



# **File and Disk Management Commands**

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# df

Use the **df** command to display statistics about the amount of free disk space in the file system.

## df

### Command History

| Release | Modification                 |
|---------|------------------------------|
| 3.0.0   | This command was introduced. |

This example shows how to check the disk usage of the folder `/data` in your file system:

```
root@center100:~# df -h /data/
Filesystem      Size  Used Avail Use% Mounted on
/dev/mapper/data_crypt 245G  1.6G  230G   1% /data
```

This example calculates the disk usage of the `/data/` directory, displays it in a human-readable format, and then sorts the output by size:

```
root@center100:~# du -sh /data/* | sort -h
4.0K /data/extensions
4.0K /data/flags
4.0K /data/updates
16K /data/lost+found
32K /data/home
64K /data/license
216K /data/redis
109M /data/log
122M /data/etc
284M /data/var
351M /data/postgresql
774M /data/tmp
```

For more information, see [df](#).

# du

Use the **du** command to analyze the disk usage.

## du

### Command History

| Release | Modification                 |
|---------|------------------------------|
| 3.0.0   | This command was introduced. |

This example analyzes the disk usage in the `/data` directory:

```
root@center100:~# du -sh /data/
Filesystem      Size  Used Avail Use% Mounted on
/dev/mapper/data_crypt 245G  1.6G  230G   1% /data
root@center100:~#
```

This example analyzes the disk usage in the `/data` directory and displays the output in a sorted format:

```
root@center100:~# du -sh /data/* | sort -h
4.0K    /data/extensions
4.0K    /data/flags
4.0K    /data/updates
16K     /data/lost+found
32K     /data/home
64K     /data/license
216K    /data/redis
109M    /data/log
122M    /data/etc
284M    /data/var
351M    /data/postgresql
774M    /data/tmp
```

For more information, see [du](#).

# lsblk

Use the **lsblk** command to list information about all available or the specified block devices.

**lsblk** [ **options** ] [ *device...* ]

## Syntax Description

*device* Name of the block device on the file system.

## Command History

### Release Modification

3.0.0 This command was introduced.

To list all block devices in your system, run this command:

```
root@center100:~# lsblk
```

| NAME         | MAJ:MIN | RM | SIZE   | RO | TYPE  | MOUNTPOINT |
|--------------|---------|----|--------|----|-------|------------|
| loop0        | 7:0     | 0  | 554.2M | 1  | loop  | /          |
| sda          | 8:0     | 0  | 250G   | 0  | disk  |            |
| -sda1        | 8:1     | 0  | 1022M  | 0  | part  | /system    |
| `-sda2       | 8:2     | 0  | 249G   | 0  | part  |            |
| `-data_crypt | 251:0   | 0  | 249G   | 0  | crypt | /data      |
| zram0        | 252:0   | 0  | 125.6G | 0  | disk  | [SWAP]     |

For more information, see [lsblk](#).

# rclone

Use the **rclone** command to sync or move Cisco Cyber Vision Center data between local and remote storages.

**rclone [flags] [command]**

| Syntax Description                                |                                            |
|---------------------------------------------------|--------------------------------------------|
| <b>--failed</b>                                   | Lists failed services on the system.       |
| <b>status</b> <i>&lt;name of the service&gt;</i>  | Checks the status of the specific service. |
| <b>restart</b> <i>&lt;name of the service&gt;</i> | Restarts the specific service.             |
| <b>stop</b> <i>&lt;name of the service&gt;</i>    | Stops the specific service.                |
| Command History                                   | Release Modification                       |
| 4.0                                               | This command was introduced.               |

To find all available options and flags in the command, run this command:

```
root@center100:~# rclone
```

Usage:

```
rclone [flags]
rclone [command]
```

Available Commands:

```
about          Get quota information from the remote.
authorize      Remote authorization.
backend        Run a backend specific command.
cat            Concatenate any files and send them to stdout.
check          Checks the files in the source and destination match.
cleanup        Clean up the remote if possible.
config         Enter an interactive configuration session.
copy           Copy files from source to dest, skipping already copied.
copyto         Copy files from source to dest, skipping already copied.
copyurl        Copy url content to dest.
cryptcheck     Cryptcheck checks the integrity of a crypted remote.
cryptdecode    Cryptdecode returns unencrypted file names.
dbhashsum      Produces a Dropbox hash file for all the objects in the path.
dedupe         Interactively find duplicate files and delete/rename them.
delete         Remove the contents of path.
deletefile     Remove a single file from remote.
genautocomplete Output completion script for a given shell.
gendocs        Output markdown docs for rclone to the directory supplied.
hashsum        Produces a hashsum file for all the objects in the path.
help           Show help for rclone commands, flags and backends.
link           Generate public link to file/folder.
listremotes    List all the remotes in the config file.
ls             List the objects in the path with size and path.
lsd            List all directories/containers/buckets in the path.
lsf            List directories and objects in remote:path formatted for parsing.
lsjson         List directories and objects in the path in JSON format.
lsl           List the objects in path with modification time, size and path.
```

|            |                                                             |
|------------|-------------------------------------------------------------|
| md5sum     | Produces an md5sum file for all the objects in the path.    |
| mkdir      | Make the path if it doesn't already exist.                  |
| mount      | Mount the remote as a mountpoint.                           |
| move       | Move files from source to dest.                             |
| moveto     | Move file or directory from source to dest.                 |
| ncdu       | Explore a remote with a text based user interface.          |
| obscure    | Obscure password for use in the rclone config file.         |
| purge      | Remove the path and all of its contents.                    |
| rc         | Run a command against a running rclone.                     |
| rcat       | Copies standard input to file on remote.                    |
| rcd        | Run rclone listening to remote control commands only.       |
| rmdir      | Remove the path if empty.                                   |
| rmdir      | Remove empty directories under the path.                    |
| selfupdate | Update the rclone binary.                                   |
| serve      | Serve a remote over a protocol.                             |
| settier    | Changes storage class/tier of objects in remote.            |
| shasum     | Produces an shasum file for all the objects in the path.    |
| size       | Prints the total size and number of objects in remote:path. |
| sync       | Make source and dest identical, modifying destination only. |
| test       | Run a test command.                                         |
| touch      | Create new file or change file modification time.           |
| tree       | List the contents of the remote in a tree like fashion.     |
| version    | Show the version number.                                    |

## Flags:

-h, --help help for rclone

Use "rclone [command] --help" for more information about a command.

To enter in an interactive configuration session to set up new remotes and manage existing ones, run this command:

```
root@center100:~# rclone config
n/s/q> n (new remote storage)
name> cvbackupsftp
Storage> 34 (34 / SSH/SFTP Connection)
host> 10.2.3.172
user> user
port> [Enter] (default 22)
y/g/n> y (y: enter a password)
password: (enter password)
password: (re enter password)
key_pem> [Enter] (not used)
key_file> [Enter] (not used)
y/g/n> [Enter] (not used)
pubkey_file> [Enter] (not used)
key_use_agent> [Enter] (not used)
use_insecure_cipher> [Enter] (not used)
disable_hashcheck> [Enter] (not used)
y/n> n (no advanced setting)
y/e/d> y (validate settings)
e/n/d/r/c/s/q> q (quit config)
```

To move files from a source directory to a destination directory, run this command:

```
root@center100:~# rclone move center100:/tmp/example.txt center101:/tmp/example.txt
```

For more information, see [rclone](#).