Perform bulk import for CIFS user groups

REST API reference

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Table of Contents

Perform bulk import for CIFS user groups . . . 1
- Protocols CIFS users-and-groups bulk-import svm.uuid endpoint overview . . . 1
  - Overview . . . 1
  - Retrieving import status of the last bulk import . . . 1
  - Examples . . . 1
  - Retrieving bulk import information for CIFS local users, groups, and group memberships . . . 3
  - Retrieving status upload information of the last import operation for the specified URI . . . 4
- Retrieve import operation status for CIFS local users, groups, and group memberships . . . 5
  - Related ONTAP commands . . . 5
  - Parameters . . . 5
  - Response . . . 6
  - Error . . . 7
  - Definitions . . . 8
- Upload the bulk-import status of an SVM to a URI . . . 10
  - Important notes . . . 10
  - Required properties . . . 10
  - Optional properties . . . 10
  - Related ONTAP commands . . . 11
  - Parameters . . . 11
  - Request Body . . . 11
  - Response . . . 12
  - Error . . . 12
  - Definitions . . . 12
- Load CIFS local users, groups and group membership files from a URL . . . 14
  - Important notes . . . 15
  - Required properties . . . 15
  - Optional properties . . . 15
  - Related ONTAP commands . . . 15
  - Parameters . . . 15
  - Request Body . . . 16
  - Response . . . 17
  - Error . . . 18
  - Definitions . . . 19

Perform bulk import for CIFS user groups

Protocols CIFS users-and-groups bulk-import svm.uuid endpoint overview

Overview

Bulk import of the CIFS local users, groups and group membership information can be done from the specified Uniform Resource Identifier (URI). This replaces the existing contents of the CIFS local users, groups and group memberships. This API is used to bulk import from the specified URI, get the status of the last import and to upload the import status to the specified URI.

Retrieving import status of the last bulk import

The bulk-import GET endpoint retrieves the status of the last bulk-import operation of the specified SVM.

Examples

Retrieving the status of a successful bulk import

```
# The API:
/api/protocols/cifs/users-and-groups/bulk-import/{svm.uuid}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/users-and-groups/bulk-
import/6de1d39d-1473-11ec-b0cf-0050568e4acc" -H "accept: application/json"

# The response:
{
"svm": {
  "uuid": "6de1d39d-1473-11ec-b0cf-0050568e4acc",
  "name": "vs1",
  "_links": {
    "self": {
      "href": "/api/svm/svms/6de1d39d-1473-11ec-b0cf-0050568e4acc"
    }
  }
},
"import_uri": {
  "path":
"http://nbsweb.eng.btc.netapp.in/u/st/web/LUG_Import/Vserver1/user4.7z"
},
"state": "success",
"detailed_status": {
  "message": "Operation completed successfully.",
  "code": "0"
},
"elements_ignored": 0,
"elements_imported": 2,
"_links": {
  "self": {
    "href": "/api/protocols/cifs/users-and-groups/import/6de1d39d-1473-
11ec-b0cf-0050568e4acc"
  }
}
}
```

Retrieving the status of a bulk import that failed

```
# The API:
/api/protocols/cifs/users-and-groups/bulk-import/{svm.uuid}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/users-and-groups/bulk-
import/6de1d39d-1473-11ec-b0cf-0050568e4acc" -H "accept: application/json"

# The response:
{
"svm": {
  "uuid": "6de1d39d-1473-11ec-b0cf-0050568e4acc",
  "name": "vs1",
  "_links": {
    "self": {
      "href": "/api/svm/svms/6de1d39d-1473-11ec-b0cf-0050568e4acc"
    }
  }
},
"import_uri": {
  "path":
"http://nbsweb.eng.btc.netapp.in/u/st/web/LUG_Import/Vserver1/user5.7z"
},
"state": "success",
"detailed_status": {
  "message": "Failed parsing line 1 of the input file. Check syntax and
contents.",
  "code": "655698"
},
"elements_ignored": 0,
"elements_imported": 0,
"_links": {
  "self": {
    "href": "/api/protocols/cifs/users-and-groups/import/6de1d39d-1473-
11ec-b0cf-0050568e4acc"
  }
}
}
```

