



## Carátula para entrega de prácticas

Facultad de Ingeniería

Laboratorio de docencia

### Laboratorios de computación salas A y B

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*Asignatura:*

3

*Grupo:*

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*Integrante(s):*

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cómputo empleado:*

No aplica

fp03alu57

*No. de Lista o Brigada:*

2021-1

*Semestre:*

12 octubre de 2020

*Fecha de entrega:*

*Observaciones:*

**CALIFICACIÓN:** \_\_\_\_\_

# GNU/Linux

## Objetivos:

Conocer la importancia del sistema operativo de una computadora, así como sus funciones. Explorar un sistema operativo GNU/Linux con el fin de conocer y utilizar los comandos básicos en GNU/Linux.

```
fp03alu57@samba:~  
Microsoft Windows [Versión 10.0.19041.508]  
(c) 2020 Microsoft Corporation. Todos los derechos reservados.  
  
C:\Users\dellR>ssh -p 99 fp03alu57@132.248.59.142  
fp03alu57@132.248.59.142's password:  
Last login: Mon Oct 12 10:54:36 2020 from 189.151.165.151  
  
Samba  
  
[fp03alu57@samba ~]$ ls  
Escritorio  
[fp03alu57@samba ~]$
```

```
fp03alu57@samba:~  
Microsoft Windows [Versión 10.0.19041.508]  
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C:\Users\dellR>ssh -p 99 fp03alu57@132.248.59.142  
fp03alu57@132.248.59.142's password:  
Last login: Mon Oct 12 10:54:36 2020 from 189.151.165.151  
  
Samba  
  
[fp03alu57@samba ~]$ ls  
Escritorio  
[fp03alu57@samba ~]$ ls .  
Escritorio  
[fp03alu57@samba ~]$ ls -l  
Escritorio  
[fp03alu57@samba ~]$ ls /  
bin boot database dev etc home lib lib64 lost+found media mnt opt proc root run sbin sitio software srv sys tmp users usr var webserver  
[fp03alu57@samba ~]$ ls /home  
administrador mena MNR squid  
[fp03alu57@samba ~]$ ls -l /home  
administrador  
mena  
MNR  
squid  
[fp03alu57@samba ~]$
```

```
fp03alu57@samba:~  
ls(1)  
NAME  
ls - list directory contents  
SYNOPSIS  
ls [OPTION]... [FILE]...  
DESCRIPTION  
List information about the FILES (the current directory by default). Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.  
Mandatory arguments to long options are mandatory for short options too.  
-a, --all  
do not ignore entries starting with .  
-A, --almost-all  
do not list implied . and ..  
--author  
with -l, print the author of each file  
-b, --escape  
print C-style escapes for nongraphic characters  
--block-size=SIZE  
scale sizes by SIZE before printing them. E.g., '--block-size=M' prints sizes in units of 1,048,576 bytes. See SIZE format below.  
-B, --ignore-backups  
do not list implied entries ending with ~  
-c with -lt: sort by, and show, ctime (time of last modification of file status information) with -l: show ctime and sort by name otherwise: sort by  
ctime, newest first  
-C list entries by columns  
--color[=WHEN]  
colorize the output. WHEN defaults to 'always' or can be 'never' or 'auto'. More info below  
-d, --directory  
list directory entries instead of contents, and do not dereference symbolic links  
-D, --dired  
Manual page ls(1) line 1 (press h for help or q to quit)
```

```
fp03alu57@samba:~  
C:\Users\dellR>ssh -p 99 fp03alu57@132.248.59.142  
fp03alu57@132.248.59.142's password:  
Last login: Mon Oct 12 14:18:51 2020 from 189.151.165.151  
  
SMBAA  
[fp03alu57@samba ~]$ ls /usr  
ls: no se puede acceder a /usr: No existe el fichero o el directorio  
[fp03alu57@samba ~]$ ls ..  
fp03alu01 fp03alu07 fp03alu13 fp03alu19 fp03alu25 fp03alu31 fp03alu37 fp03alu43 fp03alu49 fp03alu55  
fp03alu02 fp03alu08 fp03alu14 fp03alu20 fp03alu26 fp03alu32 fp03alu38 fp03alu44 fp03alu50 fp03alu56  
fp03alu03 fp03alu09 fp03alu15 fp03alu21 fp03alu27 fp03alu33 fp03alu39 fp03alu45 fp03alu51 fp03alu57  
