

Overview

This document explains how to restore files and folders from Nasuni Filer snapshots to Nasuni Filer volumes. Understanding Nasuni Filer snapshots is key to understanding the restore process.

Understanding Snapshots

A snapshot is a moment in time capture of all files, folders, and accompanying metadata in a Nasuni Filer volume. When changes are made to data or metadata in a Nasuni Filer volume Nasuni Filer captures those changes in the next scheduled snapshot for that volume. Volume snapshot schedules are created by the Nasuni Filer Administrator in the Nasuni Filer UI.

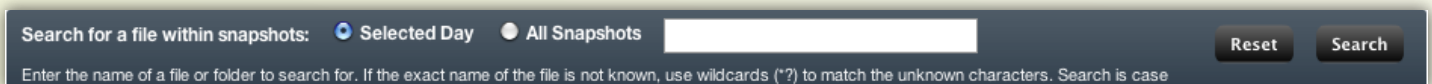
Nasuni Filer does not create snapshots of a Nasuni Filer volume based purely on the volume's snapshot schedule. Nasuni Filer only creates a snapshots of a volume if there have been changes to the volume's data or metadata since the last snapshot. Once a snapshot exists for a volume you can restore a file or folder from the volume snapshot to the volume. To restore a file or folder you must know its name and the Nasuni Filer volume it was written to.

Locating a File or Folder in a Snapshot

1. Click the **restore** page in the web user interface.
2. Select a volume and a snapshot from which you want to perform a restore operation.
3. Navigate the directory tree and select the file or directory that you want to restore.

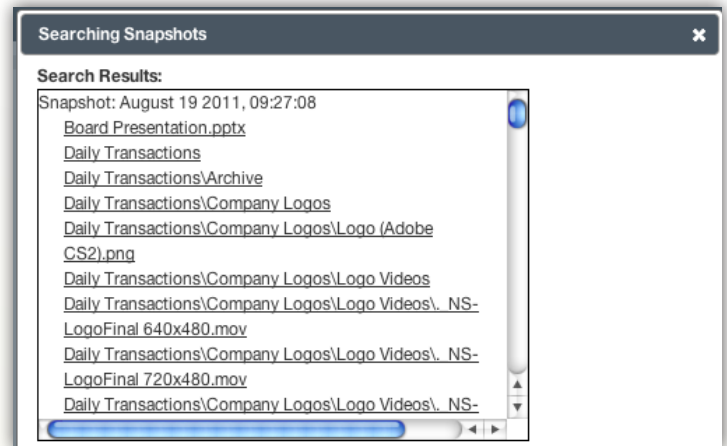
If you can't easily locate a file or folder by navigating through a volume's snapshots you can perform a snapshot search. To perform a snapshot search:

1. Click the **restore** page in the web user interface.
2. Select the volume that you want to search.
3. Click **Search**.

A screenshot of the search interface in the Nasuni Filer web user interface. It features a dark blue header bar with the text "Search for a file within snapshots:" followed by two radio buttons: "Selected Day" (which is selected) and "All Snapshots". To the right is a white text input field. Below the input field is a small grey box containing the text: "Enter the name of a file or folder to search for. If the exact name of the file is not known, use wildcards (*?) to match the unknown characters. Search is case". On the far right of the header bar are two buttons: "Reset" and "Search".

4. Select either: **Selected Day** to only search snapshots for the day you select in the calendar or **All Snapshots** to search all snapshots in the calendar.
5. Enter your search parameters in the text field (case sensitive). You can enter the name of a file or directory. If you do not know the exact name of the file, you can use wildcards (*?), such as *.doc to search all files that end in the extension ".doc."
6. Click **Search**.

When the search completes, you are provided with a list of snapshots, (listed by date and time) to select from for performing the restore operation.



