

Manage CIFS shares

ONTAP 9.11.1 REST API reference

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Manage CIFS shares

Protocols CIFS shares endpoint overview

Overview

Before any users or applications can access data on the CIFS server over SMB, a CIFS share must be created with sufficient share permissions. CIFS share is a named access point in a volume which is tied to the CIFS server on the SVM. Before creating a CIFS share make sure that the path is valid within the scope of the SVM and that it is reachable.

Permissions can be assigned to this newly created share by specifying the 'acls' field. When a CIFS share is created, ONTAP creates a default ACL for this share with 'Full-Control' permissions for an 'Everyone' user.

Examples

Creating a CIFS share

To create a CIFS share for a CIFS server, use the following API. Note the *return_records=true* query parameter used to obtain the newly created entry in the response.

```
# The API:
POST /api/protocols/cifs/shares
# The call:
curl -X POST "https://<mgmt-
ip>/api/protocols/cifs/shares?return records=true" -H "accept:
application/json" -H "Content-Type: application/json" -d "{
\"access based enumeration\": false, \"acls\": [ { \"permission\":
\"no access\", \"type\": \"unix user\", \"user or group\": \"root\" } ],
\"change notify\": true, \"comment\": \"HR Department Share\",
\"encryption\": false, \"home directory\": false, \"name\": \"TEST\",
\"oplocks\": true, \"no strict security\": true, \"path\": \"/\", \"svm\":
{ \"name\": \"vs1\", \"uuid\": \"6d8e8870-8753-11eb-8d86-0050568ea61a\" },
\"unix symlink\": \"local\", \"show snapshot\": \"true\",
\"continuously available\": \"false\", \"namespace caching\": \"true\",
\"allow unencrypted access\": \"false\", \"file umask\": \"025\",
\"dir umask\": \"026\", \"offline files\": \"documents\",
\"vscan profile\": \"standard\", \"force group for create\": \"root\"}"
# The response:
"num records": 1,
"records": [
  {
```

```
"uuid": "6d8e8870-8753-11eb-8d86-0050568ea61a",
      "name": "vs1"
    "name": "TEST",
    "path": "/",
    "comment": "HR Department Share",
    "home directory": false,
    "oplocks": true,
    "access based enumeration": false,
    "change notify": true,
    "encryption": false,
    "unix symlink": "local",
    "acls": [
        "user or group": "root",
        "type": "unix_user",
        "permission": "no access",
        "winsid unixId": "0"
      }
    ],
    "no strict security": true,
    "show snapshot": true,
    "continuously available": false,
    "namespace caching": true,
    "allow unencrypted access": false,
    "file umask": 25,
    "dir umask": 26,
    "offline files": "documents",
    "vscan profile": "standard",
    "force group for create": "root"
  }
]
```

Retrieving CIFS Shares for all SVMs in the cluster

```
# The API:
GET /api/protocols/cifs/shares

# The call:
curl -X GET "https://<mgmt-</pre>
```

```
ip>/api/protocols/cifs/shares?fields=*&return records=true&return timeout=
15" -H "accept application/hal+json"
# The response:
"records": [
    "svm": {
      "uuid": "6d8e8870-8753-11eb-8d86-0050568ea61a",
     "name": "vs1",
      " links": {
        "self": {
          "href": "/api/svm/svms/6d8e8870-8753-11eb-8d86-0050568ea61a"
     }
    },
    "name": "c$",
    "path": "/",
    "home directory": false,
    "oplocks": true,
    "access based enumeration": false,
    "change notify": true,
    "encryption": false,
    "unix symlink": "local",
    "acls": [
        "user or group": "BUILTIN\\Administrators",
        "type": "windows",
        "permission": "full control"
     }
   ],
    "volume": {
     "name": "vol1",
      "uuid": "6f4fb33a-8753-11eb-8d86-0050568ea61a"
   },
    "show snapshot": false,
    "cache attribute": false,
    "continuously available": false,
    "namespace caching": false,
    "allow unencrypted access": true,
    "vscan profile": "standard",
    " links": {
     "self": {
        "href": "/api/protocols/cifs/shares/6d8e8870-8753-11eb-8d86-
0050568ea61a/c%24"
```

```
},
  {
    "svm": {
      "uuid": "6d8e8870-8753-11eb-8d86-0050568ea61a",
      "name": "vs1",
      " links": {
        "self": {
          "href": "/api/svm/svms/6d8e8870-8753-11eb-8d86-0050568ea61a"
      }
    },
    "name": "ipc$",
    "path": "/",
    "home directory": false,
    "oplocks": false,
    "access based enumeration": false,
    "change notify": false,
    "encryption": false,
    "volume": {
      "name": "vol1",
      "uuid": "6f4fb33a-8753-11eb-8d86-0050568ea61a"
    "show snapshot": false,
    "cache attribute": false,
    "continuously available": false,
    "namespace caching": false,
    "allow unencrypted access": false,
    "vscan profile": "standard",
    " links": {
      "self": {
        "href": "/api/protocols/cifs/shares/6d8e8870-8753-11eb-8d86-
0050568ea61a/ipc%24"
  },
    "svm": {
      "uuid": "6d8e8870-8753-11eb-8d86-0050568ea61a",
      "name": "vs1",
      " links": {
       "self": {
          "href": "/api/svm/svms/6d8e8870-8753-11eb-8d86-0050568ea61a"
        }
    },
```

```
"name": "TEST",
    "path": "/",
    "comment": "HR Department Share",
    "home directory": false,
    "oplocks": true,
    "access based enumeration": false,
    "change notify": true,
    "encryption": false,
    "unix symlink": "local",
    "acls": [
     {
        "user or group": "Everyone",
        "type": "windows",
       "permission": "full control"
      },
        "user or group": "root",
       "type": "unix_user",
        "permission": "no access"
    ],
    "volume": {
      "name": "vol1",
      "uuid": "6f4fb33a-8753-11eb-8d86-0050568ea61a"
    },
    "no strict security": true,
    "show snapshot": true,
    "cache attribute": true,
    "continuously available": false,
    "namespace caching": true,
    "allow unencrypted access": true,
    "file umask": 25,
    "dir umask": 26,
    "offline_files": "documents",
    "vscan profile": "standard",
    "force group for create": "root",
    " links": {
      "self": {
        "href": "/api/protocols/cifs/shares/6d8e8870-8753-11eb-8d86-
0050568ea61a/TEST"
   }
 }
"num records": 3,
" links": {
```

```
"self": {
    "href":
"/api/protocols/cifs/shares?fields=*&return_records=true&return_timeout=15
"
    }
}
```