fp03alu04 fp03alu10 fp03alu16 fp03alu22 fp03alu28 fp03alu34 fp03alu40 fp03alu46 fp03alu52  
fp03alu05 fp03alu11 fp03alu17 fp03alu23 fp03alu29 fp03alu35 fp03alu41 fp03alu47 fp03alu53  
fp03alu06 fp03alu12 fp03alu18 fp03alu24 fp03alu30 fp03alu36 fp03alu42 fp03alu48 fp03alu54  
[fp03alu57@samba ~]$ ls ../  
fp03alu01 fp03alu07 fp03alu13 fp03alu19 fp03alu25 fp03alu31 fp03alu37 fp03alu43 fp03alu49 fp03alu55  
fp03alu02 fp03alu08 fp03alu14 fp03alu20 fp03alu26 fp03alu32 fp03alu38 fp03alu44 fp03alu50 fp03alu56  
fp03alu03 fp03alu09 fp03alu15 fp03alu21 fp03alu27 fp03alu33 fp03alu39 fp03alu45 fp03alu51 fp03alu57  
fp03alu04 fp03alu10 fp03alu16 fp03alu22 fp03alu28 fp03alu34 fp03alu40 fp03alu46 fp03alu52  
fp03alu05 fp03alu11 fp03alu17 fp03alu23 fp03alu29 fp03alu35 fp03alu41 fp03alu47 fp03alu53  
fp03alu06 fp03alu12 fp03alu18 fp03alu24 fp03alu30 fp03alu36 fp03alu42 fp03alu48 fp03alu54  
[fp03alu57@samba ~]$ ls ../../usr  
ls: no se puede acceder a ../../usr: No existe el fichero o el directorio  
[fp03alu57@samba ~]$
```

```
fp03alu57@samba:~  
C:\Users\dellR>ssh -p 99 fp03alu57@132.248.59.142  
fp03alu57@132.248.59.142's password:  
Last login: Mon Oct 12 14:18:51 2020 from 189.151.165.151  
  
Samba  
  
[fp03alu57@samba ~]$ ls /usr  
ls: no se puede acceder a /usr: No existe el fichero o el directorio  
[fp03alu57@samba ~]$ ls ..  
fp03alu01 fp03alu07 fp03alu13 fp03alu19 fp03alu25 fp03alu31 fp03alu37 fp03alu43 fp03alu49 fp03alu55  
fp03alu02 fp03alu08 fp03alu14 fp03alu20 fp03alu26 fp03alu32 fp03alu38 fp03alu44 fp03alu50 fp03alu56  
fp03alu03 fp03alu09 fp03alu15 fp03alu21 fp03alu27 fp03alu33 fp03alu39 fp03alu45 fp03alu51 fp03alu57  
fp03alu04 fp03alu10 fp03alu16 fp03alu22 fp03alu28 fp03alu34 fp03alu40 fp03alu46 fp03alu52  
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fp03alu06 fp03alu12 fp03alu18 fp03alu24 fp03alu30 fp03alu36 fp03alu42 fp03alu48 fp03alu54  
[fp03alu57@samba ~]$ ls ../  
fp03alu01 fp03alu07 fp03alu13 fp03alu19 fp03alu25 fp03alu31 fp03alu37 fp03alu43 fp03alu49 fp03alu55  
fp03alu02 fp03alu08 fp03alu14 fp03alu20 fp03alu26 fp03alu32 fp03alu38 fp03alu44 fp03alu50 fp03alu56  
fp03alu03 fp03alu09 fp03alu15 fp03alu21 fp03alu27 fp03alu33 fp03alu39 fp03alu45 fp03alu51 fp03alu57  
fp03alu04 fp03alu10 fp03alu16 fp03alu22 fp03alu28 fp03alu34 fp03alu40 fp03alu46 fp03alu52  
fp03alu05 fp03alu11 fp03alu17 fp03alu23 fp03alu29 fp03alu35 fp03alu41 fp03alu47 fp03alu53  
fp03alu06 fp03alu12 fp03alu18 fp03alu24 fp03alu30 fp03alu36 fp03alu42 fp03alu48 fp03alu54  
[fp03alu57@samba ~]$ ls ../../usr  
ls: no se puede acceder a ../../usr: No existe el fichero o el directorio  
[fp03alu57@samba ~]$ touch nombre_archivo[.ext]  
[fp03alu57@samba ~]$ touch imagenes[.ext]  
[fp03alu57@samba ~]$ mkdir fundamentos_carpeta  
[fp03alu57@samba ~]$ mkdir tareas  
[fp03alu57@samba ~]$
```

```
fp03alu57@samba:~  
Microsoft Windows [Versi3n 10.0.19041.508]  
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C:\Users\dellR>ssh -p 99 fp03alu57@1323.248.59.142  
ssh: Could not resolve hostname 1323.248.59.142: Host desconocido.  
  
C:\Users\dellR>ssh -p 99 fp03alu57@132.248.59.142  
fp03alu57@132.248.59.142's password:  
Last login: Mon Oct 12 14:28:27 2020 from 189.151.165.151  
  
Samba  
  
[fp03alu57@samba ~]$ cd nombre_carpeta  
-bash: cd: nombre_carpeta: No existe el fichero o el directorio  
[fp03alu57@samba ~]$ cd tareas  
[fp03alu57@samba tareas]$ cd ..  
[fp03alu57@samba ~]$ pwd  
/users/fp03/fp03alu57  
[fp03alu57@samba ~]$
```

```
fp03alu57@samba:~  
C:\Users\dellR>ssh -p 99 fp03alu57@1323.248.59.142  
ssh: Could not resolve hostname 1323.248.59.142: Host desconocido.  
C:\Users\dellR>ssh -p 99 fp03alu57@132.248.59.142  
fp03alu57@132.248.59.142's password:  
Last login: Mon Oct 12 14:28:27 2020 from 189.151.165.151
```

