



Instituto tecnológico de pabellón de Arteaga

ARQUITECTURA DE COMPUTADORAS

Primeros comandos en Linux(Kali)

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Fecha. 24-10-24

```
root@kali: ~/Documento
File Actions Edit View Help

(gerasauceda@kali)-[~]
$ sudo -i
[sudo] password for gerasauceda:
(root@kali)-[~]
# cd ~/Documento

(root@kali)-[~/Documento]
# touch pruebacomparada.txt

(root@kali)-[~/Documento]
# nano prueba.txt

(root@kali)-[~/Documento]
# diff prueba.txt pruebacomparada.txt
1,2d0
< gestionando documentos en kali
<

(root@kali)-[~/Documento]
# nano pruebacomparada.txt

(root@kali)-[~/Documento]
# diff prueba.txt pruebacomparada.txt
1,2c1
< gestionando documentos en kali
<
```

```
root@kali: ~/Documento
File Actions Edit View Help
> Comparacion de textos

(root@kali)~[~/Documento]
# is -lah
is: command not found

(root@kali)~[~/Documento]
# las -lah
Command 'las' not found, did you mean:
  command 'ls' from deb coreutils
  command 'kas' from deb kas
  command 'cas' from deb amule-utils
  command 'last' from deb wtmpdb
  command 'lrs' from deb lrslib
  command 'als' from deb atool
  command 'laps' from deb epix
  command 'lvs' from deb lvm2
  command 'les' from deb atm-tools
  command 'as' from deb binutils
Try: apt install <deb name>

(root@kali)~[~/Documento]
# ls -lah
total 24K
drwxr-xr-x 2 root root 4.0K Nov 29 17:41 .
drwx----- 6 root root 4.0K Nov 29 17:37 ..
```

```
root@kali: ~/Documento
File Actions Edit View Help
-rw-r--r-- 1 root root 24 Nov 29 17:32 Prueba
-rw-r--r-- 1 root root 32 Nov 29 17:40 prueba.txt
-rw-r--r-- 1 root root 22 Nov 29 17:41 pruebacomparada.txt
-rw-r--r-- 1 root root 1 Nov 29 17:33 txt

(root@kali)-[~/Documento]
# rm
rm: missing operand
Try 'rm --help' for more information.

(root@kali)-[~/Documento]
# rm --heñp
rm: unrecognized option '--heñp'
Try 'rm --help' for more information.

(root@kali)-[~/Documento]
# rm --hel
Usage: rm [OPTION]... [FILE]...
Remove (unlink) the FILE(s).

-f, --force          ignore nonexistent files and arguments, never prompt
-i                  prompt before every removal
-I                  prompt once before removing more than three files, or
                   when removing recursively; less intrusive than -i,
                   while still giving protection against most mistakes
--interactive[=WHEN] prompt according to WHEN: never, once (-I), or
                   always (-i); without WHEN, prompt always
```

```
root@kali: ~/Documento
File Actions Edit View Help

(root@kali)~[~/Documento]
# rm .txt
rm: cannot remove '.txt': No such file or directory

(root@kali)~[~/Documento]
# rm *.txt

(root@kali)~[~/Documento]
# la -lah
total 16K
drwxr-xr-x 2 root root 4.0K Nov 29 17:44 .
drwx----- 6 root root 4.0K Nov 29 17:37 ..
-rw-r--r-- 1 root root  24 Nov 29 17:32 Prueba
-rw-r--r-- 1 root root   1 Nov 29 17:33 txt

(root@kali)~[~/Documento]