Retrieving all CIFS Shares for all SVMs in the cluster for which the acls are configured for a "root" user

```
# The API:
GET /api/protocols/cifs/shares
# The call:
curl -X GET "https://<mgmt-</pre>
ip>/api/protocols/cifs/shares?acls.user or group=root&fields=*&return reco
rds=true&return_timeout=15" -H "accept: application/json"
# The response:
"records": [
    "svm": {
      "uuid": "6d8e8870-8753-11eb-8d86-0050568ea61a",
      "name": "vs1"
    "name": "TEST",
    "path": "/",
    "comment": "HR Department Share",
    "home directory": false,
    "oplocks": true,
    "access based enumeration": false,
    "change notify": true,
    "encryption": false,
    "unix symlink": "local",
    "acls": [
        "user or group": "Everyone",
        "type": "windows",
        "permission": "full control"
      },
```

```
"user_or_group": "root",
        "type": "unix user",
        "permission": "no access"
    ],
    "volume": {
      "name": "vol1",
      "uuid": "6f4fb33a-8753-11eb-8d86-0050568ea61a"
    "no strict security": true,
    "show snapshot": true,
    "cache attribute": true,
    "continuously available": false,
    "namespace caching": true,
    "allow unencrypted access": true,
    "file umask": 25,
    "dir umask": 26,
    "offline files": "documents",
    "vscan profile": "standard",
    "force group for create": "root"
  }
],
"num records": 1
```

Retrieving a specific CIFS share configuration for an SVM

The configuration being returned is identified by the UUID of its SVM and the name of the share.

```
# The API:
GET /api/protocols/cifs/shares/{svm.uuid}/{name}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/shares/6d8e8870-8753-
11eb-8d86-0050568ea61a/TEST" -H "accept: application/json"

# The response:
{
    "svm": {
        "uuid": "6d8e8870-8753-11eb-8d86-0050568ea61a",
        "name": "vs1"
},
    "name": "TEST",
    "path": "/",
    "comment": "HR Department Share",
    "home_directory": false,
```

```
"oplocks": true,
"access based enumeration": false,
"change notify": true,
"encryption": false,
"unix symlink": "local",
"acls": [
  {
    "user or group": "Everyone",
    "type": "windows",
    "permission": "full control"
  },
   "user or group": "root",
    "type": "unix user",
    "permission": "no access"
 }
],
"volume": {
 "name": "vol1",
  "uuid": "6f4fb33a-8753-11eb-8d86-0050568ea61a"
},
"no strict security": true,
"show snapshot": true,
"cache attribute": true,
"continuously_available": false,
"namespace_caching": true,
"allow unencrypted access": true,
"file umask": 25,
"dir umask": 26,
"offline files": "documents",
"vscan profile": "standard",
"force group for create": "root"
}
```

Updating a specific CIFS share for an SVM

The CIFS share being modified is identified by the UUID of its SVM and the CIFS share name. The CIFS share ACLs cannot be modified with this API.

```
# The API:
PATCH /api/protocols/cifs/shares/{svm.uuid}/{name}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/cifs/shares/6d8e8870-8753-
11eb-8d86-0050568ea61a/TEST" -H "accept: application/json" -H "Content-
Type: application/json" -d "{ \"access_based_enumeration\": true,
\"change_notify\": true, \"comment\": \"HR Department Share\",
\"encryption\": false, \"oplocks\": true, \"no_strict_security\": true,
\"path\": \"/\", \"unix_symlink\": \"widelink\", \"show_snapshot\":
\"false\", \"continuously_available\": \"true\", \"namespace_caching\":
\"false\", \"allow_unencrypted_access\": \"true\", \"file_umask\":
\"022\", \"dir_umask\": \"022\", \"offline_files\": \"programs\",
\"vscan_profile\": \"no_scan\", \"force_group_for_create\": \"root\"}"
```

Removing a specific CIFS share for an SVM

The CIFS share being removed is identified by the UUID of its SVM and the CIFS share name.

```
# The API:
DELETE /api/protocols/cifs/shares/{svm.uuid}/{name}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/cifs/shares/6d8e8870-8753-
11eb-8d86-0050568ea61a/test" -H "accept: application/json"
```

Retrieve CIFS shares

GET /protocols/cifs/shares

Introduced In: 9.6

Retrieves CIFS shares.

Related ONTAP commands

- vserver cifs share show
- vserver cifs share properties show

Learn more

DOC /protocols/cifs/shares

Parameters

Name	Туре	In	Required	Description
offline_files	string	query	False	• Introduced in: 9.10
force_group_for_cre ate	string	query	False	Filter by force_group_for_cre ate • Introduced in: 9.10
allow_unencrypted_ access	boolean	query	False	Filter by allow_unencrypted_ access • Introduced in: 9.11
namespace_caching	boolean	query	False	Filter by namespace_caching • Introduced in: 9.10
file_umask	integer	query	False	• Introduced in: 9.10
vscan_profile	string	query	False	Filter by vscan_profile • Introduced in: 9.10
name	string	query	False	Filter by namemaxLength: 80minLength: 1
comment	string	query	False	Filter by commentmaxLength: 256minLength: 1

Name	Туре	In	Required	Description
path	string	query	False	Filter by path • maxLength: 256 • minLength: 1
oplocks	boolean	query	False	Filter by oplocks
dir_umask	integer	query	False	Filter by dir_umask • Introduced in: 9.10
acls.permission	string	query	False	Filter by acls.permission
acls.type	string	query	False	Filter by acls.type
acls.user_or_group	string	query	False	Filter by acls.user_or_group
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
home_directory	boolean	query	False	Filter by home_directory
no_strict_security	boolean	query	False	Filter by no_strict_security • Introduced in: 9.9
access_based_enu meration	boolean	query	False	Filter by access_based_enu meration
show_snapshot	boolean	query	False	Filter by show_snapshot • Introduced in: 9.10
encryption	boolean	query	False	Filter by encryption

