



# **Performing a single-file restore in a SAN environment**

**Snap Creator Framework**

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# Performing a single-file restore in a SAN environment

For single-file restores in a SAN environment, you can use SnapDrive to mount the Snapshot copy on the Snap Creator Agent host. You can then copy the file you want to restore to the Data Restore Directory and use a Snap Creator custom action to complete restore processing.

## Related information

[Using SnapDrive to mount a Snapshot copy](#)

[Copying the file to the Data Restore Directory](#)

[Using a Snap Creator custom action to complete restore processing](#)

[Disconnecting the Snapshot Copy](#)

## Using SnapDrive to mount a Snapshot copy

You can use SnapDrive to mount the Snapshot copy for the file you want to restore. You can then manually copy the file to the Data Restore Directory.

The following procedure shows how to use SnapDrive for Windows to mount a Snapshot copy on a Windows Server 2008 host. SnapDrive for Windows and the Snap Creator Agent must be running on the host.

1. In Server Manager, click **Storage > SnapDrive > physical\_server\_name > Disks**.
2. In the Disk Identification pane, navigate to the Snapshot copy that contains the copy of the file you want to restore and choose **Connect Disk** in the right-click menu.

The Connect Disk wizard opens.

Throughout the Connect Disk wizard, click **Next** to advance to the next page. Click **Back** to return to the previous page.



Make a note of the name of the Snapshot copy. You will need the name when you copy the file to the Data Restore Directory.

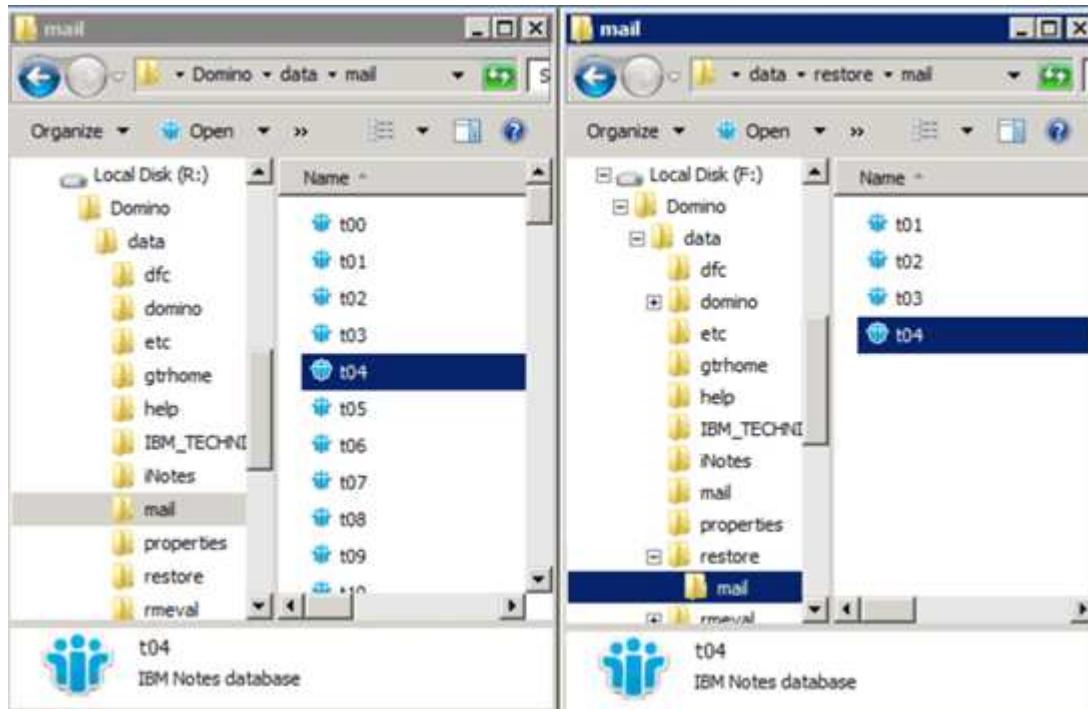
3. On the Provide a Storage System Name, Lun Path and Name page, optionally enter descriptive text for the LUN.
4. On the Select a LUN Type page, leave the default.
5. On the Select LUN Properties page, select the drive letter or mount point for the Snapshot copy.
6. On the iSCSI initiator/FC host bus adapter (HBA) page, select the iSCSI initiator or FC host bus adapter (HBA).
7. On the Management Type page, select the management type you want to use to map to the LUN: automatic or manual.
8. Click **Finish** to mount the Snapshot copy to the specified mount point.

# Copying the file to the Data Restore Directory

After you have mounted the Snapshot copy for the file you want to restore, you can copy the file to the Data Restore Directory specified in the backup and restore configuration file.

1. Copy the file to be restored from the mounted Snapshot copy.
2. Paste the file in the Data Restore Directory specified in the backup and restore configuration file.

The following example shows how you might copy the database file t04.nsf from the Snapshot copy mounted on the R: drive to the Data Restore Directory specified in the configuration file.



## Using a Snap Creator custom action to complete restore processing

You can use a Snap Creator custom action to complete processing of restores originated outside of Snap Creator.

You can perform this action in the Snap Creator CLI only.

1. In the Snap Creator CLI, enter the following command: `snapshotcreator.exe ---action custom --server server --port port --user user --passwd password --profile profile --config config --params snapname=snapshot_name datapath=datapath restorettype=u2m | su2m restorettime="MM/DD/YYYY HH:MM:SS" disablereplication=Y|N`

where

- server is the host name or IP address of the Snap Creator Server.
- port is the port number where the Snap Creator Server is running.

- user is the name of the Snap Creator user.
- password is the Snap Creator user’s password.



You can omit the --passwd option if you do not want to type the password in clear text. Snap Creator will prompt for the password when you execute the command

- profile is the name of the Snap Creator profile.
- config is the name of the Snap Creator configuration file.
- snapshot\_name is the name of the Snapshot copy from which you want to restore the file.
- datapath is the pathname of the directory to which you want to restore the file.
- restoretyle is the type of restore to be performed:
  - u2m performs an up-to-the-minute restore.
  - su2m performs a selectable up-to-the-minute restore. Specify the date and time to which you want to play forward Domino transaction logs in MM/DD/YYYY HH:MM:SS format in the --restorettime option. For example, 01/23/2014 12:45:00.
- disablereplication disables Domino replication:
  - Enter N (default) to allow Domino replication. The plug-in uses an existing Domino replica ID for the restored database file.



An alternative method to allow Domino replication is to leave this parameter out of the command.

- Enter Y to disable Domino replication. The plug-in sets a new Domino replica ID for the restored database file. NOTE: Appending --verbose to the command will show additional information about the restore operation. Otherwise, you are immediately returned to the command prompt when the command finishes executing.

```
snapshot.exe --action custom --server Tampico --port 8443
--user admin --profile Domino --config Nantes
--params snapname=Nantes-Test_Policy_20140123121459
datapath=F:\Domino\data\restore\mail\t04.nsf
restoretyle=su2m restorettime="01/23/2014 12:45:00"
disablereplication=y
```

## Disconnecting the Snapshot Copy

You need to disconnect the mounted Snapshot copy when the restore operation is complete.

The following procedure shows how to disconnect a mounted Snapshot copy on a Windows Server 2008 host. SnapDrive for Windows and the Snap Creator Agent must be running on the host.

1. In Server Manager, click **Storage > SnapDrive > physical\_server\_name > Disks**.
2. In the Disk Identification pane, select the mounted disk and click **Disconnect Disk** in the right-click menu.

3. In the Disconnect Disk dialog, click **Yes**.

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