

正地理编码 API 接口开发说明

(Ver 1.0)

上海维智卓新信息科技有限公司

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修订记录

修订版本	修订记录	负责人	日期
V1.0	初始版本	陈易宏、罗晓菲	2024-05-22

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1 概述

提供正地理编码等接口。协议默认规格有：

- 1、时间戳为 int64，采用 unix 时间戳（*Unix epoch*），单位为毫秒；
- 2、字符串都为 UTF8 格式；
- 3、HTTP Headers: Content-Type 设置为：application/json

鉴权方式：

采用 access_key 的方式，在 URL 的 Query Param 中添加 access_key。

2 正地理编码接口

2.1 请求参数

定位结果的获取，通过 GET 请求下面的 URL：

https://api.newwayz.com/location/scenario/v1/geocode?access_key={access_key}&address={address}&city={city}

查询 params 参数含义：

参数	类型	说明
access_key	String	申请的应用 KEY，访问接口权限
address	String	查询地址
city	String	如果需要 请传入完整名称 如北京市

调用 WAYZ 的 API，需要提前获取 KEY 信息。

2.2 返回参数

返回参数如下：

参数	类型	说明
id	String	随机生成定位请求的 UUID
geoPoint	String	地址经纬度
type	String	当前场景的属性信息，例如："Entity"等
name	String	地址层级对应的名称
code	String	格式化地址层级对应的代码
address	Address	结构化地址信息
relevance	Number	相关度评分
distance	Number	距离，单位公里

Address 字段如下：

参数	类型	说明
name	String	当前定位地址的格式化全称
context	Array<Context>	格式化地址的组成部分

Context 字段如下：

参数	类型	说明
code	String	格式化地址层级对应的代码
name	String	格式化地址层级对应的名称
type	String	格式化地址层级对应的类型，可能的值包括："Country", "Province", "City", "District", "Township", "Road", "Housenumber", "Boundingarea", "Building"