# rm prueba.txt
rm: cannot remove 'prueba.txt': No such file or directory

(root@kali)~[~/Documento]
# rm pruebacomparada.txt
rm: cannot remove 'pruebacomparada.txt': No such file or directory

(root@kali)~[~/Documento]
# touch archivo1.txt
```

```
root@kali: ~/Documento
File Actions Edit View Help
└─# rm pruebacomparada.txt
rm: cannot remove 'pruebacomparada.txt': No such file or directory

└─(root@kali)-[~/Documento]
└─# touch archivo1.txt

└─(root@kali)-[~/Documento]
└─# touch archivo2.txt

└─(root@kali)-[~/Documento]
└─# touch archivo3.txt

└─(root@kali)-[~/Documento]
└─# nano archivo1.txt

└─(root@kali)-[~/Documento]
└─# nano archivo2.txt

└─(root@kali)-[~/Documento]
└─# nano archivo3.txt

└─(root@kali)-[~/Documento]
└─# diff archivo1.txt archivo2.txt archivo3.txt
diff: extra operand 'archivo3.txt'
diff: Try 'diff --help' for more information.

└─(root@kali)-[~/Documento]
```

```
root@kali: ~/Documento
File Actions Edit View Help

(root@kali)-[~/Documento]
# diff archivo1.txt archivo2.txt archivo3.txt
diff: extra operand 'archivo3.txt'
diff: Try 'diff --help' for more information.

(root@kali)-[~/Documento]
# diff archivo1.txt archivo2.txt
1,2c1
< Hoja 1
<
---
> Hoja 2

(root@kali)-[~/Documento]
# diff archivo1.txt archivo3.txt
1c1
< Hoja 1
---
> Hoja 3

(root@kali)-[~/Documento]
# diff archivo3.txt archivo1.txt
1c1
< Hoja 3
---
> Hoja 1
```

```
root@kali: ~/Documento
File Actions Edit View Help
> Hoja 3

(root@kali)-[~/Documento]
# diff archivo3.txt archivo1.txt
1c1
< Hoja 3
> Hoja 1

(root@kali)-[~/Documento]
# la
Prueba archivo1.txt archivo2.txt archivo3.txt txt

(root@kali)-[~/Documento]
# la -lah
total 28K
drwxr-xr-x 2 root root 4.0K Nov 29 17:48 .
drwx----- 6 root root 4.0K Nov 29 17:37 ..
-rw-r--r-- 1 root root 24 Nov 29 17:32 Prueba
-rw-r--r-- 1 root root 8 Nov 29 17:47 archivo1.txt
-rw-r--r-- 1 root root 8 Nov 29 17:48 archivo2.txt
-rw-r--r-- 1 root root 8 Nov 29 17:48 archivo3.txt
-rw-r--r-- 1 root root 1 Nov 29 17:33 txt

(root@kali)-[~/Documento]
#
```



```
(gerasauceda@kali)-[~]
$ la
.ICEauthority .bashrc.original .face .local .vboxclient-clipboard-tty7-control.pid .vboxclient-draganddrop-tty7-control.pid
.Xauthority .cache .face.icon .mozilla .vboxclient-clipboard-tty7-service.pid .vboxclient-draganddrop-tty7-service.pid
.bash_logout .config .gnupg .profile .vboxclient-display-svg-x11-tty7-control.pid .vboxclient-hostversion-tty7-control.pid
.bashrc .dmrc .java .sudo_as_admin_successful .vboxclient-display-svg-x11-tty7-service.pid .vboxclient-seamless-tty7-control.pid

(gerasauceda@kali)-[~]
$ la -lah
total 172K
drwx----- 16 gerasauceda gerasauceda 4.0K Nov 29 18:00 .
drwxr-xr-x 3 root root 4.0K Nov 29 16:49 ..
-rw-r--r-- 1 gerasauceda gerasauceda 0 Nov 29 16:52 .ICEauthority
-rw-r--r-- 1 gerasauceda gerasauceda 49 Nov 29 16:52 .Xauthority
-rw-r--r-- 1 gerasauceda gerasauceda 220 Nov 29 16:49 .bash_logout
