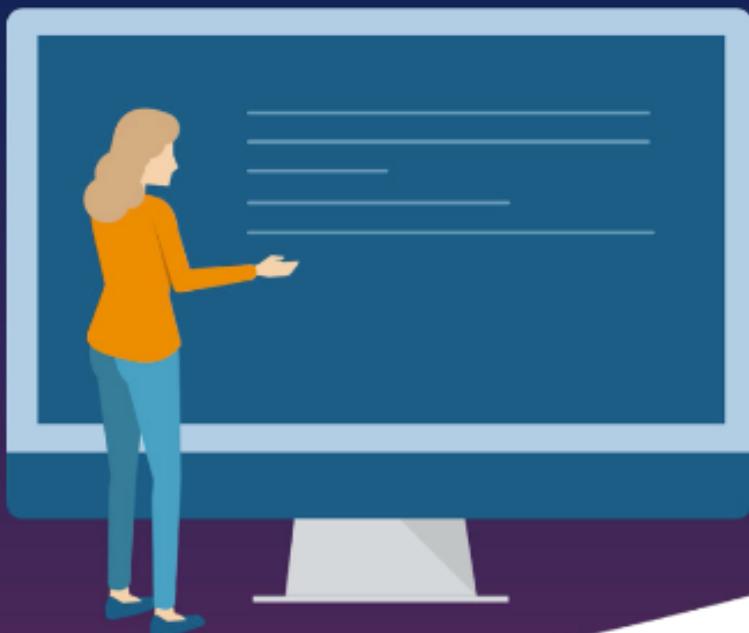


LA HISTORIA DE LOS SISTEMAS OPERATIVOS



Introduction to Linux

Linux is Everywhere!

- Linux is everywhere, Linux jobs are everywhere, there is a shortage of Linux talent, and, Linux skills are in demand in just about every industry and job category on the planet.





