



# Regions

## NetApp Keystone

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# Regions

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

HTTP Method	Path	Description
GET	<code>/v2.1/regions</code>	Get regions.
GET	<code>/v2.1/regions/{name}</code>	Get regions by name.
POST	<code>/v2.1/regions</code>	Create a new region.
PUT	<code>/v2.1/regions/{name}</code>	Modify the details of a region.
DELETE	<code>/v2.1/regions/{name}</code>	Delete a region.

## Region attributes

The following table lists the region attributes.

Attribute	Type	Description
<code>id</code>	String	The unique identifier of the region.
<code>name</code>	String	The region name.
<code>description</code>	String	The description of the region.

## Retrieve regions

Use the method listed in the following table to retrieve all regions or a subset of regions.

HTTP Method	Path	Description	Parameters
GET	<code>/v2.1/regions</code>	Retrieve regions.	<code>offset</code> and <code>limit</code> — see <a href="#">Common Pagination</a>

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": 4,
    "sort_by": "created",
    "order_by": "desc",
    "offset": 0,
    "limit": 1,
    "records": [
      {
        "id": "5e7bf44daab46c00014ce77f",
        "name": "au-east8",
        "description": "This is the new region description",
        "zones": []
      }
    ]
  }
}

```

## Retrieve a region by name

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

HTTP Method	Path	Description	Parameters
GET	<code>/v2.1/regions/{name}</code>	Retrieve a region by name.	<code>name (string)</code> : The region name.

Required request body attributes: `none`

### Request body example:

```
none
```

### Response body example:

```

{
  "status": {
    "user_message": "string",
    "verbose_message": "string",
    "code": "string"
  },
  "result": {
    "returned_records": 1,
    "records": [
      {
        "id": "5d2fb0fb4f47df00015274e3",
        "name": "au-east1",
        "description": "string",
        "zones": [
          "au-east1-a"
        ]
      }
    ]
  }
}

```

## Create a region

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

HTTP Method	Path	Description	Parameters
POST	/v2.1/regions	Create a new region.	None

Required request body attributes: `name`

### Request body example:

```

{
  "name": "MyRegionName",
  "description": "DescriptionOfMyRegion"
}

```

### Response body example:

```

{
  "status": {
    "user_message": "Okay. New resource created.",
    "verbose_message": "",
    "code": 201
  },
  "result": {
    "total_records": 1,
    "records": [
      {
        "id": "5e616f849b64790001fe9658",
        "name": "MyRegionName",
        "Description": "DescriptionOfMyRegion",
        "user_id": "5bbee380a2df7a04d43acae",
        "created": "0001-01-01T00:00:00Z",
        "tags": null
      }
    ]
  }
}

```

## Modify a region

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

HTTP Method	Path	Description	Parameters
PUT	<code>/v2.1/regions/{name}</code>	Modify a region identified by name. You can change the name and description of the region.	<code>name (string)</code> : The name of the region.

Required request body attributes: `none`

### Request body example:

```

{
  "name": "MyRegionName",
  "description": "NewDescriptionOfMyRegion"
}

```

### Response body example:

```
{
  "status": {
    "user_message": "Okay. Returned 1 record.",
    "verbose_message": "",
    "code": 200
  },
  "result": {
    "total_records": 1,
    "records": [
      {
        "id": "5e616f849b64790001fe9658",
        "name": "MyRegionName",
        "description": "NewDescriptionOfMyRegion",
        "zones": []
      }
    ]
  }
}
```

## Delete a region

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

HTTP Method	Path	Description	Parameters
DELETE	<code>/v2.1/regions{name}</code>	Delete a single region identified by name. All zones within a region must be deleted first.	<code>Name (string)</code> : The name of the region.

Required request body attributes: `none`

### Request body example:

```
none
```

### Response body example:

```
No content for succesful delete
```

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