**Chủ đề: CÁC LỆNH TRONG LINUX**

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**Lớp:** 71DCHT23

**Nhóm thực hiện:** Nhóm 9

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34. **LS:** được viết tắt bởi từ **List Directory Contents**, liệt kê nội dung của thư mục hiện thời, có thể là file hoặc thư mục (folder), là lệnh cơ bản được sử dụng để liệt kê ra nội dung trong thự mục hiện hành.

+ Cú pháp: ls path-to-folder

+ Ví dụ: $ ls / var / lib được sử dụng để xem những tệp nào có trong thư mục lib.

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1. **Cd:** là chữ viết tắt của từ **Change Directory**. Có nhiệm vụ thay đổi thư mục làm việc, chuyển đến thư mục này hoặc lùi lại cấp thư mục trước.

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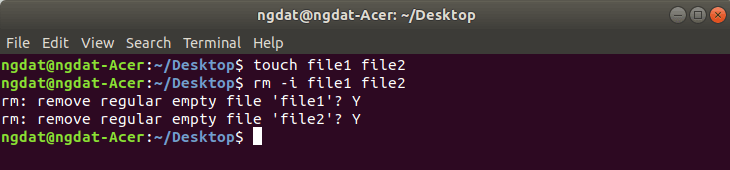
1. **Pwd:** viết tắt của từ **Print Working Directory,** được dùng để tìm đường dẫn của thư mục hiện tại (folder) mà bạn đang ở trong đó. Lệnh này sẽ trả về đường dẫn hoàn chỉnh (đầy đủ), bắt đầu bằng dấu gạch chéo (/)

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1. **Rm, rm -rf:** là viết tắt của**Remove** (loại bỏ), Xóa một file hoặc thư mục, các file này không thể restore ( khôi phục) được.

- Cú pháp: rm [ OPTION ]… FILE…



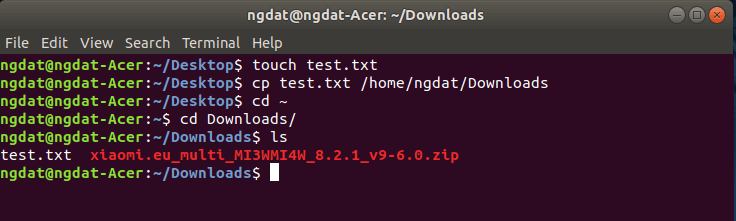
1. **Cp, cp -R**

**- Cp:** Sao chép một file, bạn nhập tên file và nhập tên file copy mới

+ Cú pháp: cp <tên\_file\_gốc> <tên\_file\_copy>

**- Cp -R**: Sao chép nội dung của một thư mục nhất định (và các thư mục con) sang thư mục bạn lựa chọn.

+ Cú pháp: cp -r <file\_gốc> <thư\_muc/đường dẫn thư mục>

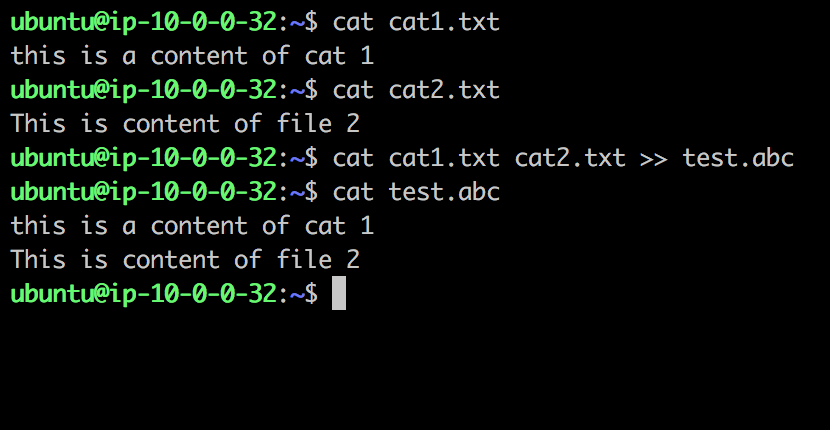


1. **Cat: v**iết tắt của từ **Concatenation**, có thể được sử dụng để đọc một file, ghép nhiều nội dung của một file thành một file mới.

