



Address API

Use the **q** parameter to do a full text search:

```
curl "https://bigblue-  
challenge.vercel.app/api/backend/v1/adresse?  
q=8+bd+du+port"
```

With **lat** and **lon** we can give geographic priority:

```
curl "https://bigblue-  
challenge.vercel.app/api/backend/v1/adresse?  
q=8+bd+du+port&lat=48.789&lon=2.789"
```

The **type** , **postcode** (Postal code) and **citycode** (INSEE code) filters are used to restrict the search:

```
curl "https://bigblue-  
challenge.vercel.app/api/backend/v1/adresse?  
q=8+bd+du+port&postcode=44380"
```

```
curl "https://bigblue-  
challenge.vercel.app/api/backend/v1/adresse?  
q=paris&type=street"
```

The return is a *FeatureCollection* geojson respecting the [GeoCodeJSON](#) spec :

```

{
  "type": "FeatureCollection",
  "version": "draft",
  "features": [
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [
          2.290084,
          49.897443
        ]
      },
      "properties": {
        "label": "8 Boulevard du Port 80000 Amiens",
        " housenumber": "8",
        "id": "80021_6590_00008",
        "type": " housenumber",
        "name": "8 Boulevard du Port",
        "postcode": "80000",
        "citycode": "80021",
        "x": 648952.58,
        "y": 6977867.25,
        "city": "Amiens",
        "context": "80, Somme, Hauts-de-France",
        "street": "Boulevard du Port"
      }
    }
  ],
  "attribution": "BAN",
  "query": "8 bd du port",
}

```

GeoJSON coordinates are expressed in WGS-84 (EPSG 4326)

The attributes returned are:

- **id** : address identifier (interoperability key)
- **type** : type of result found
 - **housenumber** : number "to the plate"
 - **street** : position "to the track", placed approximately in the center of this one
 - **locality** : locality

- **municipality** : number "to the municipality"
 - **houzenumber** : number with possible repetition index (bis, ter, A, B)
 - **street** : name of the street
 - **name** : possible number and name of street or locality
 - **postcode** : postal code
 - **citycode** : INSEE code of the municipality
 - **city** : name of the town
 - **district** : name of the district (Paris / Lyon / Marseille)
 - **oldcitycode** : INSEE code of the old town (if applicable)
 - **oldcity** : name of the old town (if applicable)
 - **context** : department number, department and region name
 - **label** : full description of the address
 - **x** : geographic coordinates in legal projection
 - **y** : geographic coordinates in legal projection
-