# SAMBA

```
[fp03alu57@samba ~]$ cd nombre_carpetas  
-bash: cd: nombre_carpetas: No existe el fichero o el directorio  
[fp03alu57@samba ~]$ cd tareas  
[fp03alu57@samba tareas]$ cd ..  
[fp03alu57@samba ~]$ pwd  
/users/fp03/fp03alu57  
[fp03alu57@samba ~]$ find . -name cadena_buscar  
[fp03alu57@samba ~]$ find . -name tareas  
.  
./imagenes[.ext]  
./bash_logout  
./nombre_archivo[.ext]  
./bashrc  
./tareas  
./Escritorio  
./Escritorio/Proyector.desktop  
./bash_profile  
./bash_history  
./gnome2  
./fundamentos_carpetas  
./mozilla  
./mozilla/extensions  
./mozilla/plugins  
./zshrc  
./emacs  
find: 'name': No existe el fichero o el directorio  
tareas  
[fp03alu57@samba ~]$
```



En la práctica utilizamos shell, de esta manera podíamos introducir comandos u órdenes en el sistema operativo de las computadoras del laboratorio, algunos de ellos nos permiten listar elementos de alguna ubicación específica, ls / nos permite ver los usuarios que se encuentran en los equipos, dentro del sistema operativo podemos crear carpetas y con algunos otros comandos podemos ubicar una carpeta específica.