-rw-r--r-- 1 gerasauceda gerasauceda 5.5K Nov 29 16:49 .bashrc
-rw-r--r-- 1 gerasauceda gerasauceda 3.5K Nov 29 16:49 .bashrc.original
drwxrwxr-x 9 gerasauceda gerasauceda 4.0K Nov 29 17:08 .cache
drwxr-xr-x 12 gerasauceda gerasauceda 4.0K Nov 29 16:53 .config
-rw-r--r-- 1 gerasauceda gerasauceda 35 Nov 29 16:52 .dmrc
-rw-r--r-- 1 gerasauceda gerasauceda 12K Nov 29 16:49 .face
lrwxrwxrwx 1 gerasauceda gerasauceda 5 Nov 29 16:49 .face.icon -> .face
drwx----- 3 gerasauceda gerasauceda 4.0K Nov 29 16:52 .gnupg
drwxr-xr-x 3 gerasauceda gerasauceda 4.0K Nov 29 16:49 .java
drwxr-xr-x 4 gerasauceda gerasauceda 4.0K Nov 29 16:52 .local
drwx----- 4 gerasauceda gerasauceda 4.0K Nov 29 17:07 .mozilla
-rw-r--r-- 1 gerasauceda gerasauceda 807 Nov 29 16:49 .profile
-rw-r--r-- 1 gerasauceda gerasauceda 0 Nov 29 17:03 .sudo_as_admin_successful
-rw-r--r-- 1 gerasauceda gerasauceda 4 Nov 29 16:52 .vboxclient-clipboard-tty7-control.pid
-rw-r--r-- 1 gerasauceda gerasauceda 4 Nov 29 16:52 .vboxclient-clipboard-tty7-service.pid
-rw-r--r-- 1 gerasauceda gerasauceda 4 Nov 29 16:52 .vboxclient-display-svg-x11-tty7-control.pid
-rw-r--r-- 1 gerasauceda gerasauceda 4 Nov 29 16:52 .vboxclient-display-svg-x11-tty7-service.pid
-rw-r--r-- 1 gerasauceda gerasauceda 4 Nov 29 16:52 .vboxclient-draganddrop-tty7-control.pid
-rw-r--r-- 1 gerasauceda gerasauceda 4 Nov 29 16:52 .vboxclient-draganddrop-tty7-service.pid
-rw-r--r-- 1 gerasauceda gerasauceda 4 Nov 29 16:52 .vboxclient-hostversion-tty7-control.pid
-rw-r--r-- 1 gerasauceda gerasauceda 4 Nov 29 16:52 .vboxclient-seamless-tty7-control.pid
-rw-r--r-- 1 gerasauceda gerasauceda 4 Nov 29 16:52 .vboxclient-seamless-tty7-service.pid
-rw-r--r-- 1 gerasauceda gerasauceda 4 Nov 29 16:52 .vboxclient-vmvga-session-tty7-control.pid
-rw-r--r-- 1 gerasauceda gerasauceda 8.9K Nov 29 18:00 .xsession-errors
-rw-r--r-- 1 gerasauceda gerasauceda 99 Nov 29 18:00 .zsh_history
-rw-r--r-- 1 gerasauceda gerasauceda 11K Nov 29 16:49 .zshrc
drwxr-xr-x 2 gerasauceda gerasauceda 4.0K Nov 29 16:52 Desktop
drwxr-xr-x 2 gerasauceda gerasauceda 4.0K Nov 29 16:52 Documents
drwxr-xr-x 2 gerasauceda gerasauceda 4.0K Nov 29 16:52 Downloads
drwxr-xr-x 2 gerasauceda gerasauceda 4.0K Nov 29 16:52 Music
drwxr-xr-x 2 gerasauceda gerasauceda 4.0K Nov 29 16:52 Pictures
drwxr-xr-x 2 gerasauceda gerasauceda 4.0K Nov 29 16:52 Public
drwxr-xr-x 2 gerasauceda gerasauceda 4.0K Nov 29 16:52 Templates
drwxr-xr-x 2 gerasauceda gerasauceda 4.0K Nov 29 16:52 Videos

(gerasauceda@kali)-[~]
$
```

la diferencia al ejecutar ls -lah al crear un archivo como root radica en el hecho de que el propietario y el grupo serán root, y los permisos pueden reflejar configuraciones de umask que asignan permisos predeterminados, ofreciendo una visión clara de la administración de archivos y de las políticas de acceso en el sistema.