NetApp

Manage resource tags

ONTAP 9.14.1 REST API reference

NetApp
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Manage resource tags

Resource-tags resource_tag.value resources endpoint overview

Overview

You can use this endpoint to list all of the resources in the API that have been tagged with a particular tag value. See the section labelled Tagging Resources for Tracking Purposes to find out more information about how to tag a resource.

Examples

The following examples show some ways that this endpoint can be used.

List all resources that are tagged for the test environment.

```
# The API:
/api/resource-tags/environment:test/resources

# The call:
curl -X GET "https://<mgmt-ip>/api/resource-
tags/environment:test/resources"

# The response:
{
"records": [
  {
    "href": "/api/storage/volumes/558949d1-d4cf-445e-ada5-e340dee6a581",
    "_links": {
      "self": {
        "href": "/api/resource-
tags/environment:test/resources/%2Fapi%2Fstorage%2Fvolumes%2F558949d1-
d4cf-445e-ada5-e340dee6a581"
      }
    }
  },
  {
    "href": "/api/svm/svms/7f97a0b1-fe4f-11e8-b9c5-005056a76061",
    "_links": {
      "self": {
        "href": "/api/resource-
tags/environment:test/resources/%2Fapi%2Fsvm%2Fsvms%2F7f97a0b1-fe4f-11e8-
b9c5-005056a76061"
      }
    }
```

```
    },
    {
      "href": "/api/cluster",
      "_links": {
        "self": {
          "href": "/api/resource-
tags/environment:test/resources/%2Fapi%2Fcluster"
        }
      }
    }
  ],
  "num_records": 3,
  "_links": {
    "self": {
      "href": "/api/resource-tags/environment:test/resources"
    }
  }
}
}
```

List all volumes that have been tagged for the accounting team

```
# The API:
/api/resource-tags/team:accounting/resources

# The call:
curl -X GET "https://<mgmt-ip>/api/resource-
tags/team:accounting/resources?label=storage_volumes"

# The response:
{
"records": [
  {
    "href": "/api/storage/volumes/558949d1-d4cf-445e-ada5-e340dee6a581",
    "label": "storage_volumes",
    "_links": {
      "self": {
        "href": "/api/resource-
tags/environment:test/resources/%2Fapi%2Fstorage%2Fvolumes%2F558949d1-
d4cf-445e-ada5-e340dee6a581"
      }
    }
  },
  {
    "href": "/api/storage/volumes/64750961-fda7-4327-9f16-00034c3f5ad2",
```

```
      "label": "storage_volumes",
      "_links": {
        "self": {
          "href": "/api/resource-
tags/environment:test/resources/%2Fapi%2Fstorage%2Fvolumes%2F64750961-
fda7-4327-9f16-00034c3f5ad2"
        }
      }
    },
    {
      "href": "/api/storage/volumes/bee17b91-f90a-4854-b146-8b102a0a9882",
      "label": "storage_volumes",
      "_links": {
        "self": {
          "href": "/api/resource-
tags/environment:test/resources/%2Fapi%2Fstorage%2Fvolumes%2Fbee17b91-
f90a-4854-b146-8b102a0a9882"
        }
      }
    }
  ],
  "num_records": 3,
  "_links": {
    "self": {
      "href": "/api/resource-
tags/environment:test/resources?label=storage_volumes"
    }
  }
}
}
```

Create a new tag on a volume

```
# The API:
/api/resource-tags/team:accounting/resources

# The call:
curl -X POST "https://<mgmt-ip>/api/resource-
tags/team:accounting/resources" -d '{"href":
"/api/storage/volumes/f288168e-bd3e-11ed-9516-005056acd4e8"}'

# The response
{
"num_records": 1,
"records": [
  {
    "href": "/api/storage/volumes/f288168e-bd3e-11ed-9516-005056acd4e8",
    "_links": {
      "self": {
        "href": "/api/resource-
tags/team:accounting/resources/%2Fapi%2Fstorage%2Fvolumes%2Ff288168e-bd3e-
11ed-9516-005056acd4e8"
      }
    }
  }
]
}
```

Delete a new tag on a volume

```
# The API:
/resource-tags/{resource_tag.value}/resources/{href}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/resource-
tags/team:accounting/resources/%2Fapi%2Fstorage%2Fvolumes%2Ff288168e-bd3e-
11ed-9516-005056acd4e8"
```

Retrieve the resources for a tag

GET `/resource-tags/{resource_tag.value}/resources`

Introduced In: 9.13

Retrieves the resources for a specific tag

Parameters

Name	Type	In	Required	Description
label	string	query	False	Filter by label
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When iterating over a collection, the default is 15 seconds. ONTAP returns earlier if either max records or the end of the collection is reached. • Default value: 1 • Max value: 120 • Min value: 0
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.
order_by	array[string]	query	False	Order results by specified fields and optional [asc
desc] direction. Default direction is 'asc' for ascending.	return_records	boolean	query	False

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
num_records	integer	Number of records
records	array[resource_tag_resource]	

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": {
    "label": "volume",
    "svm": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    }
  }
}
```

Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_error	

Example error

```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

Name	Type	Description
next	href	
self	href	

_links

Name	Type	Description
self	href	

svm

If the tagged resource belongs to an SVM, this property will be set. If the resource does not belong to an SVM (i.e. it belongs to the cluster as a whole), then this property will be empty and unreturned.