**- Cú pháp:** cat [OPTION] [FILE]

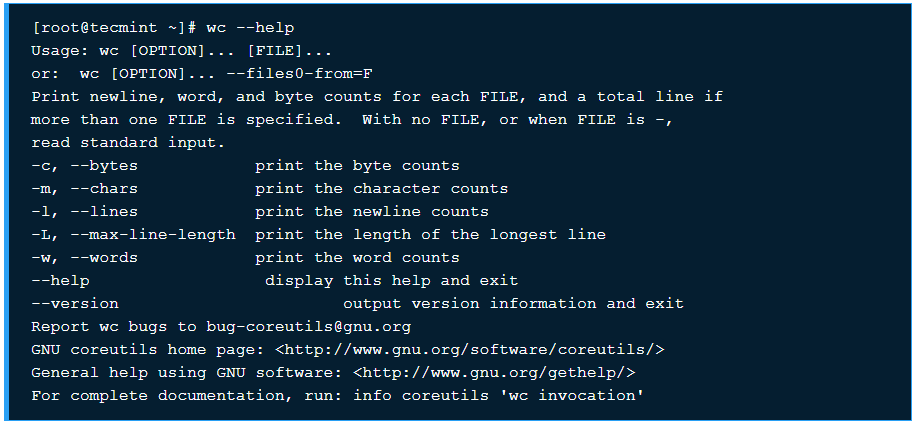
+ ( >> ) dùng để nối file, nếu file đó đã tồn tại thì sẽ tiếp tục chèn thêm nội dung cần chèn.

+ ( > ) nếu file đó tồn tại thì nó sẽ xoá luôn và mới thêm nội dung vào.



1. **Wc**: viết tắt của **Word count**. Đếm số dòng, số từ hay số byte của 1 tập tin và in kết quả này ra màn hình.

- Cú pháp: # wc [OPTION] … [FILE]…



1. **Diff:** viết tắt của **Different**. **So sánh nội dung của hai tệp theo từng dòng.**

- Cú pháp: diff file1.ext file2.ext

Text

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| --- |
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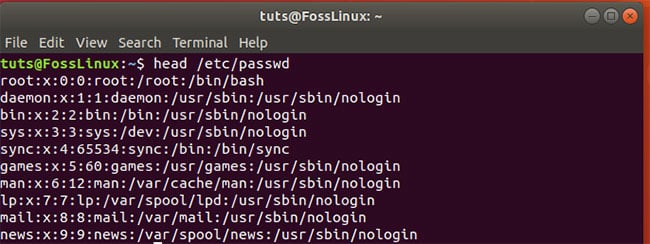
1. **Wget:** là kết hợp của **World Wide Web** và từ **Get.** Sử dụng cho việc tải các tập tin và nội dung trên môi trường Internet, đó có thể là 1 website hay 1 trang FTP. Hỗ trợ download qua FTP, SFTP, HTTP, và HTTPS.

- Cú pháp: wget <http://slynux.org>.

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1. **Head**: được sử dụng để **xem các dòng đầu tiên của bất kỳ tệp văn bản nào.**



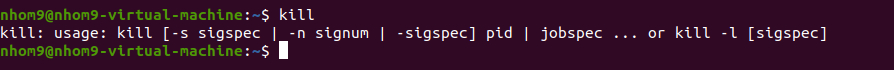
1. **Kill, Killall**

- **Kill**: có thể được dùng để ngắt một hoặc nhiều tiến trình đang hoạt động trên hệ thống.

+ Cú pháp: kill <option> <ID của tiến trình>

**- Killall**: thay vì gửi tín hiệu đến một id quy trình cụ thể sẽ gửi tín hiệu đến nhiều quy trình cùng một lúc.

+ Cú pháp: killall <name>



1. **Top:** được sử dụng để hiển thị tất cả các tiến trình đang chạy trong môi trường Linux.

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1. **Chmod, Chown**

- **Chmod**: là một lệnh cấp hệ thống, viết tắt của “change mode” và cho phép bạn thay đổi cài đặt quyền của file theo cách thủ công.

+ Cú pháp: *chmod <quyền của user,group,"khác"> <tên file>*

- **Chown:** cho phép bạn thay đổi quyền sở hữu của người dùng và hoặc nhóm của một tệp, thư mục hoặc liên kết tượng trưng nhất định.