Retrieving bulk import information for CIFS local users, groups, and group memberships

```
# The API:
/api/protocols/cifs/users-and-groups/bulk-import/{svm.uuid}

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/cifs/users-and-groups/bulk-
import/6de1d39d-1473-11ec-b0cf-0050568e4acc" -H "accept: application/json"
-d
'{"import_uri.username":"user1","import_uri.password":"aaaa","decryption_p
assword":"cccc","import_uri.path":"http://example.com/file1.7z"}'

# The response:
{
"job": {
  "uuid": "e8293262-1af0-11ec-8243-0050568e4acc",
  "_links": {
    "self": {
      "href": "/api/cluster/jobs/e8293262-1af0-11ec-8243-0050568e4acc"
    }
  }
}
}
```

Retrieving status upload information of the last import operation for the specified URI

```
# The API:
/api/protocols/cifs/users-and-groups/bulk-import/{svm.uuid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/cifs/users-and-groups/bulk-
import/6de1d39d-1473-11ec-b0cf-0050568e4acc" -H "accept: application/json"
-d
'{"status_uri.username":"user1","status_uri.password":"aaaa","status_uri.p
ath":"http://example.com/fileupload.7z"}'

# The response:
{
"job": {
  "uuid": "e8293262-1af0-11ec-8243-0050568e4acd",
  "_links": {
    "self": {
      "href": "/api/cluster/jobs/e8293262-1af0-11ec-8243-0050568e4acd"
    }
  }
}
}
```

Retrieve import operation status for CIFS local users, groups, and group memberships

GET `/protocols/cifs/users-and-groups/bulk-import/{svm.uuid}`

Introduced In: 9.11

Retrieves information about the import operation status of the CIFS local users, groups, and group memberships.

Related ONTAP commands

- `vserver cifs users-and-groups import get-status`

Parameters

Name	Type	In	Required	Description
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

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

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
detailed_status	detailed_status	
elements_ignored	integer	Number of elements ignored.
elements_imported	integer	Number of elements successfully imported.
import_uri	import_uri	
state	string	Operation status.
status_uri	status_uri	
svm	svm	

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "detailed_status": {
    "code": "6684732",
    "message": "string"
  },
  "import_uri": {
    "path": "http://web.sample.com/web1/file1.7z"
  },
  "state": "string",
  "status_uri": {
    "path": "http://web.sample.com/web1/file1.7z"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```


Error

```
Status: Default, Error
```

Name	Type	Description
error	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	

detailed_status

Name	Type	Description
code	string	Code corresponding to the import status failure.
message	string	Detailed description of the import status.

import_uri

Name	Type	Description
path	string	URI from which to load the input file containing the CIFS local users and groups. The file must be encrypted using the 7zip utility. URI can be FTP or HTTP.

status_uri

Name	Type	Description
path	string	URI from which to load the input file containing the CIFS local users and groups. The file must be encrypted using the 7zip utility. URI can be FTP or HTTP.

svm

Name	Type	Description
_links	_links	
name	string	The name of the SVM.

Name	Type	Description
uuid	string	The unique identifier of the SVM.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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.

Upload the bulk-import status of an SVM to a URI

PATCH `/protocols/cifs/users-and-groups/bulk-import/{svm.uuid}`

Introduced In: 9.11

Upload the status of the bulk-import of the specified SVM to the specified URI.

Important notes

- Only the status of the last bulk-import will be uploaded and not the status of the previous bulk-imports.

Required properties

- status_uri.path - URI to which the status needs to be uploaded.

Optional properties

- status_uri.username - Username of the specified URI.
- status_uri.password - Password of the specified URI.

Related ONTAP commands

- `vserver cifs users-and-groups import get-status`

Parameters

Name	Type	In	Required	Description
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202. • Default value: 1 • Max value: 120 • Min value: 0
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Request Body

Name	Type	Description
status_uri	status_uri	
svm	svm	

Example request


```
{
  "status_uri": {
    "password": "string",
    "path": "http://web.sample.com/web1/file1.7z",
    "username": "user1"
  },
  "svm": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```


Response

```
Status: 202, Accepted
```

Name	Type	Description
job	job_link	

Example response