完整返回信息参数如下:

```
{
  "id": "e65223f2-02ad-4082-934c-d162cd78fac7",
  "geoPoint": "117.268705,40.659577",
  "type": "Entity",
  "name": "龙湖长城源著三号院燕京楼",
  "code": "",
  "categories": null,
  "address": {
    "name": "北京市密云区古北口镇",
    "context": [
      {
        "type": "province",
        "name": "北京市",
        "code": "110000"
      },
      {
        "type": "city",
        "name": "北京市",
        "code": "110000"
      },
      {
        "type": "district",
        "name": "密云区",
        "code": "110118"
      },
    ]
  }
}
```

```
{
  "type": "township",
  "name": "古北口镇",
  "code": "110118111"
}
]
},
"relevance": 72.49823,
"distance": 0
},
{
  "id": "4b9c554e-ca3a-4f3b-b6f0-53c061348b48",
  "geoPoint": "117.270543,40.649782",
  "type": "Entity",
  "name": "龙湖长城源著-2 号楼",
  "code": "",
  "categories": null,
  "address": {
    "name": "北京市密云区古北口镇龙湖长城源著 2 号楼",
    "context": [
      {
        "type": "province",
        "name": "北京市",
        "code": "110000"
      },
      {
```



```
        "type": "city",
        "name": "北京市",
        "code": "110000"
    },
    {
        "type": "district",
        "name": "密云区",
        "code": "110118"
    },
    {
        "type": "township",
        "name": "古北口镇",
        "code": "110118111"
    }
]
},
"relevance": 68.44367,
"distance": 0
},
{
    "id": "b718a5c9-fe97-4373-88c0-0a97557feeaf",
    "geoPoint": "117.268151,40.646557",
    "type": "Entity",
    "name": "龙湖长城源著-18 号楼",
    "code": "",
    "categories": null,
```

```
"address": {
  "name": "北京市密云区古北口镇龙湖长城原著 18 号楼",
  "context": [
    {
      "type": "province",
      "name": "北京市",
      "code": "110000"
    },
    {
      "type": "city",
      "name": "北京市",
      "code": "110000"
    },
    {
      "type": "district",
      "name": "密云区",
      "code": "110118"
    },
    {
      "type": "township",
      "name": "古北口镇",
      "code": "110118111"
    }
  ]
},
"relevance": 68.44367,
```

```
"distance": 0
},
{
  "id": "4fb7ff53-53fa-47ce-8dfe-b528cb92c1e7",
  "geoPoint": "117.269802,40.648708",
  "type": "Entity",
  "name": "龙湖长城源著-11 号楼",
  "code": "",
  "categories": null,
  "address": {
    "name": "北京市密云区古北口镇龙湖长城源著 11 号楼",
    "context": [
      {
        "type": "province",
        "name": "北京市",
        "code": "110000"
      },
      {
        "type": "city",
        "name": "北京市",
        "code": "110000"
      },
      {
        "type": "district",
        "name": "密云区",
        "code": "110118"
```

```
    },
    {
        "type": "township",
        "name": "古北口镇",
        "code": "110118111"
    }
]
},
"relevance": 68.44148,
"distance": 0
},
{
    "id": "77875a19-51dc-4efd-be5a-56ab5615e81c",
    "geoPoint": "117.267829,40.647016",
    "type": "Entity",
    "name": "龙湖长城源著-16 号楼",
    "code": "",
    "categories": null,
    "address": {
        "name": "北京市密云区古北口镇龙湖长城源著 16 号楼",
        "context": [
            {
                "type": "province",
                "name": "北京市",
                "code": "110000"
            }
        ],
    },
},
```

```
{
  "type": "city",
  "name": "北京市",
  "code": "110000"
},
{
  "type": "district",
  "name": "密云区",
  "code": "110118"
},
{
  "type": "township",
  "name": "古北口镇",
  "code": "110118111"
}
]
},
"relevance": 68.34186,
"distance": 0
},
{
  "id": "e5bd3b7e-52ff-4c9e-8f28-7f5f2d7a0933",
  "geoPoint": "117.268946,40.647817",
  "type": "Entity",
  "name": "北京长城小筑",
  "code": ""
```

```
"categories": null,
"address": {
  "name": "北京市密云区古北口镇龙湖长城原著",
  "context": [
    {
      "type": "province",
      "name": "北京市",
      "code": "110000"
    },
    {
      "type": "city",
      "name": "北京市",
      "code": "110000"
    },
    {
      "type": "district",
      "name": "密云区",
      "code": "110118"
    },
    {
      "type": "township",
      "name": "古北口镇",
      "code": "110118111"
    }
  ]
},
```

```
"relevance": 67.82744,
"distance": 0
},
{
  "id": "10e602dc-0a32-4895-93ab-44ca68984716",
  "geoPoint": "117.268097,40.646189",
  "type": "Entity",
  "name": "北京古北口镇别墅",
  "code": "",
  "categories": null,
  "address": {
    "name": "北京市密云区古北口镇龙湖长城原著 10 号楼",
    "context": [
      {
        "type": "province",
        "name": "北京市",
        "code": "110000"
      },
      {
        "type": "city",
        "name": "北京市",
        "code": "110000"
      },
      {
        "type": "district",
        "name": "密云区",
```

```
        "code": "110118"
      },
      {
        "type": "township",
        "name": "古北口镇",
        "code": "110118111"
      }
    ]
  },
  "relevance": 67.24381,
  "distance": 0
},
{
  "id": "a7b92181-b60f-4640-aa96-5cccd3d0a776",
  "geoPoint": "117.270228,40.648400",
  "type": "Entity",
  "name": "北京长城院子",
  "code": "",
  "categories": null,
  "address": {
    "name": "北京市密云区古北口镇北京密云区古北水镇龙湖源
著三期合院",
    "context": [
      {
        "type": "province",
        "name": "北京市",
```



```
        "code": "110000"
      },
      {
        "type": "city",
        "name": "北京市",
        "code": "110000"
      },
      {
        "type": "district",
        "name": "密云区",
        "code": "110118"
      },
      {
        "type": "township",
        "name": "古北口镇",
        "code": "110118111"
      }
    ]
  },
  "relevance": 66.883965,
  "distance": 0
},
{
  "id": "44a13147-c806-434d-9780-21236b27cf56",
  "geoPoint": "117.270300,40.647903",
  "type": "Entity",
```

```
"name": "北京密云水镇龙湖源著公寓(上河主街分店)",
"code": "",
"categories": null,
"address": {
  "name": "北京市密云区古北口镇龙湖长城源著",
  "context": [
    {
      "type": "province",
      "name": "北京市",
      "code": "110000"
    },
    {
      "type": "city",
      "name": "北京市",
      "code": "110000"
    },
    {
      "type": "district",
      "name": "密云区",
      "code": "110118"
    },
    {
      "type": "township",
      "name": "古北口镇",
      "code": "110118111"
    }
  ]
}
```

```
    ]
  },
  "relevance": 66.64357,
  "distance": 0
},
{
  "id": "dfabd074-d51e-461b-aa9b-d70479386088",
  "geoPoint": "117.268089,40.646584",
  "type": "Entity",
  "name": "龙湖地产龙湖长城源著售楼中心",
  "code": "",
  "categories": null,
  "address": {
    "name": "北京市密云区古北口镇古北驿大街龙湖长城源著",
    "context": [
      {
        "type": "province",
        "name": "北京市",
        "code": "110000"
      },
      {
        "type": "city",
        "name": "北京市",
        "code": "110000"
      },
      {
```

```
        "type": "district",
        "name": "密云区",
        "code": "110118"
    },
    {
        "type": "township",
        "name": "古北口镇",
        "code": "110118111"
    }
]
},
"relevance": 66.52912,
"distance": 0
}
```

2.3 报错信息

错误参数	说明
400	参数异常
401	API 密钥认证失败
403	Appkey 权限异常
429	请求次数超额
500	服务器异常

400 报错信息:

```
{
  "code": "400",
  "message": "no refdata provided"
}
```

401 报错信息:

```
{
  "message": "No API key found in request"
}
```

403 报错信息:

```
{
  "code": "403",
  "message": "Access key forbidden"
}
```

3 Address Model 级别说明

Level	Field Type	Description	示例说明
1	Country	国家	中国
2	Province/State	省	河北省、北京市
3	City	市	宁波市
4	District	区县	北京市朝阳区
5	Township	乡镇, 街道	回龙观镇
6	Neighborhood	村庄, 居委, 乡	三元村
9	Road	道路	上海市浦东新区金科路
11	HouseNumber	门牌号	朝阳区阜通东大街 6 号
13	Building	建筑	炬芯研发大楼 A 幢