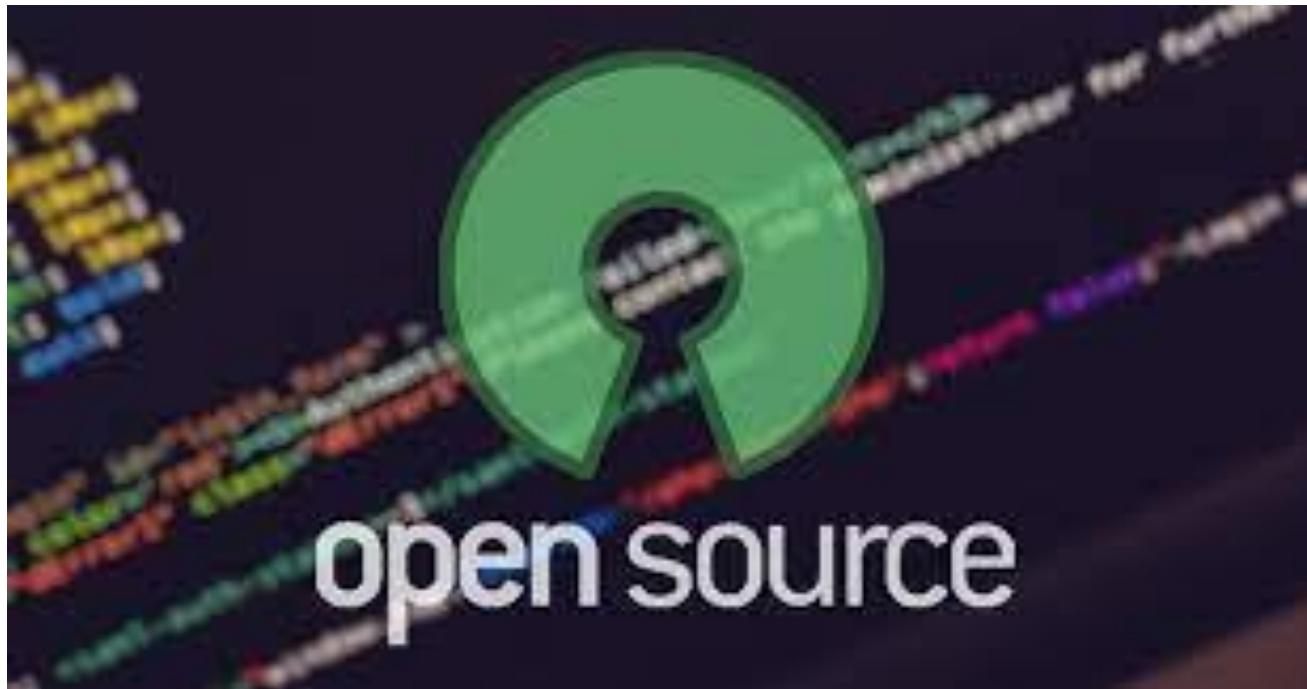
Linux is a Kernel

- Linux means the *kernel* of the system, which is the central controller of everything that happens on the computer.
- Linux is a combination of software called **GNU/Linux**, which defines the *operating system*.
 - GNU is the *free software* that provides open source equivalents of many common UNIX commands.
 - The Linux part of this combination is the *Linux kernel*, which is the core of the operating system.
- The story of Linux begins with UNIX, an operating system developed at AT&T Bell Labs in the 1970s.
- UNIX is written in the C language.

Linux is a Kernel

- Linux started in 1991 as a hobby project by Linus Torvalds, a Finnish born computer scientist studying at the University of Helsinki.
- The **GNU Project** was developed Linux by Richard Stallman in 1983.
- Linux programmers were able to incorporate the GNU tools to provide a complete operating system.

Rol de Código Abierto



Linux Has Distributions

- A *distribution* refers to the Linux kernel, tools, and suite of applications that come bundled together.
- Take Linux and the GNU tools, add some user-facing applications like a web browser and an email client, and you have a full Linux system.
- There are distributions suited to every imaginable purpose.
- There are distributions that focus on running servers, desktops, or even industry-specific tools like electronics design or statistical computing.