+ Cú pháp: chown <option>… <OWNER><:[GROUP]> <tên file>…

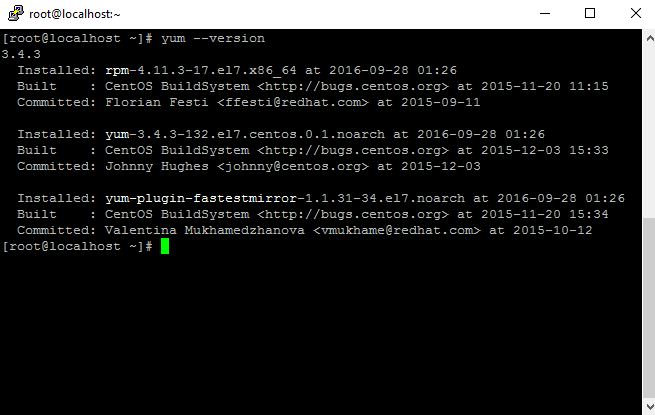
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1. **Yum update, yum install**

- **Yum update**: Dùng để cập nhật package.

- **Yum Install**: Để download và cài đặt một package với Yum thì ta sử dụng lệnh yum install, nó sẽ tự động cài đặt tất cả những gói phụ thuộc liên quan đến package đó.



1. **Logout:** Kết thúc session (phiên làm việc) hiện tại.
2. **Passwd:** Dùng để thay đổi mật khẩu của bạn chỉ với lệnh passwd.

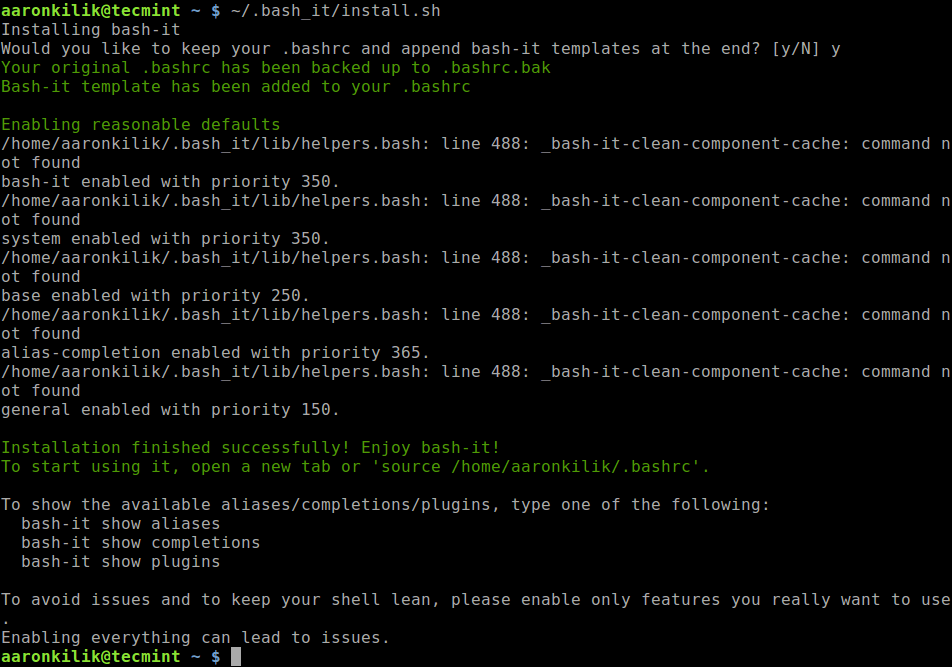
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1. **Locate:** Dùng để tìm kiếm một pattern (mẫu) nhất định thông qua file cơ sở dữ liệu được tạo bởi lệnh updatedb. Các kết quả tìm thấy được hiển thị trên màn hình, mỗi kết quả trên một dòng.

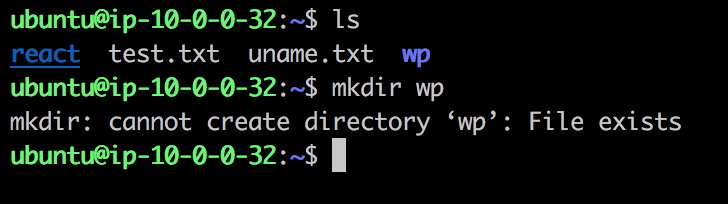
- Cú pháp: locate [OPTION] PATTERN...

