Disable BranchCache on SMB shares

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Disable BranchCache on SMB shares

Disable BranchCache on SMB shares overview

If you do not want to provide BranchCache caching services on certain SMB shares but you might want to provide caching services on those shares later, you can disable BranchCache on a share-by-share basis. If you have BranchCache configured to offer caching on all shares but you want to temporarily disable all caching services, you can modify the BranchCache configuration to stop automatic caching on all shares.

If BranchCache on an SMB share is subsequently disabled after first being enabled, ONTAP stops sending metadata to the requesting client. A client that needs data retrieves it directly from the content server (CIFS server on the storage virtual machine (SVM)).

Related information

Configuring BranchCache-enabled SMB shares

Disable BranchCache on a single SMB share

If you do not want to offer caching services on certain shares that previously offered cached content, you can disable BranchCache on an existing SMB share.

Step

1. Enter the following command: `vserver cifs share properties remove -vserver vserver_name -share-name share_name -share-properties branchcache`

   The BranchCache share property is removed. Other applied share properties remain in effect.

Example

The following command disables BranchCache on an existing SMB share named “data2”:

```
cluster1::> vserver cifs share show -vserver vs1 -share-name data2

                      Vserver: vs1
                        Share: data2
     CIFS Server NetBIOS Name: VS1
                         Path: /data2
            Share Properties: oplocks
                              browsable
                              changenotify
                              attributecache
                              branchcache
           Symlink Properties: -
      File Mode Creation Mask: -
 Directory Mode Creation Mask: -
                Share Comment: -
                    Share ACL: Everyone / Full Control
File Attribute Cache Lifetime: 10s
                  Volume Name: -
                Offline Files: manual
Vscan File-Operations Profile: standard

cluster1::> vserver cifs share properties remove -vserver vs1 -share-name
data2 -share-properties branchcache

cluster1::> vserver cifs share show -vserver vs1 -share-name data2

                      Vserver: vs1
                        Share: data2
     CIFS Server NetBIOS Name: VS1
                         Path: /data2
            Share Properties: oplocks
                              browsable
                              changenotify
                              attributecache
           Symlink Properties: -
      File Mode Creation Mask: -
 Directory Mode Creation Mask: -
                Share Comment: -
                    Share ACL: Everyone / Full Control
File Attribute Cache Lifetime: 10s
                  Volume Name: -
                Offline Files: manual
Vscan File-Operations Profile: standard
```

Stop automatic caching on all SMB shares

If your BranchCache configuration automatically enables caching on all SMB shares on each storage virtual machine (SVM), you can modify the BranchCache configuration to stop automatically caching content for all SMB shares.

About this task

To stop automatic caching on all SMB shares, you change the BranchCache operating mode to per-share caching.

Steps

1. Configure BranchCache to stop automatic caching on all SMB shares: `vserver cifs branchcache modify -vserver vserver_name -operating-mode per-share`
2. Verify that the BranchCache configuration is correct: `vserver cifs branchcache show -vserver vserver_name`

Example

The following command changes the BranchCache configuration on storage virtual machine (SVM, formerly known as Vserver) vs1 to stop automatic caching on all SMB shares:

```
cluster1::> vserver cifs branchcache modify -vserver vs1 -operating-mode
per-share

cluster1::> vserver cifs branchcache show -vserver vs1

                                Vserver: vs1
          Supported BranchCache Versions: enable_all
                     Path to Hash Store: /hash_data
          Maximum Size of the Hash Store: 20GB
Encryption Key Used to Secure the Hashes: -
        CIFS BranchCache Operating Modes: per_share
```

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