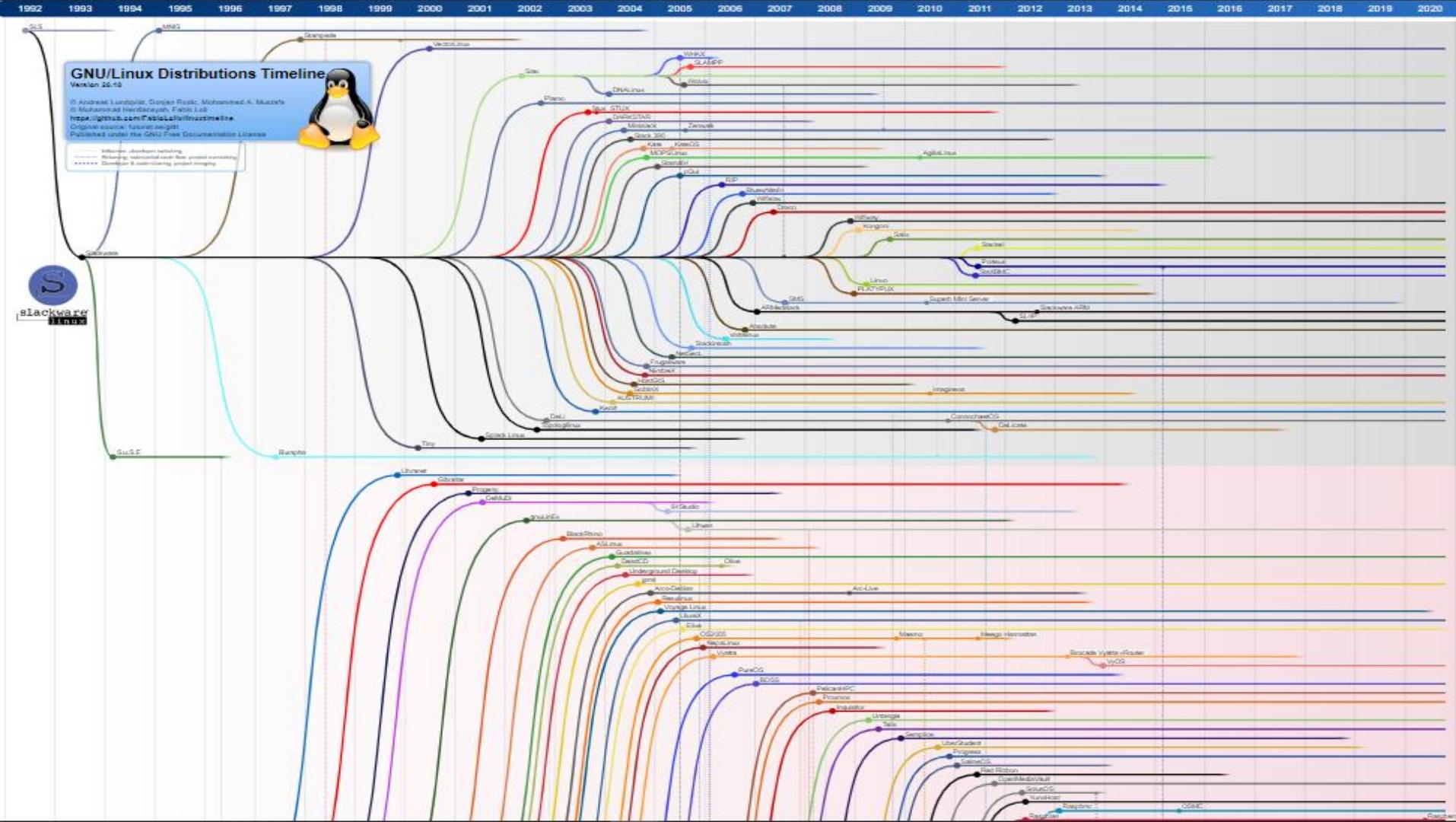
Actividad: Distribuciones de Linux



Seleccione 5 distribuciones de Linux y describa, ¿Cuál es el propósito de ese Sistema Operativo?







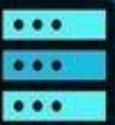
¿Qué es un Comando?



Module 01

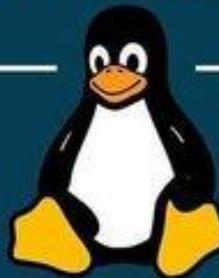
Introduction to Linux

¿POR QUÉ ES TAN IMPORTANTE LINUX?



SERVIDORES

Linux es la base de las empresas **más importantes** en aplicaciones nativas de la nube y contenedores.



DESARROLLO

Linux permite configurar con precisión el **aprovechamiento** de los recursos del sistema y hardware.



