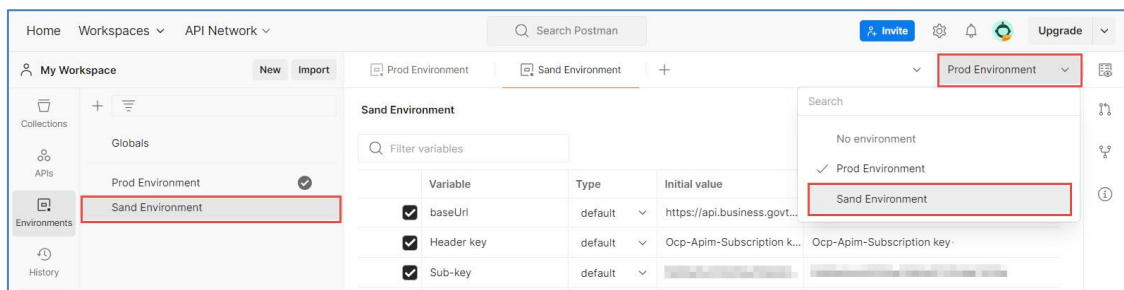
1. **My Workspace**, select Environments, click the ellipses (three dots) next to the name of an existing environment, (e.g. Prod Environment) and select **Duplicate**.



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

A duplicate environment displays.

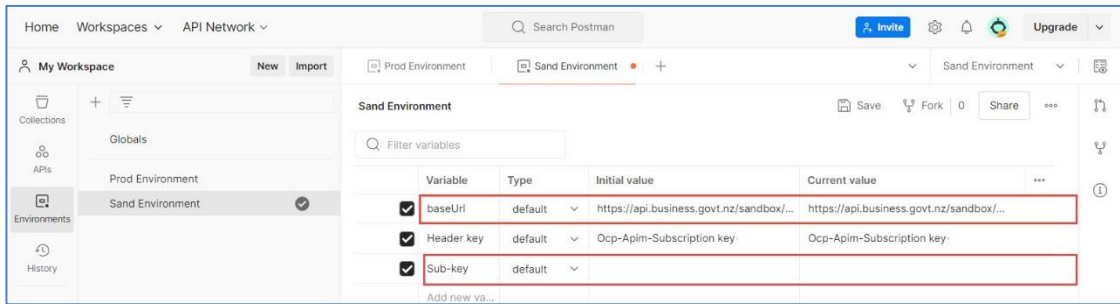
- Click the ellipses next to the duplicate environment and select **Rename** from the drop-down list.
- Rename the environment to **Sand Environment**, (or any name that identifies it for you).
- Click **Environment** in the top right of the screen and select **Sand Environment** from the drop-down list.



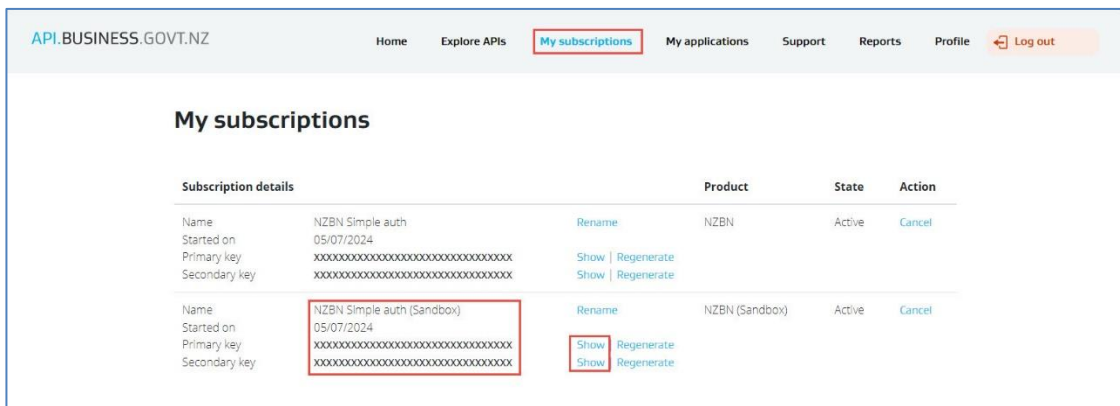
**Note:** The Sub-key values in this screen have been intentionally blurred.

