

Computer Systems – Activities 2

# UD 10. LINUX



Computer Systems  
CFGs DAW

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## Nomenclatura

A lo largo de este tema se utilizarán distintos símbolos para distinguir elementos importantes dentro del contenido. Estos símbolos son:

🔔 Actividad opcional. Normalmente hace referencia a un contenido que se ha comentado en la documentación por encima o que no se ha hecho, pero es interesante que le alumno investigue y practique. Son tipos de actividades que no entran para examen

👁 Atención. Hace referencia a un tipo de actividad donde los alumnos suelen cometer equivocaciones.

## UD010. LINUX

### Activities 2

#### 1.1 Activity 1

Investigate and post/discuss in the forum some of these topics (remember, there is an extra point for participate in the forum):

- What is /dev directory and explain how to mount a unit.
- What is file “/etc/fstab”.
- Differences between hard links and symbolic links.
- Examples of files with SetUID activated and why they need it.
- Security problems with bit SetUID
- Any other Linux topic that you consider interesting or difficult.

#### 1.2 Activity 2

Do the suggested actions on Linux console and write the command used to perform each one.

**1. Go to your home directory.**

**2. Create directory PRACTICA on your home directory.**

**3. Change current directory to PRACTICA.**

**4. Create sub-directory DATOS in PRACTICA.**

**5. Change current directory to DATOS**

**6. (Outside of Linux console) Create a file texto.txt with your name and surname inside**

**7. Copy file texto.txt to texto.bak**

**8. Copy file texto.txt to texto.bas**

**9. Execute command LS using wildcards to only show files that start with TEX and its two first extension characters would be BA.**

**10. Create file salida.txt using a redirected output using the command of the last exercise.**

**11. Check the content of salida.txt using command CAT.**

**12. Rename file salida.txt to salida.dat**

**13. (Outside of Linux console) Create file clasi.dat with:**

1 Valencia CF

2 At. Madrid

3 Villarreal CF

4 FC Barcelona

5 Real Madrid

**14. Being DATOS your current directory, copy all content of directory PRACTICA and its sub-directories to a new directory DOCS in the root (/home/yourhome/DOCS)**

**18. Change to directory home/yourhome/DOCS/DATOS using a relative route**

**19. Create file clasi.org as a result of sort clasi.dat for second column.**

**20. Delete created directories.**