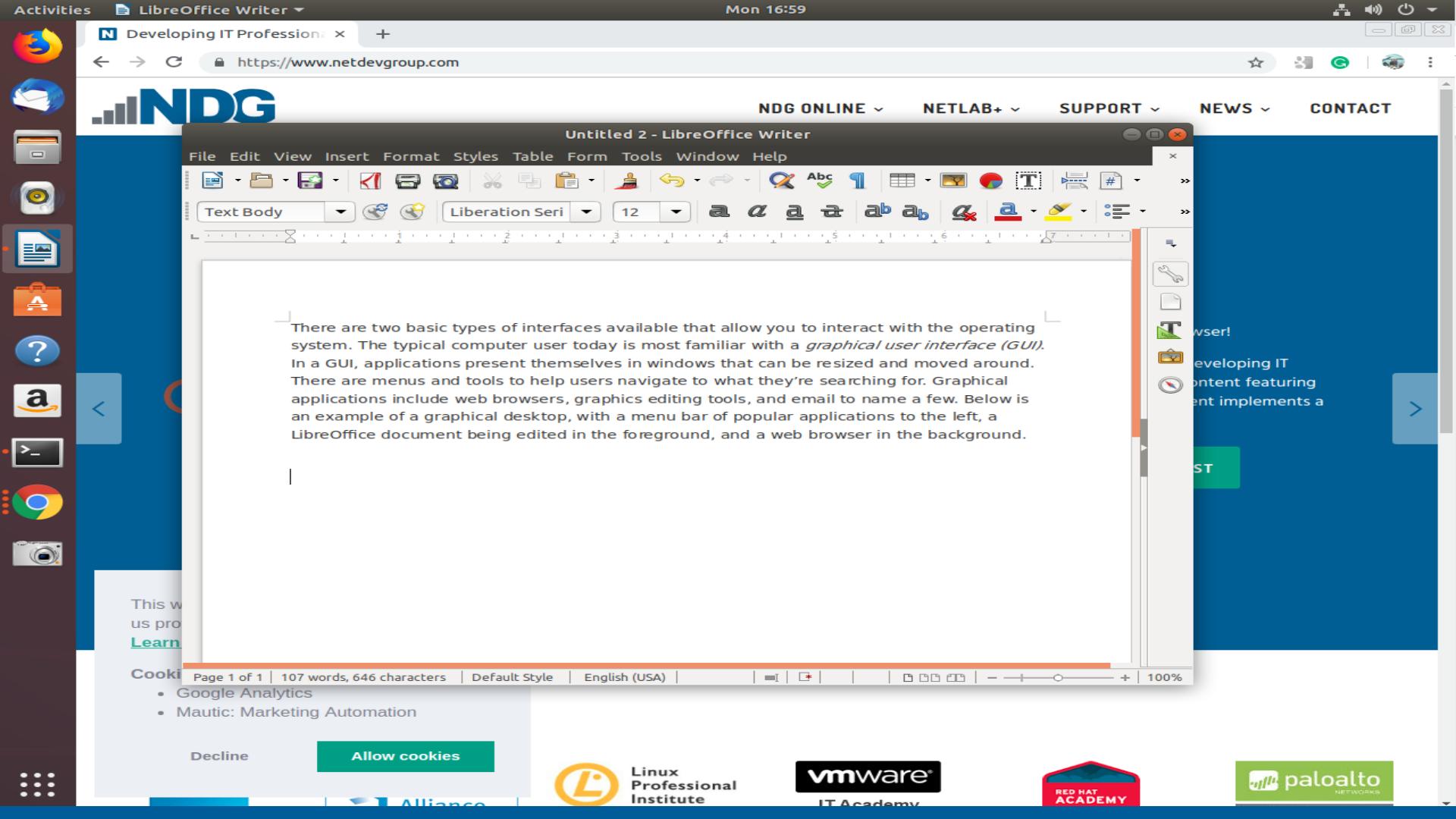
SEGURIDAD

Los sistemas Linux cuentan con gran compatibilidad con **herramientas de seguridad** y aceptación por la **comunidad** de esta disciplina.



DISTRIBUCIONES

Al ser un sistema operativo Open Source le ha permitido a cientos de comunidades crear sus propias distribuciones de Linux, como **Debian, Fedora y Ubuntu**.



sysadmin : bash — Konsole

File Edit View Bookmarks Settings Help

sysadmin@ubuntu:~\$

sysadmin : bash

Cómo se muestra en el siguiente gráfico.

```
sysadmin@localhost:~$ alias mycal="cal 201  
sysadmin@localhost:~$ mycal
```