2. Update variables for the sandbox environment:

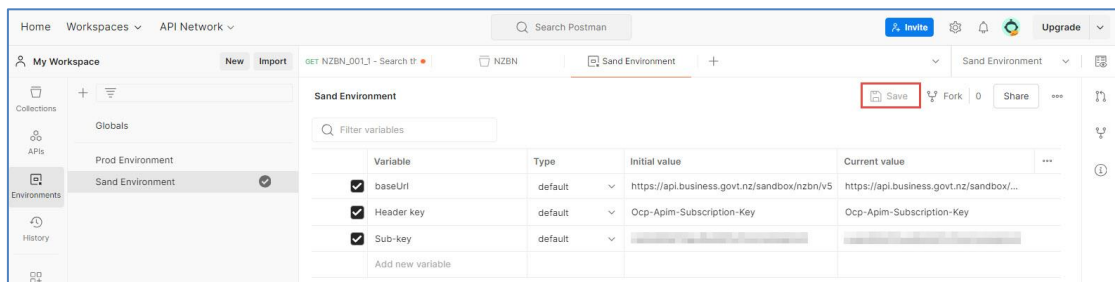
- Change the **baseUrl** variable's **Initial value** and **Current value** fields to reference the sandbox url, (e.g. <https://api.business.govt.nz/sandbox/nzbn/v5>).
- Delete **Sub-key** variable values in the **Initial value** and **Current value** fields.



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



- 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.



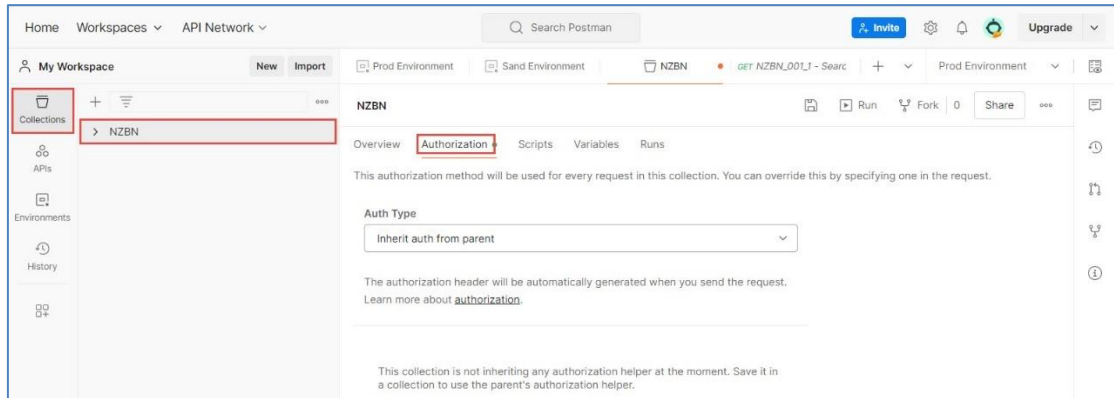
**Note:** The Sub-key values in this screen have been intentionally blurred.

