

# How to Run Backups on Locally-Mounted Remote Filesystems

## Overview

This document describes how to run backups on locally-mounted remote filesystems.

To mount or unmount a partition, you **must** place the partition in the `/etc/fstab` file. This file contains a list of mountable file systems and their configuration options. The backup utility **only** mounts or unmounts partitions that appear in the `/etc/fstab` file.

### Warnings:

- We **strongly** recommend that you do **not** perform backups to remote filesystems (for example, NFS, CIFS, smbfs, or other types of network drive systems). While you can store a backup directly to a remote filesystem, cPanel & WHM does **not** support this configuration.
- We **strongly** recommend that you work with a qualified system administrator to manage this custom backup path to avoid potential risks.
- We are **not** responsible for any data loss that an attempt to perform the steps in this document causes.

## Configure the filesystem

If you use a mounted filesystem to store backups, we **strongly** recommend that you mount the system with the `noexec` option. To do this, open the `/etc/fstab` file with a text editor and edit its entry to resemble the following example:

```
/dev/sda5 /backup ext3 defaults,noexec 0 0
```

The example above describes the following configuration options:

Device	Default mount point	File system type	Mount options	Dump options	fsck order
/dev/sda5	/backup	ext3	defaults,noexec	0	0

## Remount a backup disk

To remount a backup disk while the system reboots, run the following command:

```
mount -o remount,noexec /backup
```

## Additional documentation

Suggested documentation [For cPanel users](#) [For WHM users](#) [For developers](#)

- [How to Create a Custom Transport Script for Backups](#)
- [How to Run a Manual Backup](#)
- [How to Run Backups on Locally-Mounted Remote Filesystems](#)
- [How to Manage Metadata Settings](#)
- [How to Resolve CIFS-mounted Backup Drive Permissions Errors](#)
- [File and Directory Restoration for cPanel](#)

- Backup for cPanel
- Backup Wizard
  
- The backup\_restore\_manager Script
- The backups\_create\_metadata Script
- Backup Tarball Contents
- The backups\_list\_user\_files Script
- The restorepkg Script
  
- WHM API 1 Functions - backup\_destination\_list
- WHM API 1 Functions - backup\_destination\_add
- WHM API 1 Functions - backup\_destination\_get
- WHM API 1 Functions - backup\_destination\_set
- WHM API 1 Functions - backup\_set\_list\_combined