Search for Changes to Entities

The NZBN API allows you to build search functionality into your own software that searches for any changes to businesses on the NZBN Register. You have the option to use this in a production or a sandbox environment.

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 and/or sandbox environment in Postman, see Quick Reference Guide *Set Up Environments*.

Create a search for NZBN entity changes

This example shows how to create a request to perform a text search between a date range for any changes to NZ businesses in the in the NZBN Register using Postman.

1. Select and expand the NZBN in your workspace in Postman.

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2. Expand Changes in the workspace tree then select NZBN_001_2 – Search NZBN entity changes.

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• The available parameters display for this search.

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

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Note: We recommend you set up a production environment and/or a sandbox environment before performing any API requests. These environments then automatically reference variables created at the NZBN parent level. Refer to Quick Reference Guide - *Set Up Environments*.

3. Click Authorisation and check the Auth Type is set to Inherit auth from parent.

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4. Click **Params** to return to the parameters screen. All parameters default as selected.

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• If required, click (Documentation icon) in the top right view the documentation for these parameters and scroll to see all details. This is the same information that displays on the NZBN API website.

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- Click **X** to close the Documentation panel.
- Alternatively, click the **Description** field for a parameter to view the documentation for that parameter.

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- 5. For this search, the mandatory field is **change-event-type**. Type (or paste) the value(s) over *<string>* in the **Value** column for this parameter.
- 6. To refine your search, use the **date-time-from** and any other parameter(s) relevant to this search. This also updates the **GET** statement above.

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• Click the box in front of any parameter to deselect those not required. All selected parameters must contain a value.

- 7. Click **Send** to perform the search. The results of your search display below in the Response area.
 - Hover the mouse over the top of the results area and drag it up to expand the search results area then scroll down to view all results.

Search Example

Request all changes of postal address and records addresses from 01 April 2024 to date then click **Send**.

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• Hover the mouse over the top of the results area and drag it up to expand the search results area then scroll down to view all results.

Note: The response time for your search is 2 minutes. If your request is taking longer to respond Postman displays an error message to advise. Adjust the date range parameters to a lesser period. We recommend a daily date range.

Alternatively, you could set up a Watchlist which would update you when changes occur, see Quick Reference Guide – *Watchlists*.