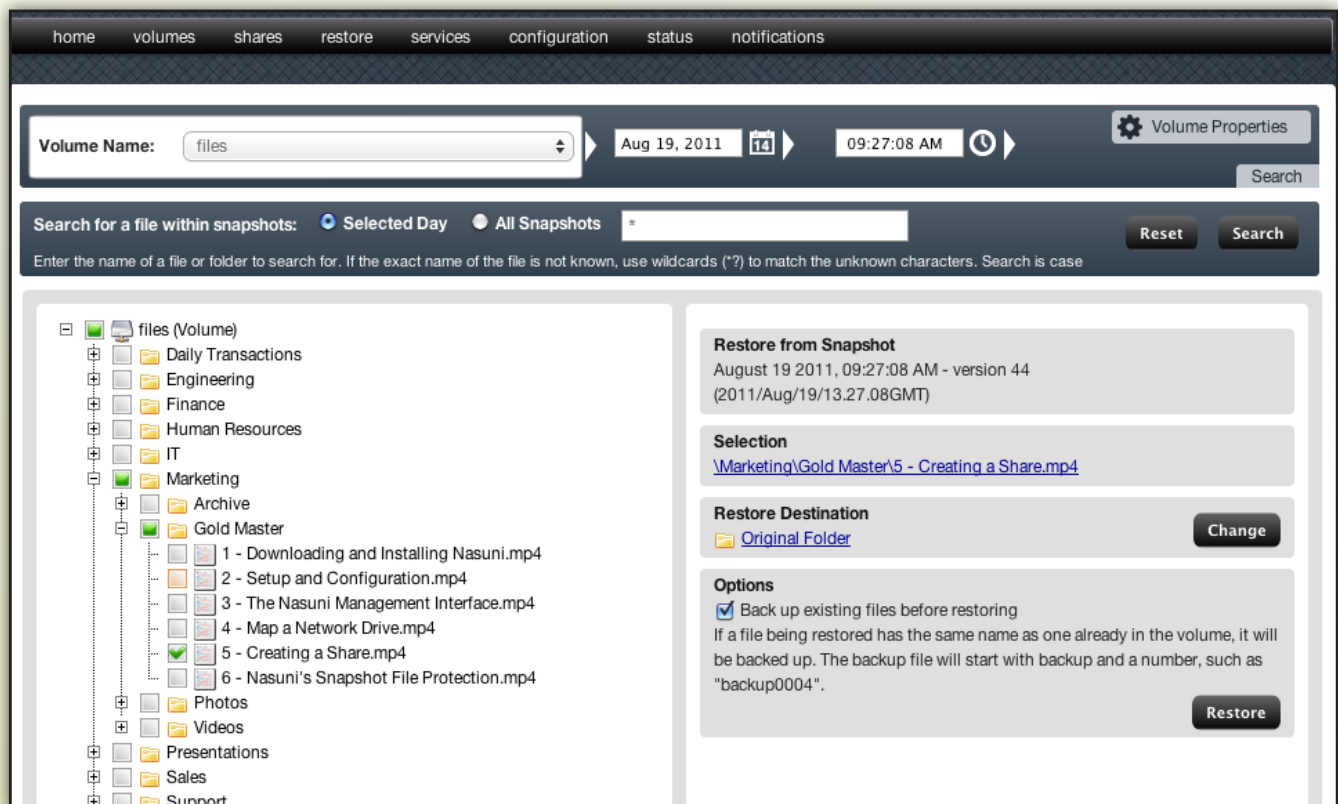
Restore Options

Files and folders can be restored to their original location or to another location within the Nasuni Filer volume they are being restored to. When restoring a file or folder to its original location make sure the “Back up existing files before restoring” option is selected. This option protects you from accidentally overwriting files you want to keep during restore.

File Restore Example

File restore times can vary depending on Internet connection speed, file size, and how recently the file was written or updated.

1. Click the **restore** page in the web user interface.



2. Select the volume the file was written to.
3. Find the file in a volume snapshot.
4. Check the box next to the filename.
5. Set the Restore Destination (right hand pane) to a different location (other than Original Folder). The new location must already exist on the volume before you can select it.
6. Click the **Restore** button.

Restoring a folder is just as easy as restoring a file. Restore a folder and experiment with the restore options to get a sense of how easy it is to restore files and folders using Nasuni Filer.

Conclusion

Understanding snapshots and how to restore files and folders from snapshots to Nasuni Filer volumes can help make Nasuni Filer an important piece in your IT infrastructure. If you have other questions about Nasuni Filer, or how it can benefit your organization, visit www.nasuni.com or contact the Product Evaluation Team at (800) 208-3418.