3. Click **Save**.

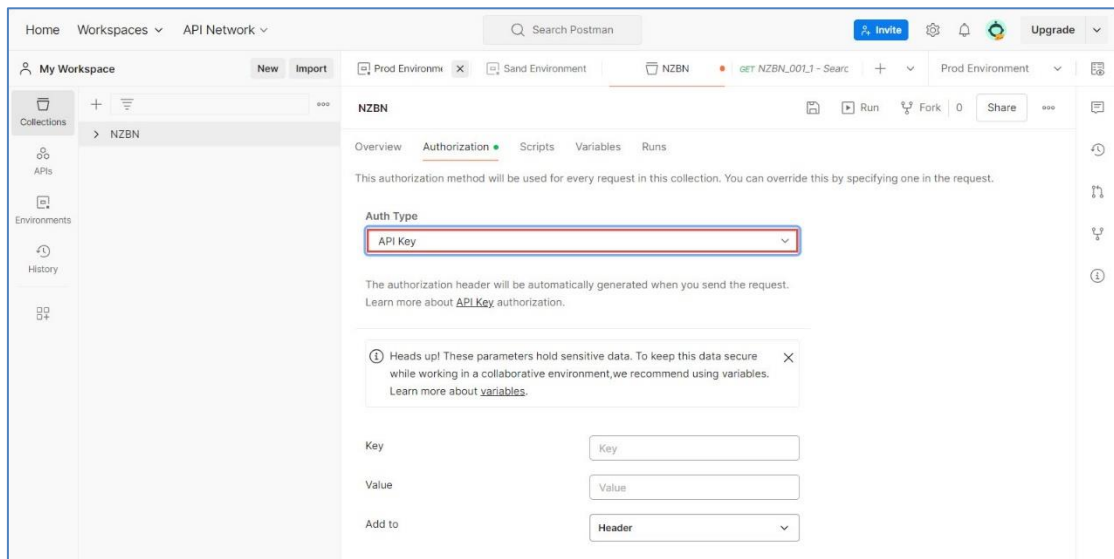
## Set up Parent Level Authorisation

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.

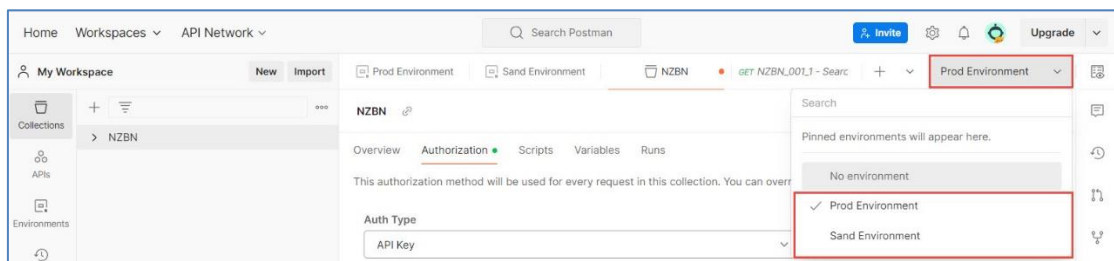
1. In **My Workspace**, select **NZBN** (on the left).



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



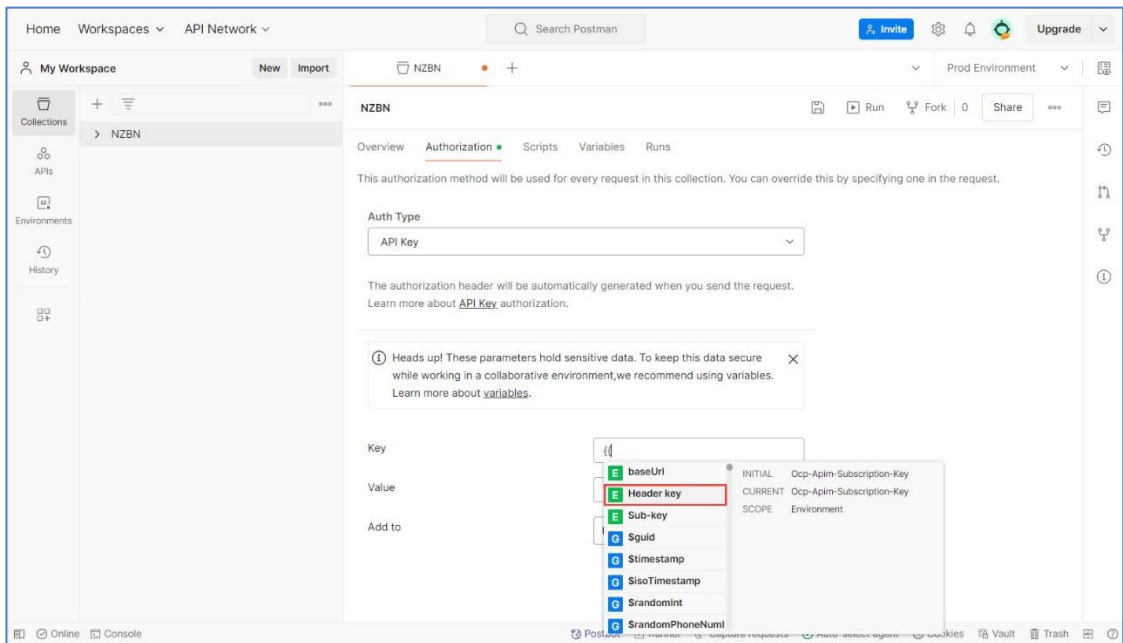
3. Select the environment you require in the top right of the screen, (e.g. **Prod Environment**).



