

08-01-02-02-01 Geolocation: Details

1. Business endpoint

1.1. URL

http://{API_GATEWAY_HOST}/nova-api/geolocation/1.0.0

1.2. Request

The service requires a JSON object as request body

1.2.1. Headers

Name	Type	Value	Description	Required
Authorization	Base64Encoded	{user}:{password}	Concatenation of user, : sign, password base64 encoded	Mandatory
Content-Type	String	application/json	Exchanged data type	Mandatory

1.2.2. Body

Name	Type	Required	Example
identifiers	Object	Mandatory	
_identifier	Object[]	Mandatory	
_key	String	Mandatory	<ul style="list-style-type: none">1000006f394c2f-de4e-4ead-93ec-05a6914bef24
_type	String	Optional	<ul style="list-style-type: none">IDUUID (default value)

1.2.3. Example

- **Type:** POST
- **Url:** http://{API_GATEWAY_HOST}/nova-api/geolocation/1.0.0
- **Authorization:** xrze4x34345xze==
- **Content-Type:** application/json
- **Body:**

```
Body
{
  "identifiers": [
    {
      "identifier": {
        "key": "0a7251e1-1636-48dd-a056-a845c0fc9073",
        "type": "UUID"
      }
    }
  ]
}
```

1.3. Response

- The system will respond with a status code only

1.3.1. Status

Status Code	Description
200	Response successfully returned
400	Bad request / corrupted provided data
404	Geolocation not found
500	System errors

1.3.2. Headers

Name	Type	Value	Description
Content-Type	String	application/json	Exchanged data type

1.3.3. Body

Body

```

[
  {
    "data": {
      "identifier": {
        "key": "0a7251e1-1636-48dd-a056-a845c0fc9073",
        "type": "UUID"
      },
      "addresses": [
        {
          "identifier": {
            "key": "83ac5032-bfea-4317-beb6-ffff69f98210",
            "type": "UUID"
          },
          "number": "92",
          "zip": "1180",
          "city": "Uccle",
          "country": "BE"
        }
      ],
      "localizations": [
        {
          "identifier": {
            "key": "c3bb7400-8c98-435a-96bc-5bd091273f30",
            "type": "UUID"
          },
          "gml": "<gml:Polygon>\n <gml:outerBoundaryIs>\n <gml:LinearRing>\n <gml:
coordinates>\n      147646.40398432,164858.12304278 147654.41054413,164850.56287206
147668.2642416,164836.23828609 147671.31601681,164839.16894604 147657.07069856,164854.18188113
147648.9339274,164861.65596657 147646.40398432,164858.12304278 \n      </gml:coordinates>\n      </gml:
LinearRing>\n </gml:outerBoundaryIs>\n</gml:Polygon>\n",
          "centroid": {
            "x": 147658.81995270622,
            "y": 164849.01005127718
          }
        },
        {
          "identifier": {
            "key": "ad1636a2-4ebd-4159-9ddd-956c31f50bf6",
            "type": "UUID"
          },
          "gml": "<gml:Polygon>\n <gml:outerBoundaryIs>\n <gml:LinearRing>\n <gml:
coordinates>\n      147646.40398432,164858.12304278 147654.41054413,164850.56287206
147668.2642416,164836.23828609 147671.31601681,164839.16894604 147657.07069856,164854.18188113
147648.9339274,164861.65596657 147646.40398432,164858.12304278 \n      </gml:coordinates>\n      </gml:
LinearRing>\n </gml:outerBoundaryIs>\n</gml:Polygon>\n",
          "centroid": {
            "x": 147658.81995270622,
            "y": 164849.01005127718
          }
        },
        {
          "identifier": {
            "key": "78b20d53-7f1d-438c-9352-55b5c3f72da2",
            "type": "UUID"
          },
          "gml": "<gml:Polygon>\n <gml:outerBoundaryIs>\n <gml:LinearRing>\n <gml:
coordinates>\n      147646.40398432,164858.12304278 147654.41054413,164850.56287206
147668.2642416,164836.23828609 147671.31601681,164839.16894604 147657.07069856,164854.18188113
147648.9339274,164861.65596657 147646.40398432,164858.12304278 \n      </gml:coordinates>\n      </gml:
LinearRing>\n </gml:outerBoundaryIs>\n</gml:Polygon>\n",
          "centroid": {
            "x": 147658.81995270622,
            "y": 164849.01005127718
          }
        }
      ]
    }
  }
]

```

1.3.4. Example

- Content-Type: application/json

2. Health endpoint

2.1. URL

- `http://{API_GATEWAY_HOST}/nova-api/geolocation/1.0.0/health`

2.2. Response

- The system will respond with a status code only

2.2.1. Status

Status Code	Description
200	Response successfully returned
404	Service not found

2.2.2. Headers

Name	Type	Value	Description
Content-Type	String	application/json	Exchanged data type

2.2.3. Example

Response
<pre>{ "status" : "UP" }</pre>

3. Exceptions

3.1. Code 404

- In case of unknown route a structured error message will be returned.

3.2. Response

3.2.1. Headers

Name	Type	Value	Description
Content-Type	String	text/html;charset=UTF-8	Exchanged data type

3.2.2. Example

Response

```
{
  "source": "NOVA",
  "type": "ROUTE",
  "subtype": "NOT_LISTED",
  "httpCode": "NOT_FOUND",
  "code": "P_100000",
  "message": "Route not found"
}
```

4. Documentation

4.1. Swagger URL

- http://{API_GATEWAY_HOST}/nova-api/geolocation/1.0.0/swagger-ui.html

5. Test

5.1. PostMan tool

- See full postman script available on demand in git repository: **nova-api-endpoint-common**

6. GATEWAY URLs:

TEST: <https://api.irisnetlab.be/api/nova-api/test/geolocation/1.0.0>

STAGING: <https://api.irisnetlab.be/api/nova-api/geolocation/1.0.0>