Name	Туре	In	Required	Description
continuously_availab le	boolean	query	False	Filter by continuously_availa ble • Introduced in: 9.10
volume.name	string	query	False	Filter by volume.name
volume.uuid	string	query	False	Filter by volume.uuid
unix_symlink	string	query	False	Filter by unix_symlink
change_notify	boolean	query	False	Filter by change_notify
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.
return_records	boolean	query	False	The default is true for GET calls. When set to false, only the number of records is returned. • Default value: 1

Name	Туре	In	Required	Description
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
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

Status: 200, Ok

Name	Туре	Description
_links	_links	
num_records	integer	Number of records
records	array[cifs_share]	

```
" links": {
  "next": {
   "href": "/api/resourcelink"
 },
 "self": {
   "href": "/api/resourcelink"
 }
},
"records": {
 " links": {
    "self": {
     "href": "/api/resourcelink"
   }
  },
  "acls": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    },
    "permission": "no access",
   "type": "windows",
   "user_or_group": "ENGDOMAIN\\ad_user"
  },
  "comment": "HR Department Share",
  "dir umask": 22,
  "file umask": 22,
  "name": "HR SHARE",
  "offline files": "none",
  "path": "/volume 1/eng vol/",
  "svm": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "unix symlink": "local",
  "volume": {
   " links": {
      "self": {
```

Error

```
Status: Default, Error
```

Name	Туре	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	Туре	Description
href	string	

_links

Name	Туре	Description
next	href	
self	href	

_links

Name	Туре	Description
self	href	

acls

The permissions that users and groups have on a CIFS share.

Name	Туре	Description
_links	_links	
permission	string	Specifies the access rights that a user or group has on the defined CIFS Share. The following values are allowed: • no_access - User does not have CIFS share access • read - User has only read access • change - User has change access • full_control - User has
		full_control access

Name	Туре	Description
type	string	Specifies the type of the user or group to add to the access control list of a CIFS share. The following values are allowed: • windows - Windows user or group • unix_user - UNIX user • unix_group - UNIX group
user_or_group	string	Specifies the user or group name to add to the access control list of a CIFS share.

svm

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

volume

Name	Туре	Description
_links	_links	
name	string	The name of the volume.
uuid	string	Unique identifier for the volume. This corresponds to the instance- uuid that is exposed in the CLI and ONTAPI. It does not change due to a volume move. • example: 028baa66-41bd- 11e9-81d5-00a0986138f7 • Introduced in: 9.6

cifs_share

CIFS share is a named access point in a volume. Before users and applications can access data on the CIFS server over SMB, a CIFS share must be created with sufficient share permission. CIFS shares are tied to the CIFS server on the SVM. When a CIFS share is created, ONTAP creates a default ACL for the share with Full Control permissions for Everyone.

Name	Туре	Description
_links	_links	
access_based_enumeration	boolean	If enabled, all folders inside this share are visible to a user based on that individual user access right; prevents the display of folders or other shared resources that the user does not have access to.
acls	array[acls]	
allow_unencrypted_access	boolean	Specifies whether or not the SMB2 clients are allowed to access the encrypted share.
change_notify	boolean	Specifies whether CIFS clients can request for change notifications for directories on this share.
comment	string	Specify the CIFS share descriptions.
continuously_available	boolean	Specifies whether or not the clients connecting to this share can open files in a persistent manner. Files opened in this way are protected from disruptive events, such as, failover and giveback.
dir_umask	integer	Directory Mode Creation Mask to be viewed as an octal number.
encryption	boolean	Specifies that SMB encryption must be used when accessing this share. Clients that do not support encryption are not able to access this share.
file_umask	integer	File Mode Creation Mask to be viewed as an octal number.

Name	Туре	Description
force_group_for_create	string	Specifies that all files that CIFS users create in a specific share belong to the same group (also called the "force-group"). The "force-group" must be a predefined group in the UNIX group database. This setting has no effect unless the security style of the volume is UNIX or mixed security style.
home_directory	boolean	Specifies whether or not the share is a home directory share, where the share and path names are dynamic. ONTAP home directory functionality automatically offer each user a dynamic share to their home directory without creating an individual SMB share for each user. The ONTAP CIFS home directory feature enable us to configure a share that maps to different directories based on the user that connects to it. Instead of creating a separate shares for each user, a single share with a home directory parameters can be created. In a home directory share, ONTAP dynamically generates the share-name and share-path by substituting %w, %u, and %d variables with the corresponding Windows user name, UNIX user name, and domain name, respectively. • Default value: • Introduced in: 9.6 • readCreate: 1

Name	Туре	Description
name	string	Specifies the name of the CIFS share that you want to create. If this is a home directory share then the share name includes the pattern as %w (Windows user name), %u (UNIX user name) and %d (Windows domain name) variables in any combination with this parameter to generate shares dynamically.
namespace_caching	boolean	Specifies whether or not the SMB clients connecting to this share can cache the directory enumeration results returned by the CIFS servers.
no_strict_security	boolean	Specifies whether or not CIFS clients can follow a unix symlinks outside the share boundaries.
offline_files	string	 Offline Files The supported values are: none - Clients are not permitted to cache files for offline access. manual - Clients may cache files that are explicitly selected by the user for offline access. documents - Clients may automatically cache files that are used by the user for offline access. programs - Clients may automatically cache files that are used by the user for offline access and may use those files in an offline mode even if the share is available.
oplocks	boolean	Specify whether opportunistic locks are enabled on this share. "Oplocks" allow clients to lock files and cache content locally, which can increase performance for file operations.