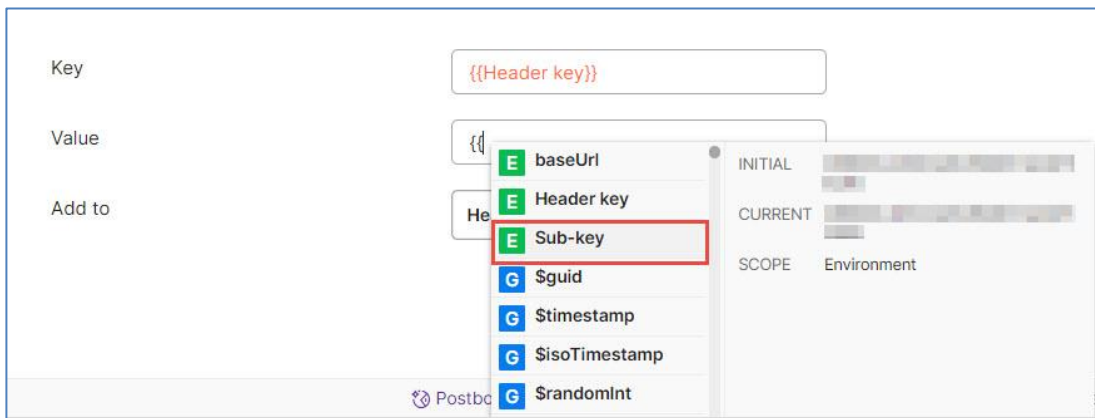
4. To complete the fields in the **Authorization** screen:

- Click in the **Key** field and type **{{** (two curly brackets) to display the Prod Environment variables.



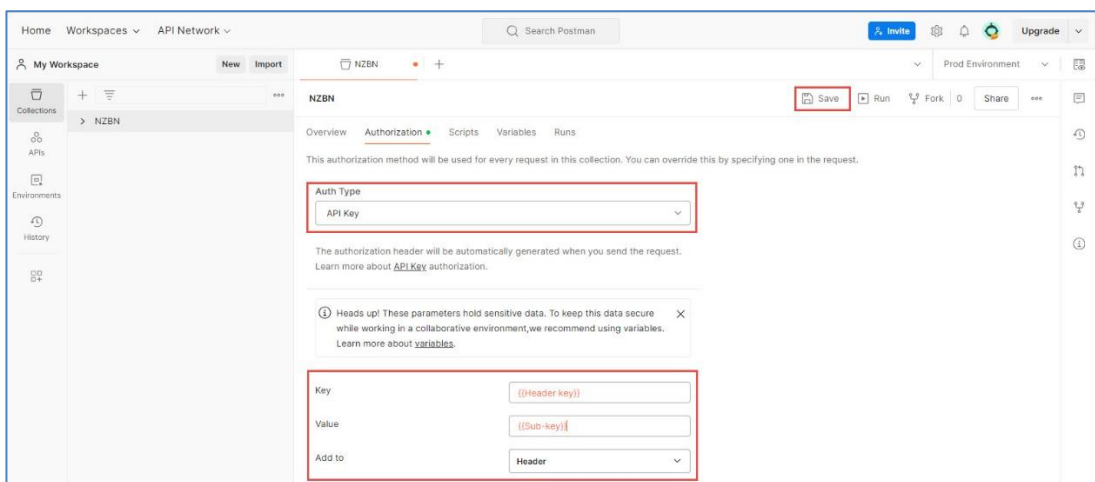


- Select **Header key** from the drop-down list to add the variable to the **Key** field.
- Click in the **Value** field and type **{{** (two curly brackets) to display the Prod Environment variables again.