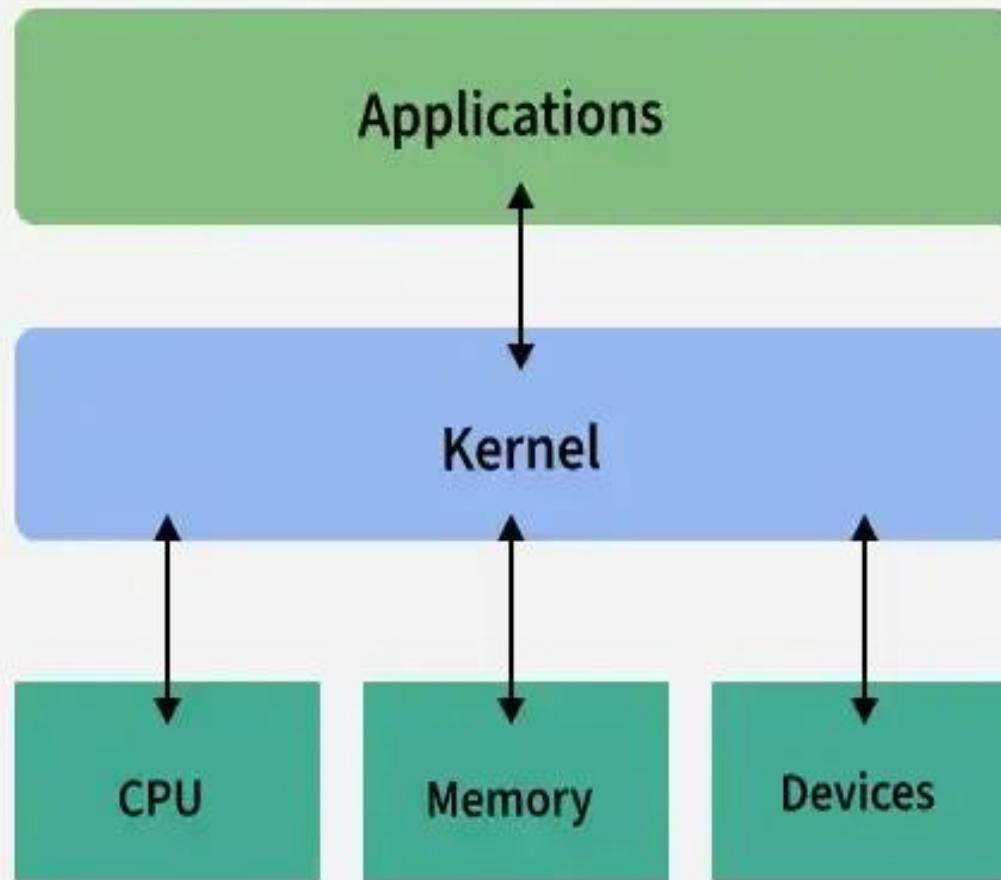
Enero							Febrero						
Do	Lu	Ma	Mi	Ju	Vi	Sá	Do	Lu	Ma	Mi	Ju	Vi	Sá
							1	2	3	4			1
5	6	7	8	9	10	11	2	3	4	5	6	7	8
12	13	14	15	16	17	18	9	10	11	12	13	14	15
19	20	21	22	23	24	25	16	17	18	19	20	21	22
26	27	28	29	30	31		23	24	25	26	27	28	

Abril							Mayo								
Do	Lu	Ma	Mi	Ju	Vi	Sá	Do	Lu	Ma	Mi	Ju	Vi	Sá		
							1	2	3	4	5		1	2	3
6	7	8	9	10	11	12	4	5	6	7	8	9	10		
13	14	15	16	17	18	19	11	12	13	14	15	16	17		
20	21	22	23	24	25	26	18	19	20	21	22	23	24		
27	28	29	30				25	26	27	28	29	30	31		

Julio							Agosto								
Do	Lu	Ma	Mi	Ju	Vi	Sá	Do	Lu	Ma	Mi	Ju	Vi	Sá		
							1	2	3	4	5	6	7		
12	13	14	15	16	17	18	19	20	21	22	23	24	25		
29	30						26	27	28	29	30	31			

```
sysadmin@localhost:~$ CAL  
-bash: CAL: command not found  
sysadmin@localhost:~$ cal  
July 2021  
Su Mo Tu We Th Fr Sa  
      1  2  3  
 4  5  6  7  8  9 10  
11 12 13 14 15 16 17  
18 19 20 21 22 23 24  
25 26 27 28 29 30 31
```

```
sysadmin@localhost:~$ █
```



ACTIVIDAD DE CLASE