Name	Туре	Description
path	string	The fully-qualified pathname in the owning SVM namespace that is shared through this share. If this is a home directory share then the path should be dynamic by specifying the pattern %w (Windows user name), %u (UNIX user name), or %d (domain name) variables in any combination. ONTAP generates the path dynamically for the connected user and this path is appended to each search path to find the full Home Directory path. • example: /volume_1/eng_vol/ • maxLength: 256 • minLength: 1 • Introduced in: 9.6
show_snapshot	boolean	Specifies whether or not the Snapshot copies can be viewed and traversed by clients.
svm	svm	
unix_symlink	string	Controls the access of UNIX symbolic links to CIFS clients. The supported values are: • local - Enables only local symbolic links which is within the same CIFS share. • widelink - Enables both local symlinks and widelinks. • disable - Disables local symlinks and widelinks.
volume	volume	

Name	Туре	Description
vscan_profile	string	Vscan File-Operations Profile The supported values are:
		 no_scan - Virus scans are never triggered for accesses to this share.
		 standard - Virus scans can be triggered by open, close, and rename operations.
		 strict - Virus scans can be triggered by open, read, close, and rename operations.
		 writes_only - Virus scans can be triggered only when a file that has been modified is closed.

error_arguments

Name	Туре	Description
code	string	Argument code
message	string	Message argument

error

Name	Туре	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 CIFS share

POST /protocols/cifs/shares

Introduced In: 9.6

Creates a CIFS share.

Required properties

- svm.uuid or svm.name Existing SVM in which to create the CIFS share.
- name Name of the CIFS share.
- path Path in the owning SVM namespace that is shared through this share.

Recommended optional properties

- comment Optionally choose to add a text comment of up to 256 characters about the CIFS share.
- acls Optionally choose to add share permissions that users and groups have on the CIFS share.

Default property values

If not specified in POST, the following default property values are assigned:

- home directory false
- oplocks true
- access_based_enumeration false
- change notify true
- encryption false
- unix symlink local

Related ONTAP commands

- vserver cifs share create
- vserver cifs share properties add
- vserver cifs share access-control create

Learn more

• DOC /protocols/cifs/shares

Parameters

Name	Туре	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	Туре	Description
_links	_links	
access_based_enumeration	boolean	If enabled, all folders inside this share are visible to a user based on that individual user access right; prevents the display of folders or other shared resources that the user does not have access to.
acls	array[acls]	
allow_unencrypted_access	boolean	Specifies whether or not the SMB2 clients are allowed to access the encrypted share.
change_notify	boolean	Specifies whether CIFS clients can request for change notifications for directories on this share.
comment	string	Specify the CIFS share descriptions.
continuously_available	boolean	Specifies whether or not the clients connecting to this share can open files in a persistent manner. Files opened in this way are protected from disruptive events, such as, failover and giveback.
dir_umask	integer	Directory Mode Creation Mask to be viewed as an octal number.
encryption	boolean	Specifies that SMB encryption must be used when accessing this share. Clients that do not support encryption are not able to access this share.
file_umask	integer	File Mode Creation Mask to be viewed as an octal number.

Name	Туре	Description
force_group_for_create	string	Specifies that all files that CIFS users create in a specific share belong to the same group (also called the "force-group"). The "force-group" must be a predefined group in the UNIX group database. This setting has no effect unless the security style of the volume is UNIX or mixed security style.
home_directory	boolean	Specifies whether or not the share is a home directory share, where the share and path names are dynamic. ONTAP home directory functionality automatically offer each user a dynamic share to their home directory without creating an individual SMB share for each user. The ONTAP CIFS home directory feature enable us to configure a share that maps to different directories based on the user that connects to it. Instead of creating a separate shares for each user, a single share with a home directory parameters can be created. In a home directory share, ONTAP dynamically generates the sharename and share-path by substituting %w, %u, and %d variables with the corresponding Windows user name, UNIX user name, and domain name, respectively. • Default value: 1 • Introduced in: 9.6 • readCreate: 1
name	string	Specifies the name of the CIFS share that you want to create. If this is a home directory share then the share name includes the pattern as %w (Windows user name), %u (UNIX user name) and %d (Windows domain name) variables in any combination with this parameter to generate shares dynamically.

Name	Туре	Description
namespace_caching	boolean	Specifies whether or not the SMB clients connecting to this share can cache the directory enumeration results returned by the CIFS servers.
no_strict_security	boolean	Specifies whether or not CIFS clients can follow a unix symlinks outside the share boundaries.
offline_files	string	Offline Files The supported values are:
		 none - Clients are not permitted to cache files for offline access.
		 manual - Clients may cache files that are explicitly selected by the user for offline access.
		 documents - Clients may automatically cache files that are used by the user for offline access.
		 programs - Clients may automatically cache files that are used by the user for offline access and may use those files in an offline mode even if the share is available.
oplocks	boolean	Specify whether opportunistic locks are enabled on this share. "Oplocks" allow clients to lock files and cache content locally, which can increase performance for file operations.

Name	Туре	Description
path	string	The fully-qualified pathname in the owning SVM namespace that is shared through this share. If this is a home directory share then the path should be dynamic by specifying the pattern %w (Windows user name), %u (UNIX user name), or %d (domain name) variables in any combination. ONTAP generates the path dynamically for the connected user and this path is appended to each search path to find the full Home Directory path. • example: /volume_1/eng_vol/ • maxLength: 256 • minLength: 1 • Introduced in: 9.6
show_snapshot	boolean	Specifies whether or not the Snapshot copies can be viewed and traversed by clients.
svm	svm	
unix_symlink	string	Controls the access of UNIX symbolic links to CIFS clients. The supported values are: • local - Enables only local symbolic links which is within the same CIFS share. • widelink - Enables both local symlinks and widelinks. • disable - Disables local symlinks and widelinks.
volume	volume	

Name	Туре	Description
vscan_profile	string	Vscan File-Operations Profile The supported values are: • no_scan - Virus scans are never triggered for accesses to
		this share. • standard - Virus scans can be
		triggered by open, close, and rename operations.
		 strict - Virus scans can be triggered by open, read, close, and rename operations.
		 writes_only - Virus scans can be triggered only when a file that has been modified is closed.

```
" links": {
   "self": {
     "href": "/api/resourcelink"
   }
  },
  "acls": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    "permission": "no access",
    "type": "windows",
   "user_or_group": "ENGDOMAIN\\ad_user"
  "comment": "HR Department Share",
 "dir umask": 22,
 "file umask": 22,
 "name": "HR SHARE",
 "offline files": "none",
  "path": "/volume 1/eng vol/",
  "svm": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "unix symlink": "local",
 "volume": {
    " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    },
    "name": "volume1",
   "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
 "vscan profile": "no scan"
}
```