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

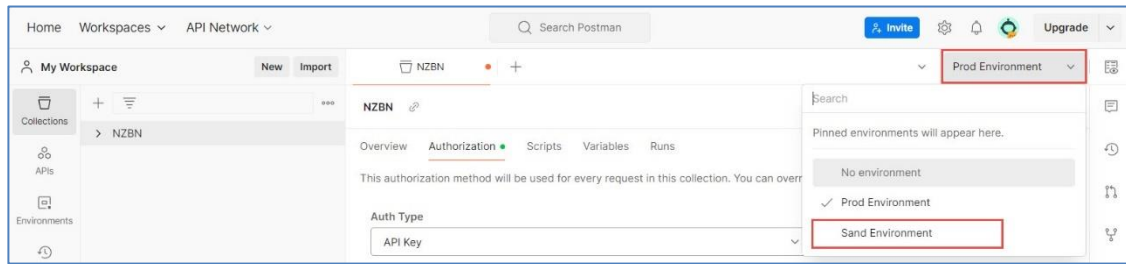
- Select **Sub-key** from the drop-down list to add the variable to the **Value** field.
- In the **Add to** field, select **Header** from the drop-down list.



5. Click **Save** to save your parent level Authorisation.

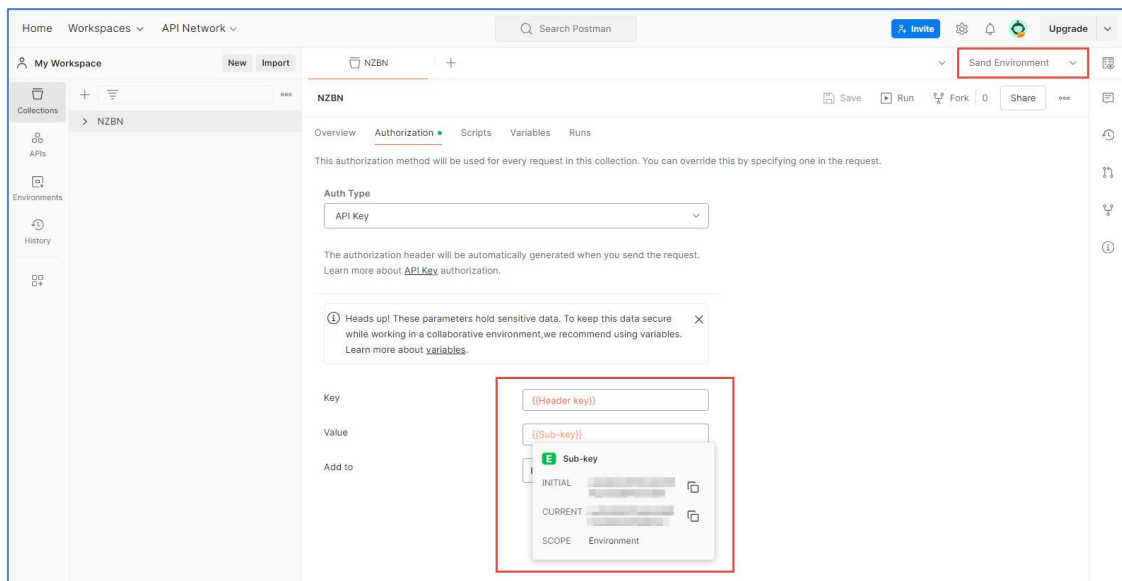
6. To change the authorisation from Production Environment to Sandbox Environment:

- 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:



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