

2 Zones API: How to retrieve a zone

This is a series of articles dedicated to demonstrating how to get acquainted with Openprovider DNS Zones API methods. If you want to go the beginning of this guide, please navigate to the article "[Zones API: How to create a zone](#)".

This is a second article in a series in which we are going to cover all the basic operations that can be performed via Openprovider API methods regarding DNS zone management. To get more information about our API in general, please use our [documentation portal](#) as your reference.

In the previous [article](#) we covered how to create a DNS zone. In this one let's look at how we can retrieve it.

Our API has multiple methods that are responsible for either listing a zone's characteristics or its respective contents(records). First let's look at how to search for a particular zone.

Searching for a zone

For this purpose we're going to use [List Zones](#) method. It returns information about an existing DNS zone object.

↓ Use endpoint path below. Base URL is determined by both the target environment and API version.

```
GET {base\_url}/dns/zones/
```

REQUEST VALUES

Name	Type	Description
limit	integer	Optional. default value: 100, maximum value: 1000
offset	integer	Optional.master or slave
name_pattern	string	Required.

type	string	Required for master zones
with_records	boolean	Optional. default value: 0
with_history	boolean	Optional. default value: 0

REQUEST EXAMPLE

```
curl -X GET \
  'https://api.openprovider.eu/v1beta/dns/zones?name_pattern=domain.com' \
  -H 'Authorization: ,Bearer 2831a37fb8*****90b5aac822' \
```

RESPONSE EXAMPLE

```
{
  "code": 0,
  "data": {
    "active": 1,
    "creation_date": "1328427448",
    "dnskey": "",
    "id": 1,
    "ip": "127.0.0.1",
    "is_deleted": false,
    "is_shadow": false,
    "is_spamexperts_enabled": false,
    "modification_date": "1543388225",
    "name": "domain.com",
    "reseller_id": 1,
    "type": "master"
  },
  "desc": ""
}
```

RESPONSE VALUES

Name	Type	Description
type	string	
name	string	
ip	varchar	
creation_date	timestamp	

modification_date	timestamp
records	Will be returned if with_records = true
history	Will be returned if with_history = true

Retrieving a zone

Once you know that the zone in question actually exists, you can retrieve information about it with the help of [Get Zone](#) method. This API method is intended to get data about an existing DNS zone object as well as its records.

↓ Use endpoint path below. Base URL is determined by both the target environment and API version.

GET [{base_url}](#)/dns/zones/{name}

REQUEST VALUES

Name	Type	Description
id	integer	Optional. default value: 100, maximum value: 1000
name	string	Required.
with_records	boolean	Optional. default value: 0
with_history	boolean	Optional. default value: 0
with_dnskey	boolean	Optional. default value: 0

REQUEST EXAMPLE

```
curl -X GET \
  https://api.openprovider.eu/v1beta/dns/zones/demo-domain.nl \
  -H 'Accept: */*' \
```

```
-H 'Authorization: ,Bearer b3920befa9*****f838a2191a44f' \
```

RESPONSE EXAMPLE

```
{
  "data": {
    "id": 9146574,
    "reseller_id": 204661,
    "type": "master",
    "name": "demo-domain.nl",
    "active": 1,
    "creation_date": "2019-06-27 06:22:36",
    "modification_date": "2019-06-27 06:22:36"
  }
}
```

In the [following article](#) we are going to modify some of the records of the zone and see how it can be then deleted.

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