1. **Bash auto-complete(TAB):** Để hỗ trợ người dùng trong việc gõ câu lệnh trên shell, hầu hết các shell đều có chức năng auto-complete. Là gõ 1 phần câu lệnh rồi nhấn tab để nó hoàn thành nốt câu lệnh. Nếu bash shell của bạn chưa bật chế độ này, hãy chỉnh lại như sau: Vào file /etc/bash.bashrc hoặc /etc/profile hoặc ~/.bashrc rồi bỏ comment ở dòng bôi đỏ phía dưới đi.  
   # enable programmable completion features (you don't need to enable  
   # this, if it's already enabled in /etc/bash.bashrc and /etc/profile  
   # sources /etc/bash.bashrc).  
   #if [ -f /etc/bash\_completion ] && ! shopt -oq posix; then  
   # . /etc/bash\_completion  
   #fi



1. **Mkdir:** là từ viết tắt của **Make Directory.** Được sử dụng để tạo thư mục

- Cú pháp: mkdir fruits



1. **Mv:** được viết tắt từ **Move**.Đổi tên một tập tin hoặc thư mục trong hệ thống. Di chuyển nhóm tệp vào một thư mục khác với thư mục gốc

- Cú pháp:

+ mv [TÙY CHỌN] ... [-T] Tài nguyên đích

+ mv [TÙY CHỌN] ... Tài nguyên ... Thư mục

Text

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1. **Rmdir**: Lệnh này được dùng để xóa các thư mục rỗng.

- Cú pháp: rmdir tenthumuc

![Text

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generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4SE+RXhpZgAATU0AKgAAAAgABgALAAIAAAAmAAAIYgESAAMAAAABAAEAAAExAAIAAAAmAAAIiAEyAAIAAAAUAAAIrodpAAQAAAABAAAIwuocAAcAAAgMAAAAVgAAEUYc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDIxOjA4OjMxIDIwOjExOjUwAAAGkAMAAgAAABQAABEckAQAAgAAABQAABEwkpEAAgAAAAMwMAAAkpIAAgAAAAMwMAAAoAEAAwAAAAEAAQAA6hwABwAACAwAAAkQAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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1. **Tail:** Câu lệnh này mặc định sẽ hiển thị 10 dòng cuối cùng của tập tin được chỉ định ra màn hình. Người dùng cũng có thể xem cùng lúc nội dung của nhiều tập tin.

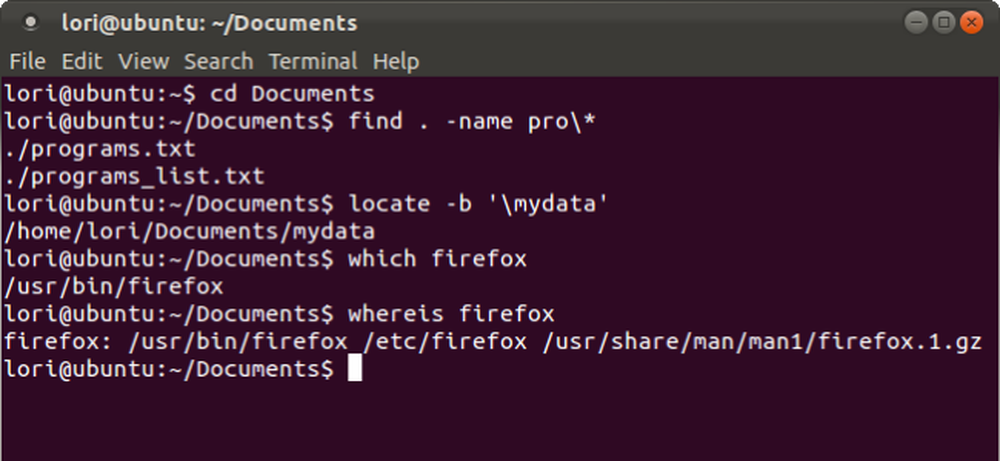
- Cú pháp: tail <*option*> <tên file>

Text

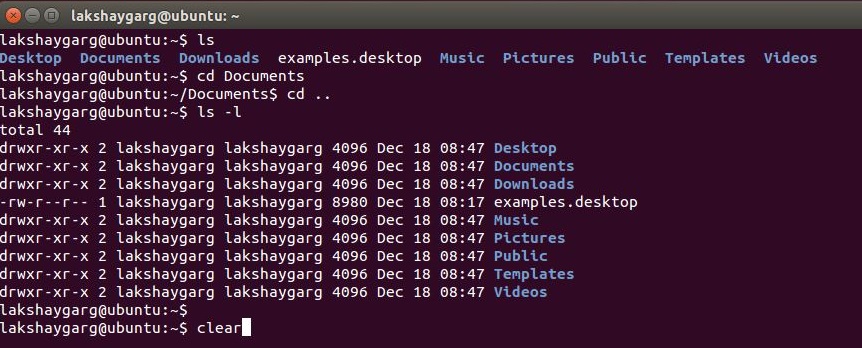
Description automatically generated

1. **Shutdown –h now/reboot**: Để tắt máy
2. **In, In -s:** là một tiện ích dòng lệnh để tạo liên kết giữa các tệp. Theo mặc định, lệnh ln tạo các liên kết cứng. Để tạo sử dụng liên kết tượng trưng, ​​tùy chọn -s ( --symbolic ).
3. **Whereis:** Đây là lệnh giúp bạn kiểm tra được nguồn gốc lưu trữ của một lệnh nào đó trên Linux.