Response

Status: 201, Created

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
655628	CIFS Share Creation with property 'SMB_ENCRYPTION' failed because the CIFS server does not support SMB3.0
655551	CIFS Share Creation failed because the specified path does not exist
655577	The CIFS share name cannot be more than 80 characters long
655399	Failed to create CIFS share. The CIFS server does not exist for specified SVM
656422	Failed to create the home directory share because the directory shares must specify a path relative to one or more home directory search paths
656423	Failed to create CIFS share. The Shares must define an absolute share path
656424	Failed to create CIFS the administrator share 'c\$' because you are not permitted to created any admin shares
655625	Failed to create CIFS share. The Shares path is not a valid file-type for CIFS share
656426	CIFS Share Creation failed because the share name is invalid
655655	no-strict-security should be set to true only if unix_symlink is configured as "local" or "widelink"
655394	Failed to create CIFS share because share cannot be made continuously available unless running SMB3 or later.
4849678	Failed to create CIFS share because the specified UNIX group does not exist

Name	Туре	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	Туре	Description
href	string	

_links

Name	Туре	Description
self	href	

acls

The permissions that users and groups have on a CIFS share.

Name	Туре	Description
_links	_links	
permission	string	Specifies the access rights that a user or group has on the defined CIFS Share. The following values are allowed:
		 no_access - User does not have CIFS share access
		 read - User has only read access
		 change - User has change access
		full_control - User has full_control access
type	string	Specifies the type of the user or group to add to the access control list of a CIFS share. The following values are allowed: • windows - Windows user or group • unix_user - UNIX user
		unix_group - UNIX group
user_or_group	string	Specifies the user or group name to add to the access control list of a CIFS share.

svm

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

volume

Name	Туре	Description
_links	_links	
name	string	The name of the volume.
uuid	string	Unique identifier for the volume. This corresponds to the instance- uuid that is exposed in the CLI and ONTAPI. It does not change due to a volume move. • example: 028baa66-41bd- 11e9-81d5-00a0986138f7 • Introduced in: 9.6

cifs_share

CIFS share is a named access point in a volume. Before users and applications can access data on the CIFS server over SMB, a CIFS share must be created with sufficient share permission. CIFS shares are tied to the CIFS server on the SVM. When a CIFS share is created, ONTAP creates a default ACL for the share with Full Control permissions for Everyone.

Name	Туре	Description
_links	_links	
access_based_enumeration	boolean	If enabled, all folders inside this share are visible to a user based on that individual user access right; prevents the display of folders or other shared resources that the user does not have access to.
acls	array[acls]	
allow_unencrypted_access	boolean	Specifies whether or not the SMB2 clients are allowed to access the encrypted share.

Name	Туре	Description
change_notify	boolean	Specifies whether CIFS clients can request for change notifications for directories on this share.
comment	string	Specify the CIFS share descriptions.
continuously_available	boolean	Specifies whether or not the clients connecting to this share can open files in a persistent manner. Files opened in this way are protected from disruptive events, such as, failover and giveback.
dir_umask	integer	Directory Mode Creation Mask to be viewed as an octal number.
encryption	boolean	Specifies that SMB encryption must be used when accessing this share. Clients that do not support encryption are not able to access this share.
file_umask	integer	File Mode Creation Mask to be viewed as an octal number.
force_group_for_create	string	Specifies that all files that CIFS users create in a specific share belong to the same group (also called the "force-group"). The "force-group" must be a predefined group in the UNIX group database. This setting has no effect unless the security style of the volume is UNIX or mixed security style.

Name	Туре	Description
home_directory	boolean	Specifies whether or not the share is a home directory share, where the share and path names are dynamic. ONTAP home directory functionality automatically offer each user a dynamic share to their home directory without creating an individual SMB share for each user. The ONTAP CIFS home directory feature enable us to configure a share that maps to different directories based on the user that connects to it. Instead of creating a separate shares for each user, a single share with a home directory parameters can be created. In a home directory share, ONTAP dynamically generates the share-name and share-path by substituting %w, %u, and %d variables with the corresponding Windows user name, UNIX user name, and domain name, respectively. • Default value: 1 • Introduced in: 9.6 • readCreate: 1
name	string	Specifies the name of the CIFS share that you want to create. If this is a home directory share then the share name includes the pattern as %w (Windows user name), %u (UNIX user name) and %d (Windows domain name) variables in any combination with this parameter to generate shares dynamically.
namespace_caching	boolean	Specifies whether or not the SMB clients connecting to this share can cache the directory enumeration results returned by the CIFS servers.

Name	Туре	Description
no_strict_security	boolean	Specifies whether or not CIFS clients can follow a unix symlinks outside the share boundaries.
offline_files	string	 Offline Files The supported values are: none - Clients are not permitted to cache files for offline access. manual - Clients may cache files that are explicitly selected by the user for offline access. documents - Clients may automatically cache files that are used by the user for offline access. programs - Clients may automatically cache files that are used by the user for offline access and may use those files in an offline mode even if the share is available.
oplocks	boolean	Specify whether opportunistic locks are enabled on this share. "Oplocks" allow clients to lock files and cache content locally, which can increase performance for file operations.

