Use SMB share properties

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Use SMB share properties

Use SMB share properties overview

You can customize the properties of SMB shares.

The available share properties are as follows:

Share properties	Description
`oplocks`	This property specifies that the share uses opportunistic locks, also known as client-side caching.
`browsable`	This property allows Windows clients to browse the share.
`showsnapshot`	This property specifies that Snapshot copies can be viewed and traversed by clients.
`changenotify`	This property specifies that the share supports Change Notify requests. For shares on an SVM, this is a default initial property.
`attributecache`	This property enables the file attribute caching on the SMB share to provide faster access of attributes. The default is to disable attribute caching. This property should be enabled only if there are clients connecting to shares over SMB 1.0. This share property is not applicable if clients are connecting to shares over SMB 2.x or SMB 3.0.
`continuously-available`	This property permits SMB clients that support it to open files in a persistent manner. Files opened this way are protected from disruptive events, such as failover and giveback.
`branchcache`	This property specifies that the share allows clients to request BranchCache hashes on the files within this share. This option is useful only if you specify “per-share” as the operating mode in the CIFS BranchCache configuration.
`access-based-enumeration`	This property specifies that *Access Based Enumeration* (ABE) is enabled on this share. ABE-filtered shared folders are visible to a user based on that individual user’s access rights, preventing the display of folders or other shared resources that the user does not have rights to access.

Share properties	Description
`namespace-caching`	This property specifies that the SMB clients connecting to this share can cache the directory enumeration results returned by the CIFS servers, which can provide better performance. By default, SMB 1 clients do not cache directory enumeration results. Because SMB 2 and SMB 3 clients cache directory enumeration results by default, specifying this share property provides performance benefits only to SMB 1 client connections.
`encrypt-data`	This property specifies that SMB encryption must be used when accessing this share. SMB clients that do not support encryption when accessing SMB data will not be able to access this share.

Add or remove share properties on an existing SMB share

You can customize an existing SMB share by adding or removing share properties. This can be useful if you want to change the share configuration to meet changing requirements in your environment.

Before you begin

The share whose properties you want to modify must exist.

About this task

Guidelines for adding share properties:

- You can add one or more share properties by using a comma-delimited list.
- Any share properties that you have previously specified remain in effect.

  Newly added properties are appended to the existing list of share properties.
- If you specify a new value for share properties that are already applied to the share, the newly specified value replaces the original value.
- You cannot remove share properties by using the `vserver cifs share properties add` command.

  You can use the `vserver cifs share properties remove` command to remove share properties.

Guidelines for removing share properties:

- You can remove one or more share properties by using a comma-delimited list.
- Any share properties that you have previously specified but do not remove remain in effect.

Steps

1. Enter the appropriate command:

If you want to…	Enter the command…
Add share properties	`vserver cifs share properties add -vserver _vserver_name_ -share-name _share_name_ -share-properties _properties_,...`
Remove share properties	`vserver cifs share properties remove -vserver _vserver_name_ -share-name _share_name_ -share-properties _properties_,...`

2. Verify the share property settings: `vserver cifs share show -vserver vserver_name -share -name share_name`

Examples

The following command adds the `showsnapshot` share property to a share named “share1” on SVM vs1:

```
cluster1::> vserver cifs share properties add -vserver vs1 -share-name
share1 -share-properties showsnapshot

cluster1::> vserver cifs share show -vserver vs1
Vserver    Share   Path      Properties   Comment    ACL
---------  ------  --------  ----------   --------   -----------
vs1        share1  /share1   oplocks      -          Everyone / Full
Control
                             browsable
                             changenotify
                             showsnapshot
```

The following command removes the `browsable` share property from a share named “share2” on SVM vs1:

```
cluster1::> vserver cifs share properties remove -vserver vs1 -share-name
share2 -share-properties browsable

cluster1::> vserver cifs share show -vserver vs1
Vserver    Share   Path      Properties   Comment    ACL
---------  ------  --------  ----------   --------   -----------
vs1        share2  /share2   oplocks      -          Everyone / Full
Control
                             changenotify
```

Related information

Commands for managing SMB shares

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