



# **Restore source directory**

## **REST API reference**

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# Restore source directory

## Storage directory-restore endpoint overview

### Overview

You can use this API to restore a directory from a volume snapshot without having to use data copy. The directory in the snapshot contains sub-directories and files.

When a directory from a volume snapshot is restored, all the directory entries (dentries) in the source should remain as they are (except for the junction path inodes). The dentries in the restored directory contain new inodes which are in the AFS (Active File System).

The newly created inodes in the AFS have the same attributes as those in the source snapshot.

### Directory restore API

The following API is used to perform the following operations:

&ndash; POST /api/storage/directory-restore

## Restore the source directory from the volume snapshot on the destination directory

POST /storage/directory-restore

**Introduced In:** 9.15

Restores the source directory from the volume snapshot on the destination directory.

### Required Properties

- `vserver`
- `volume.name`
- `snapshot.name`
- `source_path`
- `restore_path`

### Related ONTAP commands

- `volume snapshot directory-restore start`

```
# The API:
/api/storage/directory-restore

# The call:
curl -X POST "https://<mgmt_ip>/api/storage/directory-restore" -H "accept:
application/hal+json" -d '{"svm":"vs1", "volume": "vol1", "snapshot":
"sp1", "path": "/aaaa", "restore_path": "/bbbb"}'

# The response:
{
  "job": {
    "uuid": "23b5ff3a-4743-11ee-a08d-005056bb9d00",
    "_links": {
      "self": {
        "href": "/api/cluster/jobs/23b5ff3a-4743-11ee-a08d-005056bb9d00"
      }
    }
  }
}
```

## Parameters

Name	Type	In	Required	Description
return_timeout	integer	query	False	<p>The number of seconds to allow the call to execute before returning. When doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202.</p> <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>
return_records	boolean	query	False	<p>The default is false. If set to true, the records are returned.</p> <ul style="list-style-type: none"> <li>• Default value:</li> </ul>

## Request Body

Name	Type	Description
path	string	Source from where the directory is restored.
restore_path	string	Destination directory where the new directory tree is created.

Name	Type	Description
snapshot	string	Name of the volume snapshot from which the directory is restored.
volume	string	Name of the volume from which the snapshot is used for directory restore.
vserver	string	Name of the SVM.

### Example request

```
{
  "path": "src_file1 or dir1/src_file2 or ../.snapshot/snap1/src_file3",
  "restore_path": "dest_file1 or dir1/dest_file2",
  "snapshot": "string",
  "volume": "string",
  "vserver": "string"
}
```

### Response

Status: 202, Accepted

Name	Type	Description
path	string	Source from where the directory is restored.
restore_path	string	Destination directory where the new directory tree is created.
snapshot	string	Name of the volume snapshot from which the directory is restored.
volume	string	Name of the volume from which the snapshot is used for directory restore.
vserver	string	Name of the SVM.

## Example response

```
{
  "path": "src_file1 or dir1/src_file2 or ../.snapshot/snap1/src_file3",
  "restore_path": "dest_file1 or dir1/dest_file2",
  "snapshot": "string",
  "volume": "string",
  "vserver": "string"
}
```

## Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

## Response

Status: 201, Created

## Error

Status: Default

## ONTAP Error Response Codes

Error Code	Description
6488112	Directory restore can only be started on a directory.
6488113	Directory restore requires an effective cluster version of 9.15.1 or later.
6488114	Directory restore is not supported on FlexGroup constituent volumes.
6488115	Internal error. Failed to get node information for the volume with DSID "volume.dsid".
6488116	Directory restore is not supported on root directory. Use the "volume snapshot restore" command instead.

Also see the table of common errors in the [Response body](#) overview section of this documentation.

## Definitions

### See Definitions

directory\_restore

Restores a directory from a volume snapshot.

Name	Type	Description
path	string	Source from where the directory is restored.
restore_path	string	Destination directory where the new directory tree is created.
snapshot	string	Name of the volume snapshot from which the directory is restored.
volume	string	Name of the volume from which the snapshot is used for directory restore.
vserver	string	Name of the SVM.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned\_error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.



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