Name	Туре	Description
path	string	The fully-qualified pathname in the owning SVM namespace that is shared through this share. If this is a home directory share then the path should be dynamic by specifying the pattern %w (Windows user name), %u (UNIX user name), or %d (domain name) variables in any combination. ONTAP generates the path dynamically for the connected user and this path is appended to each search path to find the full Home Directory path. • example: /volume_1/eng_vol/ • maxLength: 256 • minLength: 1 • Introduced in: 9.6
show_snapshot	boolean	Specifies whether or not the Snapshot copies can be viewed and traversed by clients.
svm	svm	
unix_symlink	string	Controls the access of UNIX symbolic links to CIFS clients. The supported values are: • local - Enables only local symbolic links which is within the same CIFS share. • widelink - Enables both local symlinks and widelinks. • disable - Disables local symlinks and widelinks.
volume	volume	

Name	Туре	Description
vscan_profile	string	Vscan File-Operations Profile The supported values are:
		 no_scan - Virus scans are never triggered for accesses to this share.
		 standard - Virus scans can be triggered by open, close, and rename operations.
		 strict - Virus scans can be triggered by open, read, close, and rename operations.
		 writes_only - Virus scans can be triggered only when a file that has been modified is closed.

error_arguments

Name	Туре	Description
code	string	Argument code
message	string	Message argument

error

Name	Туре	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 CIFS share

DELETE /protocols/cifs/shares/{svm.uuid}/{name}

Introduced In: 9.6

Deletes a CIFS share.

Related ONTAP commands

• vserver cifs share delete

Learn more

• DOC /protocols/cifs/shares

Parameters

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

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
655393	Standard admin shares cannot be removed

Name	Туре	Description
error	error	

Example error

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

Definitions

See Definitions

error arguments

Name	Туре	Description
code	string	Argument code
message	string	Message argument

error

Name	Туре	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 CIFS share

GET /protocols/cifs/shares/{svm.uuid}/{name}

Introduced In: 9.6

Retrieves a CIFS share.

Related ONTAP commands

- vserver cifs share show
- vserver cifs share properties show

Learn more

• DOC /protocols/cifs/shares

Parameters

Name	Туре	In	Required	Description
name	string	path	True	Share Name
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
fields	array[string]	query	False	Specify the fields to return.

Response

Status: 200, Ok

Name	Туре	Description
_links	_links	
access_based_enumeration	boolean	If enabled, all folders inside this share are visible to a user based on that individual user access right; prevents the display of folders or other shared resources that the user does not have access to.
acls	array[acls]	
allow_unencrypted_access	boolean	Specifies whether or not the SMB2 clients are allowed to access the encrypted share.
change_notify	boolean	Specifies whether CIFS clients can request for change notifications for directories on this share.

Name	Туре	Description
comment	string	Specify the CIFS share descriptions.
continuously_available	boolean	Specifies whether or not the clients connecting to this share can open files in a persistent manner. Files opened in this way are protected from disruptive events, such as, failover and giveback.
dir_umask	integer	Directory Mode Creation Mask to be viewed as an octal number.
encryption	boolean	Specifies that SMB encryption must be used when accessing this share. Clients that do not support encryption are not able to access this share.
file_umask	integer	File Mode Creation Mask to be viewed as an octal number.
force_group_for_create	string	Specifies that all files that CIFS users create in a specific share belong to the same group (also called the "force-group"). The "force-group" must be a predefined group in the UNIX group database. This setting has no effect unless the security style of the volume is UNIX or mixed security style.

Name	Туре	Description
home_directory	boolean	Specifies whether or not the share is a home directory share, where the share and path names are dynamic. ONTAP home directory functionality automatically offer each user a dynamic share to their home directory without creating an individual SMB share for each user. The ONTAP CIFS home directory feature enable us to configure a share that maps to different directories based on the user that connects to it. Instead of creating a separate shares for each user, a single share with a home directory parameters can be created. In a home directory share, ONTAP dynamically generates the sharename and share-path by substituting %w, %u, and %d variables with the corresponding Windows user name, UNIX user name, and domain name, respectively. • Default value: 1 • Introduced in: 9.6 • readCreate: 1
name namespace_caching	string	Specifies the name of the CIFS share that you want to create. If this is a home directory share then the share name includes the pattern as %w (Windows user name), %u (UNIX user name) and %d (Windows domain name) variables in any combination with this parameter to generate shares dynamically.
, _ 3		clients connecting to this share can cache the directory enumeration results returned by the CIFS servers.
no_strict_security	boolean	Specifies whether or not CIFS clients can follow a unix symlinks outside the share boundaries.

Name	Туре	Description
offline_files	string	 Offline Files The supported values are: none - Clients are not permitted to cache files for offline access. manual - Clients may cache files that are explicitly selected by the user for offline access. documents - Clients may automatically cache files that are used by the user for offline access. programs - Clients may automatically cache files that are used by the user for offline access and may use those files in an offline mode even if the share is available.
oplocks	boolean	Specify whether opportunistic locks are enabled on this share. "Oplocks" allow clients to lock files and cache content locally, which can increase performance for file operations.
path	string	The fully-qualified pathname in the owning SVM namespace that is shared through this share. If this is a home directory share then the path should be dynamic by specifying the pattern %w (Windows user name), %u (UNIX user name), or %d (domain name) variables in any combination. ONTAP generates the path dynamically for the connected user and this path is appended to each search path to find the full Home Directory path. • example: /volume_1/eng_vol/ • maxLength: 256 • minLength: 1 • Introduced in: 9.6

Name	Туре	Description
show_snapshot	boolean	Specifies whether or not the Snapshot copies can be viewed and traversed by clients.
svm	svm	
unix_symlink	string	Controls the access of UNIX symbolic links to CIFS clients. The supported values are: • local - Enables only local symbolic links which is within the same CIFS share. • widelink - Enables both local symlinks and widelinks. • disable - Disables local symlinks and widelinks.
volume	volume	
vscan_profile	string	Vscan File-Operations Profile The supported values are: • no_scan - Virus scans are never triggered for accesses to this share. • standard - Virus scans can be triggered by open, close, and rename operations. • strict - Virus scans can be triggered by open, read, close, and rename operations. • writes_only - Virus scans can be triggered only when a file that has been modified is closed.

```
" links": {
   "self": {
     "href": "/api/resourcelink"
   }
  },
  "acls": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    "permission": "no access",
    "type": "windows",
   "user_or_group": "ENGDOMAIN\\ad_user"
  "comment": "HR Department Share",
 "dir umask": 22,
 "file umask": 22,
 "name": "HR SHARE",
 "offline files": "none",
 "path": "/volume 1/eng vol/",
  "svm": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "unix symlink": "local",
 "volume": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    },
    "name": "volume1",
   "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
 "vscan profile": "no scan"
}
```

Error

```
Status: Default, Error
```

Name	Туре	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	Туре	Description
href	string	

_links

Name	Туре	Description
self	href	

acls

The permissions that users and groups have on a CIFS share.

