

Linux Comandos “Cheat Sheet”



Información del Sistema

arch: Mostrar la arquitectura de la máquina

```
ujarez@CentOS:~  
[ujarez@CentOS ~]$ arch  
x86_64  
[ujarez@CentOS ~]$ |
```

uname -r: Mostrar la versión del kernel usado.

```
ujarez@CentOS:~  
[ujarez@CentOS ~]$ uname -r  
3.10.0-957.el7.x86_64  
[ujarez@CentOS ~]$ |
```

dmidecode -q: Mostrar los componentes (hardware) del sistema.

hdparm -i /dev/hda: Mostrar las características de un disco duro.

clock -w: Guardar los cambios de fecha en la BIOS.

date: Mostrar la fecha del sistema.

ping: Administra la red.

```
root@CentOS/home/ujarez  
[root@CentOS ujuarez]# dmidecode -q  
BIOS Information  
Vendor: innotek GmbH  
Version: VirtualBox  
Release Date: 12/01/2006  
Address: 0xE0000  
Runtime Size: 128 KB  
ROM Size: 128 KB  
Characteristics:  
ISA is supported  
PCI is supported  
Boot from CD is supported  
Selectable boot is supported  
8042 keyboard services are supported (int 9h)  
CGA/mono video services are supported (int 10h)  
ACPI is supported  
System Information  
Manufacturer: innotek GmbH  
Product Name: VirtualBox  
Version: 1.2  
Serial Number: 0  
UUID: 1fdfece-d478-44b3-adf2-f874d081f74  
Wake-up Type: Power Switch  
SKU Number: Not Specified  
Family: Virtual Machine  
Base Board Information  
Manufacturer: Oracle Corporation  
Product Name: VirtualBox  
Version: 1.2  
Serial Number: 0  
Asset Tag: Not Specified  
Features:  
Board is a hosting board  
Location In Chassis: Not Specified  
Type: Motherboard  
Chassis Information  
Manufacturer: Oracle Corporation  
Type: Other  
Lock: Not Present  
Version: Not Specified  
Serial Number: Not Specified  
Asset Tag: Not Specified  
Boot-up State: Safe  
Power Supply State: Safe  
Thermal State: Safe  
Security Status: None  
OEM Strings  
String 1: vboxVer_6.0.10  
String 2: vboxRev_132072  
[root@CentOS ujuarez]# |
```

Estos comandos se pueden usar de más maneras:

cat /proc/: Forma general_Sirve para mostrar información.

cat /proc/cpuinfo: Mostrar información de la CPU.

cat /proc/interrupts: Mostrar las interrupciones.

cat /proc/meminfo: Verificar el uso de memoria.

cat /proc/swaps: Mostrar archivos swap.

```
root@CentOS/home/ujarez  
[root@CentOS ujuarez]# cat /proc/cpuinfo  
processor : 0  
vendor_id : AuthenticAMD  
cpu family : 22  
model : 48  
model name : AMD E2-7110 APU with AMD Radeon R2 Graphics  
stepping : 1  
microcode : 0x6000626  
cpu MHz : 1796.565  
cache size : 2048 KB  
physical id : 0  
siblings : 1  
core id : 0  
cpu cores : 1  
apicid : 0  
initial apicid : 0  
fpu : yes  
fpu_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge  
_apicid pni pclmulqdq monitor sse3 cx16 sse4_1 sse4_2 movbe popcnt aes  
k nrip_save tsc_scale flushbyasid decodeassists pausefilter pfthreshold  
bogomips : 3593.13  
TLB size : 1024 4K pages  
clflush size : 64  
cache_alignment : 64  
address sizes : 40 bits physical, 48 bits virtual  
power management:  
[root@CentOS ujuarez]# |
```

```
root@CentOS:/home/ujarez
[root@CentOS ujarez]# cat /proc/version
Linux version 3.10.0-957.el7.x86_64 (mockbuild@kbuilder.bsys.centos.org)
[root@CentOS ujarez]#
```

```
[root@CentOS7 ~]# ./netstat.py
[root@CentOS7 ~]# ./netstat.py | cat /proc/net/dev
Inter- | Receive | | Transmit
bytes  packets  errs  drop  fifo  frame  compressed  multicast|bytes  packets  errs  drop  fifo  colls  carrier  compressed
emip03: 1402      4    0    0    0    0    0    0    1641    14    0    0    0    0    0    0
emip08: 37343    422    0    0    0    0    0    0    24911    199    0    0    0    0    0    0
lo: 0          0    0    0    0    0    0    0    0          0    0    0    0    0    0    0
[root@CentOS7 ~]# ./netstat.py
```

```
root@tecmint:~  
[root@tecmint ~]# shutdown 2 The system is going down for required maintenance.  
Please save any important work you are doing now!  
Shutdown scheduled for Fri 2017-05-12 14:10:08 EAT, use 'shutdown -c' to cancel.  
[root@tecmint ~]#  
Broadcast message from root@tecmint (Fri 2017-05-12 14:08:08 EAT):
```

```
root@CentOS:/home/ujarez
[root@CentOS ujarez]# pwd
/home/ujarez
[root@CentOS ujarez]# |
```

```
root@CentOS:/home/ujarez
[root@CentOS ujuarez]# tree
.
├── dir1
├── dir2
│   └── dir3
│       ├── dir4
│       │   └── hi.txt
│       ├── file2.txt
│       └── hello.txt
├── dir3
│   ├── dir4
│   ├── file2.txt
│   └── hello.txt
├── file1.txt
├── hello
└── softlink -> dir2/dir3/dir4/hi.txt

6 directories, 8 files
[root@CentOS ujuarez]#
```