Name	Type	Description
_links	_links	
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

resource_tag_resource

This object provides a pointer to the tagged resource in the API. Details about the tagged object are available by querying the address of the href property.

Name	Type	Description
href	string	This property provides the address in the API at which the tagged resource is available. Additional queries can be made on this endpoint to fetch the resource's properties.

Name	Type	Description
label	string	This is a human-readable classifier representing the type of thing that is pointed to by the href.
svm	svm	If the tagged resource belongs to an SVM, this property will be set. If the resource does not belong to an SVM (i.e. it belongs to the cluster as a whole), then this property will be empty and unreturned.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Create a new tag for a resource

POST /resource-tags/{resource_tag.value}/resources

Introduced In: 9.13

Creates a new tag on a specific resource.

Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned. • Default value:

Request Body

Name	Type	Description
href	string	This property provides the address in the API at which the tagged resource is available. Additional queries can be made on this endpoint to fetch the resource's properties.
label	string	This is a human-readable classifier representing the type of thing that is pointed to by the href.
svm	svm	If the tagged resource belongs to an SVM, this property will be set. If the resource does not belong to an SVM (i.e. it belongs to the cluster as a whole), then this property will be empty and unreturned.

Example request

```
{
  "label": "volume",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Response

```
Status: 201, Created
```

Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
262257	The API specified in the href cannot be found.
262258	The resource specified in the href does not support tagging.
262259	The specified href cannot be parsed.
262260	The provided href is missing a key to a specific resource.
262261	The specified href points to a resource that does not exist.
262262	The specified href cannot be an empty string.
262263	Tag key-value pairs cannot be longer than 200 characters.

Also see the table of common errors in the Response body overview section of this documentation.

Name	Type	Description
error	returned_error	

Example error

```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

Name	Type	Description
self	href	

svm

If the tagged resource belongs to an SVM, this property will be set. If the resource does not belong to an SVM (i.e. it belongs to the cluster as a whole), then this property will be empty and unreturned.

Name	Type	Description
_links	_links	
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

resource_tag_resource

This object provides a pointer to the tagged resource in the API. Details about the tagged object are available by querying the address of the href property.

Name	Type	Description
href	string	This property provides the address in the API at which the tagged resource is available. Additional queries can be made on this endpoint to fetch the resource's properties.
label	string	This is a human-readable classifier representing the type of thing that is pointed to by the href.

Name	Type	Description
svm	svm	If the tagged resource belongs to an SVM, this property will be set. If the resource does not belong to an SVM (i.e. it belongs to the cluster as a whole), then this property will be empty and unreturned.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Delete a tag for a resource

DELETE /resource-tags/{resource_tag.value}/resources/{href}

Introduced In: 9.13

Deletes a specific tag on a specific resource.

Response

```
Status: 200, Ok
```

Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_error	

Example error

```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Retrieve a resource for a tag

GET `/resource-tags/{resource_tag.value}/resources/{href}`

Introduced In: 9.13

Retrieves a specific resource for a specific tag.

Parameters

Name	Type	In	Required	Description
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

Name	Type	Description
href	string	This property provides the address in the API at which the tagged resource is available. Additional queries can be made on this endpoint to fetch the resource's properties.
label	string	This is a human-readable classifier representing the type of thing that is pointed to by the href.
svm	svm	If the tagged resource belongs to an SVM, this property will be set. If the resource does not belong to an SVM (i.e. it belongs to the cluster as a whole), then this property will be empty and unreturned.

Example response

```
{
  "label": "volume",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_error	

Example error

```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

Name	Type	Description
self	href	

svm

If the tagged resource belongs to an SVM, this property will be set. If the resource does not belong to an SVM (i.e. it belongs to the cluster as a whole), then this property will be empty and unreturned.

Name	Type	Description
_links	_links	
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message

Name	Type	Description
target	string	The target parameter that caused the error.

Retrieve a resource tag

GET `/resource-tags/{value}`

Introduced In: 9.13

Retrieves a specific resource tag.

Parameters

Name	Type	In	Required	Description
value	string	path	True	• format: key:value
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

Name	Type	Description
num_resources	integer	The number of resources that are currently using this tag.
value	string	A key:value formatted string representing the tag's name.

Example response

```
{
    "value": "team:accounting"
}
```

Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_error	

Example error

```json
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.