Cú pháp: whereis [OPTIONS] COMMAND...



1. **Clear:** Xóa trắng cửa sổ.



1. **File:** Để hiển thị thông tin tập tin.

![Text

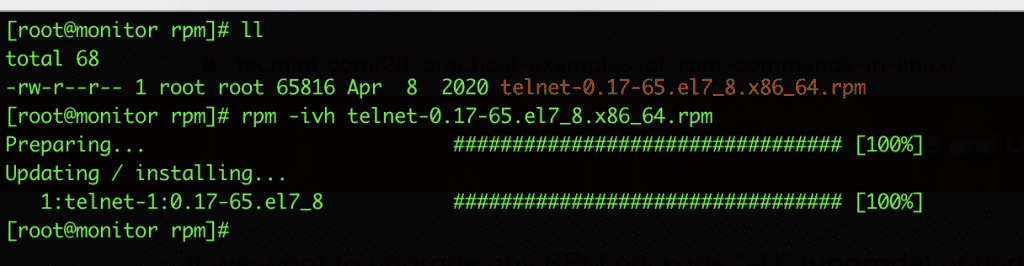
Description automatically 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1. **Rpm -l, -e, -u**

- Rpm -i: Cài đặt một gói.

- Rpm -e: là tên gói chúng ta cần hủy cài đặt.

- Rpm -u: Nó giúp cho chúng ta nâng cấp phiên bản mới nhất của gói và duy trì sao lưu gói cũ hơn để trong trường hợp gói nâng cấp mới hơn không chạy gói đã cài đặt trước đó có thể được sử dụng lại.



1. **Df -h:** Hiển thị thông tin của tất cả các file được lưu.

![Text

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
1. **Man:** Để biết nhiều hơn về một lệnh và cách sử dụng nó, dùng lệnh “man”.

Text

Description automatically generated

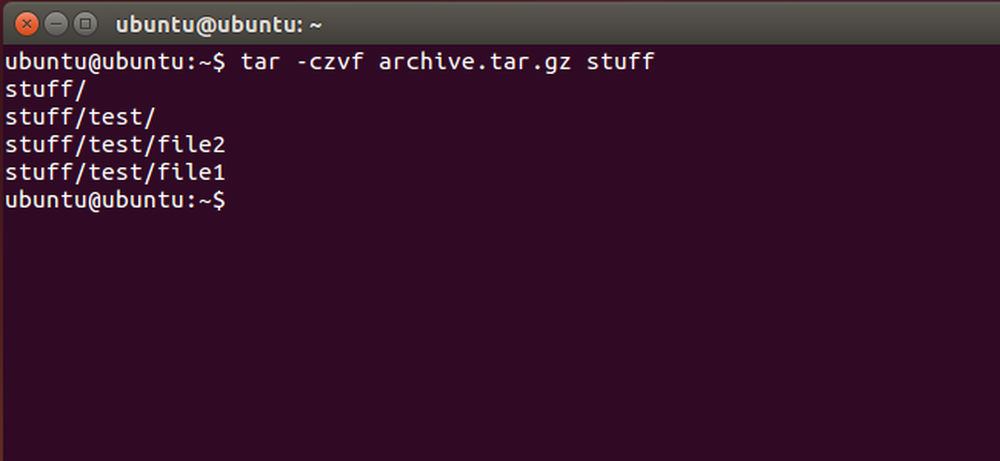
1. **Grep**: Câu lệnh này sẽ giúp người dùng có thể tìm kiếm một từ khó hoặc một đoạn từ khóa trong một tập tin. Tương tự chức năng “Ctrl + F” nhưng thực thi bằng CLI.

- Cú pháp: grep <option hoặc từ khóa cần tìm> <tên file>

Text

Description automatically generated

1. **Tar, gzip, bzip2:** Lệnh tar được dùng để nén file trong command line trên Linux. Gzip1,bzip2: tạo các tập tin nén sang .gz, .bz2.



1. **Less:** Lệnh less dùng mở một tệp để đọc tương tác, cho phép di chuyển lên xuống và tìm kiếm. Để mở tệp tin: less file

Text

Description automatically generated