



Zones

NetApp Keystone

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Table of Contents

Zones 1

Zones

Use the methods listed in the following table to create, modify, and delete zones. For APIs that allow you to retrieve zones, see the (Consumer) Administration APIs.

HTTP Method	Path	Description
POST	<code>/v2.1/zones</code>	Create a new zone.
PUT	<code>/v2.1/zones/{name}</code>	Modify the details of a zone.
DELETE	<code>/v2.1/zones/{name}</code>	Delete a zone.

Zone attributes

The following table lists the zone attributes.

Attribute	Type	Description
<code>id</code>	String	the unique identifier of the zone.
<code>name</code>	String	The zone name.
<code>description</code>	String	The description of the zone.
<code>region_name</code>	String	The name of the region in which the zone resides.

Retrieve all zones

Use the method listed in the following table to retrieve all zones or a subset of zones. Specifying a region will return only the block stores belonging to that tenant.

HTTP Method	Path	Description	Parameters
GET	<code>/v2.1/zones</code>	Retrieve zones.	(Optional) Region name (string) <code>offset</code> and <code>limit</code> – see Common Pagination

Required request body attributes: `none`

Request body example:

```
none
```

Response body example:

```

{
  "status": {
    "user_message": "Okay. Returned 1 record.",
    "verbose_message": "",
    "code": 200
  },
  "result": {
    "returned_records": 1,
    "total_records": 5,
    "sort_by": "created",
    "order_by": "desc",
    "offset": 2,
    "limit": 1,
    "records": [
      {
        "id": "5ce5d919b68d3b82dc34bef2",
        "name": "au-west1-a",
        "description": "au-west1-a",
        "region": "au-west1"
      }
    ]
  }
}

```

Retrieve a zone by name

Use the method listed in the following table to retrieve a zone by the zone name.

HTTP Method	Path	Description	Parameters
GET	/v2.1/zones/{name}	Retrieve a zone by name.	Name (string): Zone name

Required request body attributes: none

Request body example:

```
none
```

Response body example:

```

{
  "status": {
    "user_message": "Okay. Returned 1 record.",
    "verbose_message": "",
    "code": 200
  },
  "result": {
    "returned_records": 1,
    "records": [
      {
        "id": "5ce5d919b68d3b82dc34bef2",
        "name": "au-west1-a",
        "description": "au-west1-a",
        "region": "au-west1"
      }
    ]
  }
}

```

Create a zone

Use the method listed in the following table to create a zone.

HTTP Method	Path	Description	Parameters
POST	/v2.1/zones	Create a new zone within a region.	None

Required request body attributes: `name`, `description`, `region_name`

Request body example:

```

{
  "name": "MyZoneName",
  "description": "DescriptionOfMyZone",
  "region_name": "MyRegionName"
}

```

Response body example:

```

{
  "status": {
    "user_message": "Okay. New resource created.",
    "verbose_message": "",
    "code": 201
  },
  "result": {
    "total_records": 1,
    "records": [
      {
        "id": "5e61741c9b64790001fe9663",
        "name": "MyZoneName",
        "description": "DescriptionOfMyZone",
        "region": "MyRegionName"
      }
    ]
  }
}

```

Modify a zone

Use the method listed in the following table to modify a zone.

HTTP Method	Path	Description	Parameters
PUT	/v2.1/zones{name}	Modify a zone identified by name.	name (string): Name of the zone.

Required request body attributes: none

Request body example:

```

{
  "name": "MyZoneName",
  "description": "NewDescriptionOfMyZone"
}

```

Response body example:

```

{
  "status": {
    "user_message": "Okay. Returned 1 record.",
    "verbose_message": "",
    "code": 200
  },
  "result": {
    "total_records": 1,
    "records": [
      {
        "id": "5e61741c9b64790001fe9663",
        "name": "MyZoneName",
        "description": "NewDescriptionOfMyZone",
        "region": "MyRegionName"
      }
    ]
  }
}

```

Delete a zone

Use the method listed in the following table to delete a zone.

HTTP Method	Path	Description	Parameters
DELETE	/v2.1/zones{name}	Delete a single zone identified by name. All storage resources within a zone must be deleted first.	name (string): Name of the zone.

Required request body attributes: none

Request body example:

```
none
```

Response body example:

No content to return on a successful deletion.

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