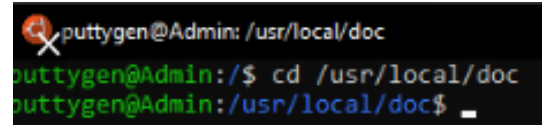
Estos comandos se pueden usar de más maneras:

cd: Forma general_Sirve para moverse entre los directorios.

cd: Lleva al directorio raíz.

cd -: Vuelve al directorio anterior.

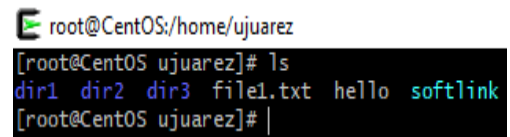
cd /home: Lleva al directorio "home".



```
puttygen@Admin: /usr/local/doc
puttygen@Admin:/$ cd /usr/local/doc
puttygen@Admin: /usr/local/doc$ _
```

ls: Forma general_Ver los ficheros de un directorio.

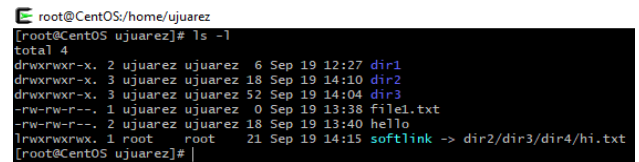
ls -F: Ver los ficheros de un directorio.



```
root@CentOS:/home/ujarez
[root@CentOS ujuarez]# ls
dir1 dir2 dir3 file1.txt hello softlink
[root@CentOS ujuarez]#
```

ls -l: Mostrar los detalles de ficheros y carpetas de un directorio.

ls -a: Mostrar los ficheros ocultos.



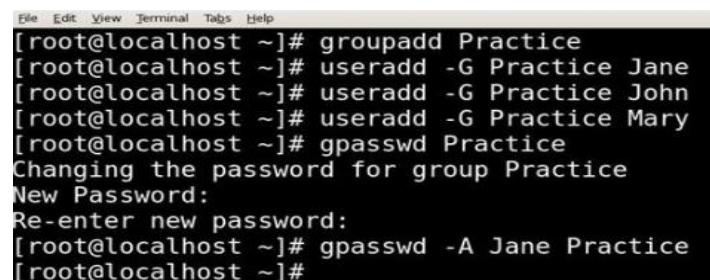
```
root@CentOS:/home/ujarez
[root@CentOS ujuarez]# ls -l
total 4
drwxrwxr-x. 2 ujuarez ujuarez 6 Sep 19 12:27 dir1
drwxrwxr-x. 3 ujuarez ujuarez 18 Sep 19 14:10 dir2
drwxrwxr-x. 3 ujuarez ujuarez 52 Sep 19 14:04 dir3
-rw-rw-r--. 1 ujuarez ujuarez 0 Sep 19 13:38 file1.txt
-rw-rw-r--. 2 ujuarez ujuarez 18 Sep 19 13:40 hello
lrwxrwxrwx. 1 root root 21 Sep 19 14:15 softlink -> dir2/dir3/dir4/hi.txt
[root@CentOS ujuarez]#
```

ls *[0-9]*: Mostrar los ficheros y carpetas que contienen números.

Usuarios y Grupos

groupadd: Crear un nuevo grupo.

groupdel: Borrar un grupo.

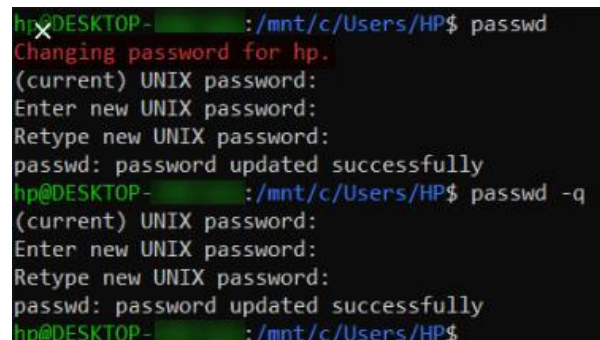


```
File Edit View Terminal Tabs Help
[root@localhost ~]# groupadd Practice
[root@localhost ~]# useradd -G Practice Jane
[root@localhost ~]# useradd -G Practice John
[root@localhost ~]# useradd -G Practice Mary
[root@localhost ~]# gpasswd Practice
Changing the password for group Practice
New Password:
Re-enter new password:
[root@localhost ~]# gpasswd -A Jane Practice
[root@localhost ~]#
```

useradd user1: Crear un nuevo usuario.

userdel: Borrar un usuario

passwd: Cambiar contraseña.



```
hp@DESKTOP-...:/mnt/c/Users/HP$ passwd
Changing password for hp.
(current) UNIX password:
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
hp@DESKTOP-...:/mnt/c/Users/HP$ passwd -q
(current) UNIX password:
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
hp@DESKTOP-...:/mnt/c/Users/HP$
```