Name	Туре	Description
_links	_links	
permission	string	Specifies the access rights that a user or group has on the defined CIFS Share. The following values are allowed:
		 no_access - User does not have CIFS share access
		 read - User has only read access
		 change - User has change access
		full_control - User has full_control access
type	string	Specifies the type of the user or group to add to the access control list of a CIFS share. The following values are allowed: • windows - Windows user or group • unix_user - UNIX user • unix_group - UNIX group
user_or_group	string	Specifies the user or group name to add to the access control list of a CIFS share.

svm

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

volume

Name	Туре	Description
_links	_links	
name	string	The name of the volume.
uuid	string	Unique identifier for the volume. This corresponds to the instance- uuid that is exposed in the CLI and ONTAPI. It does not change due to a volume move. • example: 028baa66-41bd- 11e9-81d5-00a0986138f7 • Introduced in: 9.6

error_arguments

Name	Туре	Description
code	string	Argument code
message	string	Message argument

error

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

Update a CIFS share

PATCH /protocols/cifs/shares/{svm.uuid}/{name}

Introduced In: 9.6

Updates a CIFS share.

Related ONTAP commands

- vserver cifs share modify
- vserver cifs share properties add
- vserver cifs share properties remove

Learn more

• DOC /protocols/cifs/shares

Parameters

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

Request Body

Name	Туре	Description
_links	_links	
access_based_enumeration	boolean	If enabled, all folders inside this share are visible to a user based on that individual user access right; prevents the display of folders or other shared resources that the user does not have access to.
acls	array[acls]	
allow_unencrypted_access	boolean	Specifies whether or not the SMB2 clients are allowed to access the encrypted share.

Name	Туре	Description
change_notify	boolean	Specifies whether CIFS clients can request for change notifications for directories on this share.
comment	string	Specify the CIFS share descriptions.
continuously_available	boolean	Specifies whether or not the clients connecting to this share can open files in a persistent manner. Files opened in this way are protected from disruptive events, such as, failover and giveback.
dir_umask	integer	Directory Mode Creation Mask to be viewed as an octal number.
encryption	boolean	Specifies that SMB encryption must be used when accessing this share. Clients that do not support encryption are not able to access this share.
file_umask	integer	File Mode Creation Mask to be viewed as an octal number.
force_group_for_create	string	Specifies that all files that CIFS users create in a specific share belong to the same group (also called the "force-group"). The "force-group" must be a predefined group in the UNIX group database. This setting has no effect unless the security style of the volume is UNIX or mixed security style.

Name	Туре	Description
home_directory	boolean	Specifies whether or not the share is a home directory share, where the share and path names are dynamic. ONTAP home directory functionality automatically offer each user a dynamic share to their home directory without creating an individual SMB share for each user. The ONTAP CIFS home directory feature enable us to configure a share that maps to different directories based on the user that connects to it. Instead of creating a separate shares for each user, a single share with a home directory parameters can be created. In a home directory share, ONTAP dynamically generates the sharename and share-path by substituting %w, %u, and %d variables with the corresponding Windows user name, UNIX user name, and domain name, respectively. • Default value: 1 • Introduced in: 9.6 • readCreate: 1
name namespace_caching	string	Specifies the name of the CIFS share that you want to create. If this is a home directory share then the share name includes the pattern as %w (Windows user name), %u (UNIX user name) and %d (Windows domain name) variables in any combination with this parameter to generate shares dynamically.
, _ 3		clients connecting to this share can cache the directory enumeration results returned by the CIFS servers.
no_strict_security	boolean	Specifies whether or not CIFS clients can follow a unix symlinks outside the share boundaries.

Name	Туре	Description
offline_files	string	 Offline Files The supported values are: none - Clients are not permitted to cache files for offline access. manual - Clients may cache files that are explicitly selected by the user for offline access. documents - Clients may automatically cache files that are used by the user for offline access. programs - Clients may automatically cache files that are used by the user for offline access and may use those files in an offline mode even if the share is available.
oplocks	boolean	Specify whether opportunistic locks are enabled on this share. "Oplocks" allow clients to lock files and cache content locally, which can increase performance for file operations.
path	string	The fully-qualified pathname in the owning SVM namespace that is shared through this share. If this is a home directory share then the path should be dynamic by specifying the pattern %w (Windows user name), %u (UNIX user name), or %d (domain name) variables in any combination. ONTAP generates the path dynamically for the connected user and this path is appended to each search path to find the full Home Directory path. • example: /volume_1/eng_vol/ • maxLength: 256 • minLength: 1 • Introduced in: 9.6

Name	Туре	Description
show_snapshot	boolean	Specifies whether or not the Snapshot copies can be viewed and traversed by clients.
svm	svm	
unix_symlink	string	Controls the access of UNIX symbolic links to CIFS clients. The supported values are: • local - Enables only local symbolic links which is within the same CIFS share. • widelink - Enables both local symlinks and widelinks. • disable - Disables local symlinks and widelinks.
volume	volume	
vscan_profile	string	Vscan File-Operations Profile The supported values are: • no_scan - Virus scans are never triggered for accesses to this share. • standard - Virus scans can be triggered by open, close, and rename operations. • strict - Virus scans can be triggered by open, read, close, and rename operations. • writes_only - Virus scans can be triggered only when a file that has been modified is closed.

```
" links": {
   "self": {
     "href": "/api/resourcelink"
   }
  },
  "acls": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    "permission": "no access",
    "type": "windows",
   "user_or_group": "ENGDOMAIN\\ad_user"
  "comment": "HR Department Share",
 "dir umask": 22,
 "file umask": 22,
 "name": "HR SHARE",
 "offline files": "none",
  "path": "/volume 1/eng vol/",
  "svm": {
   " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "unix symlink": "local",
 "volume": {
    " links": {
     "self": {
       "href": "/api/resourcelink"
     }
    },
    "name": "volume1",
   "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
 "vscan profile": "no scan"
}
```

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description	
655628	'SMB_ENCRYPTION' property cannot be set on CIFS share because the CIFS server does not support SMB3.0	
655551	CIFS Share modification failed because the specified path does not exist	
655620	Cannot set symlink properties for admin shares	
656420	Cannot modify the standard share ipc\$	
656421	Cannot modify the standard share admin\$	
656422	Failed to modify the home directory share because the directory shares must specify a path relative to one or more home directory search paths	
656423	Failed to modify CIFS share. The Shares must define an absolute share path	
656425	Failed to modify the CIFS share because the path for an administrative share cannot be modified	
655395	Failed to modify the CIFS share because share cannot be made continuously available unless running SMB3 or later.	
4849678	Failed to modify the CIFS share because the specified UNIX group does not exist	

Name	Туре	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	Туре	Description
href	string	

_links

Name	Туре	Description
self	href	

acls

The permissions that users and groups have on a CIFS share.