```
{
  "job": {
    "uuid": "string"
  }
}
```


Error

```
Status: Default, Error
```

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

detailed_status

Name	Type	Description
code	string	Code corresponding to the import status failure.
message	string	Detailed description of the import status.

import_uri

Name	Type	Description
password	string	Password of the specified URI.
path	string	URI from which to load the input file containing the CIFS local users and groups. The file must be encrypted using the 7zip utility. URI can be FTP or HTTP.
username	string	Username of the specified URI.

status_uri

Name	Type	Description
password	string	Password of the specified URI.
path	string	URI from which to load the input file containing the CIFS local users and groups. The file must be encrypted using the 7zip utility. URI can be FTP or HTTP.
username	string	Username of the specified URI.

svm

Name	Type	Description
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

local_cifs_users_and_groups_import

Name	Type	Description
status_uri	status_uri	
svm	svm	

job_link

Name	Type	Description
uuid	string	The UUID of the asynchronous job that is triggered by a POST, PATCH, or DELETE operation.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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.

Load CIFS local users, groups and group membership files from a URL

POST `/protocols/cifs/users-and-groups/bulk-import/{svm.uuid}`

Introduced In: 9.11

Loads CIFS local users,groups and group memberships file from the specified URL.

Important notes

Existing CIFS local users, groups, and group memberships will be replaced with the contents of the file.

Required properties

- import_uri.path
- decryption_password

Optional properties

- import_uri.username
- import_uri.password

Related ONTAP commands

- `vserver cifs users-and-groups import load-from-uri`

Parameters

Name	Type	In	Required	Description
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202. • Default value: 1 • Max value: 120 • Min value: 0
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Request Body

Name	Type	Description
decryption_password	string	Password to decrypt the compressed file.
import_uri	import_uri	
status_uri	status_uri	
svm	svm	

Example request


```
{
  "decryption_password": "string",
  "import_uri": {
    "password": "string",
    "path": "http://web.sample.com/web1/file1.7z",
    "username": "user1"
  },
  "status_uri": {
    "password": "string",
    "path": "http://web.sample.com/web1/file1.7z",
    "username": "user1"
  },
  "svm": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```


Response

```
Status: 202, Accepted
```

Name	Type	Description
job	job_link	

Example response


```
{
  "job": {
    "uuid": "string"
  }
}
```


Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
655688	Invalid file decryption password. Valid password characters are: a-z, A-Z, and 0-9.
655661	URI username, URI password and the file decryption password cannot exceed 128 characters.
655689	File decryption password cannot be empty.
655399	CIFS server does not exist.
655683	Domain Security Identifier is already present in Active Directory.
655685	Cluster is busy processing a local users and groups transition task.
655687	Unknown file schema version.
655690	Processing the import file failed. Check the file decryption password, compression format and content.
655691	Error occurred before processing the file. Verify the input parameters.
655692	Domain name that qualifies the local users and groups must match the CIFS server name.
655693	All local users and local groups must be prefixed with the NetBIOS domain name.
655693	Well-known user of group will not be present in this SVM.
655695	Group membership of the specified user will not be created.
655697	Failed processing a line of the bulk import file.
655698	Failed to parse a line of the bulk import file. Check the syntax and contents.
655699	Invalid number of elements in a line of the bulk import file.
655700	Failed processing a field index of a line in the input bulk import file.
655701	Unknown element type.
655702	Invalid URI.

Error Code	Description
655703	Failed to download the import file. Network error occurred.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

detailed_status

Name	Type	Description
code	string	Code corresponding to the import status failure.
message	string	Detailed description of the import status.

import_uri

Name	Type	Description
password	string	Password of the specified URI.
path	string	URI from which to load the input file containing the CIFS local users and groups. The file must be encrypted using the 7zip utility. URI can be FTP or HTTP.
username	string	Username of the specified URI.

status_uri

Name	Type	Description
password	string	Password of the specified URI.
path	string	URI from which to load the input file containing the CIFS local users and groups. The file must be encrypted using the 7zip utility. URI can be FTP or HTTP.
username	string	Username of the specified URI.

svm

Name	Type	Description
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

local_cifs_users_and_groups_import

Name	Type	Description
decryption_password	string	Password to decrypt the compressed file.
import_uri	import_uri	
status_uri	status_uri	
svm	svm	

job_link

Name	Type	Description
uuid	string	The UUID of the asynchronous job that is triggered by a POST, PATCH, or DELETE operation.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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.

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