Steps to connect to the Planning London Datahub API:

1. Connect to the API endpoint at the following address – this has guest access for read-only access:
    a. https://planningdata.london.gov.uk/api-guest/
    b. If Authorisation is required, this should be set to No Auth
    c. Add a header :
        i. Key: X-API-AllowRequest
        ii. Value: be2rmRnt&
    d. Set the endpoint to the one you wish to use (see Examples section)
    e. Specify the Body accordingly (see Examples section)
    f. Send the request to the API

Please note that the data returned will be in JSON format.

Available Indices

The following indices are available:

- applications – the applications received, including all the nested data, such as residential units
- existing_proposed_floorspace_details – details about floorspaces for the application
- non-permanent_dwellings_details – details about non-permanent dwellings, such as traveller pitches and houseboat moorings within an application
- residential_units – details about each residential unit within an application
- other_resi_accommodation_unit_details – details about other residential accommodation units, such as hostels, hotels, etc. within an application
- open_spaces_details – details about open spaces within an application
- protected_spaces_details – details about protected spaces within an application

A full list of the fields can be found in the technical schema.

Examples

The following are some scenarios to help get you started with the Elasticsearch API. Please note that the API is part of Elasticsearch (V7.9) and as such the online documentation (https://www.elastic.co/guide/en/elasticsearch/reference/7.9/rest-apis.html, https://www.elastic.co/guide/en/elasticsearch/reference/7.9/indices-get-index.html, https://www.elastic.co/guide/en/elasticsearch/reference/7.9/search.html) will provide useful information on how to perform various searches specific to your needs.

Retrieve data for a specific application.
An application's id is prefixed with the name of the local planning authority and then the reference, separated by a dash. Certain characters in a reference will be replaced with undescores ("_") due to limitations of characters within the id field.

To retrieve an application with the id of Newham-701491 you would use the following

Command Type: Get

URL: https://planningdata.london.gov.uk/api-guest/applications/_source/Newham-701491

Example using cURL:

*curl --location --request GET 'https://planningdata.london.gov.uk/api-guest/applications/_source/Newham-701491' *

--header 'X-API-AllowRequest: be2rmRnt&'

Search for local planning authority of Lambeth and application type of All Other, which has a valid date since 1st Jan 2021, returning specific data fields.
This will make use of the search endpoint, and will require a query to be sent in the body of the request:

Command Type: Post

URL: https://planningdata.london.gov.uk/api-guest/applications/_search

Body:

```
{
  "query": {
    "bool": {
      "must": [
        {
            "term": {"lpa_name.raw": "Lambeth"}
        },
        {
            "term": {"application_type.raw": "All Other"}
        },
        {
          "range": {
            "valid_date": {
```

```
          "gte": " 01/01/2021"
        }
      }
    }
  ]
 }
}
 , "_source": ["lpa_name", "lpa_app_no", "last_updated", "valid_date", "decision_date", "id", "application_type"]
}
```

Example using cURL:

```
curl --location --request POST 'https://planningdata.london.gov.uk/api-guest/applications/_search' \
--header 'X-API-AllowRequest: be2rmRnt&' \
--header 'Content-Type: application/json' \
--data-raw '{
  "query": {
    "bool": {
      "must": [
        {
          "term": {"lpa_name.raw": "Lambeth"}
        },
        {
          "term": {"application_type.raw": "All Other"}
        },
        {
          "range": {
            "valid_date": {
              "gte": "01/01/2021"
```

```
          }
        }
      }
    ]
  }
 }
, "_source": ["lpa_name", "lpa_app_no", "last_updated", "valid_date", "decision_date", "id",
"application_type"]
}'
```