Name	Туре	Description
_links	_links	
permission	string	Specifies the access rights that a user or group has on the defined CIFS Share. The following values are allowed:
		 no_access - User does not have CIFS share access
		 read - User has only read access
		 change - User has change access
		full_control - User has full_control access
type	string	Specifies the type of the user or group to add to the access control list of a CIFS share. The following values are allowed: • windows - Windows user or group • unix_user - UNIX user • unix_group - UNIX group
user_or_group	string	Specifies the user or group name to add to the access control list of a CIFS share.

svm

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

volume

Name	Туре	Description
_links	_links	
name	string	The name of the volume.
uuid	string	Unique identifier for the volume. This corresponds to the instance- uuid that is exposed in the CLI and ONTAPI. It does not change due to a volume move. • example: 028baa66-41bd- 11e9-81d5-00a0986138f7 • Introduced in: 9.6

cifs_share

CIFS share is a named access point in a volume. Before users and applications can access data on the CIFS server over SMB, a CIFS share must be created with sufficient share permission. CIFS shares are tied to the CIFS server on the SVM. When a CIFS share is created, ONTAP creates a default ACL for the share with Full Control permissions for Everyone.

Name	Туре	Description
_links	_links	
access_based_enumeration	boolean	If enabled, all folders inside this share are visible to a user based on that individual user access right; prevents the display of folders or other shared resources that the user does not have access to.
acls	array[acls]	
allow_unencrypted_access	boolean	Specifies whether or not the SMB2 clients are allowed to access the encrypted share.

Name	Туре	Description
change_notify	boolean	Specifies whether CIFS clients can request for change notifications for directories on this share.
comment	string	Specify the CIFS share descriptions.
continuously_available	boolean	Specifies whether or not the clients connecting to this share can open files in a persistent manner. Files opened in this way are protected from disruptive events, such as, failover and giveback.
dir_umask	integer	Directory Mode Creation Mask to be viewed as an octal number.
encryption	boolean	Specifies that SMB encryption must be used when accessing this share. Clients that do not support encryption are not able to access this share.
file_umask	integer	File Mode Creation Mask to be viewed as an octal number.
force_group_for_create	string	Specifies that all files that CIFS users create in a specific share belong to the same group (also called the "force-group"). The "force-group" must be a predefined group in the UNIX group database. This setting has no effect unless the security style of the volume is UNIX or mixed security style.

Name	Туре	Description
home_directory	boolean	Specifies whether or not the share is a home directory share, where the share and path names are dynamic. ONTAP home directory functionality automatically offer each user a dynamic share to their home directory without creating an individual SMB share for each user. The ONTAP CIFS home directory feature enable us to configure a share that maps to different directories based on the user that connects to it. Instead of creating a separate shares for each user, a single share with a home directory parameters can be created. In a home directory share, ONTAP dynamically generates the share-name and share-path by substituting %w, %u, and %d variables with the corresponding Windows user name, UNIX user name, and domain name, respectively. • Default value: 1 • Introduced in: 9.6 • readCreate: 1
name	string	Specifies the name of the CIFS share that you want to create. If this is a home directory share then the share name includes the pattern as %w (Windows user name), %u (UNIX user name) and %d (Windows domain name) variables in any combination with this parameter to generate shares dynamically.
namespace_caching	boolean	Specifies whether or not the SMB clients connecting to this share can cache the directory enumeration results returned by the CIFS servers.

Name	Туре	Description
no_strict_security	boolean	Specifies whether or not CIFS clients can follow a unix symlinks outside the share boundaries.
offline_files	string	 Offline Files The supported values are: none - Clients are not permitted to cache files for offline access. manual - Clients may cache files that are explicitly selected by the user for offline access. documents - Clients may automatically cache files that are used by the user for offline access. programs - Clients may automatically cache files that are used by the user for offline access and may use those files in an offline mode even if the share is available.
oplocks	boolean	Specify whether opportunistic locks are enabled on this share. "Oplocks" allow clients to lock files and cache content locally, which can increase performance for file operations.

Name	Туре	Description
path	string	The fully-qualified pathname in the owning SVM namespace that is shared through this share. If this is a home directory share then the path should be dynamic by specifying the pattern %w (Windows user name), %u (UNIX user name), or %d (domain name) variables in any combination. ONTAP generates the path dynamically for the connected user and this path is appended to each search path to find the full Home Directory path. • example: /volume_1/eng_vol/ • maxLength: 256 • minLength: 1 • Introduced in: 9.6
show_snapshot	boolean	Specifies whether or not the Snapshot copies can be viewed and traversed by clients.
svm	svm	
unix_symlink	string	Controls the access of UNIX symbolic links to CIFS clients. The supported values are: • local - Enables only local symbolic links which is within the same CIFS share. • widelink - Enables both local symlinks and widelinks. • disable - Disables local symlinks and widelinks.
volume	volume	

Name	Туре	Description
vscan_profile	string	Vscan File-Operations Profile The supported values are:
		 no_scan - Virus scans are never triggered for accesses to this share.
		 standard - Virus scans can be triggered by open, close, and rename operations.
		 strict - Virus scans can be triggered by open, read, close, and rename operations.
		 writes_only - Virus scans can be triggered only when a file that has been modified is closed.

error_arguments

Name	Туре	Description
code	string	Argument code
message	string	Message argument

error

Name	Туре	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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