

Ayudantía 2: Intro a Linux/GNU

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IIC2173 – Arquitectura de sistemas de software

Elecciones: En que fijarse para operar en la nube

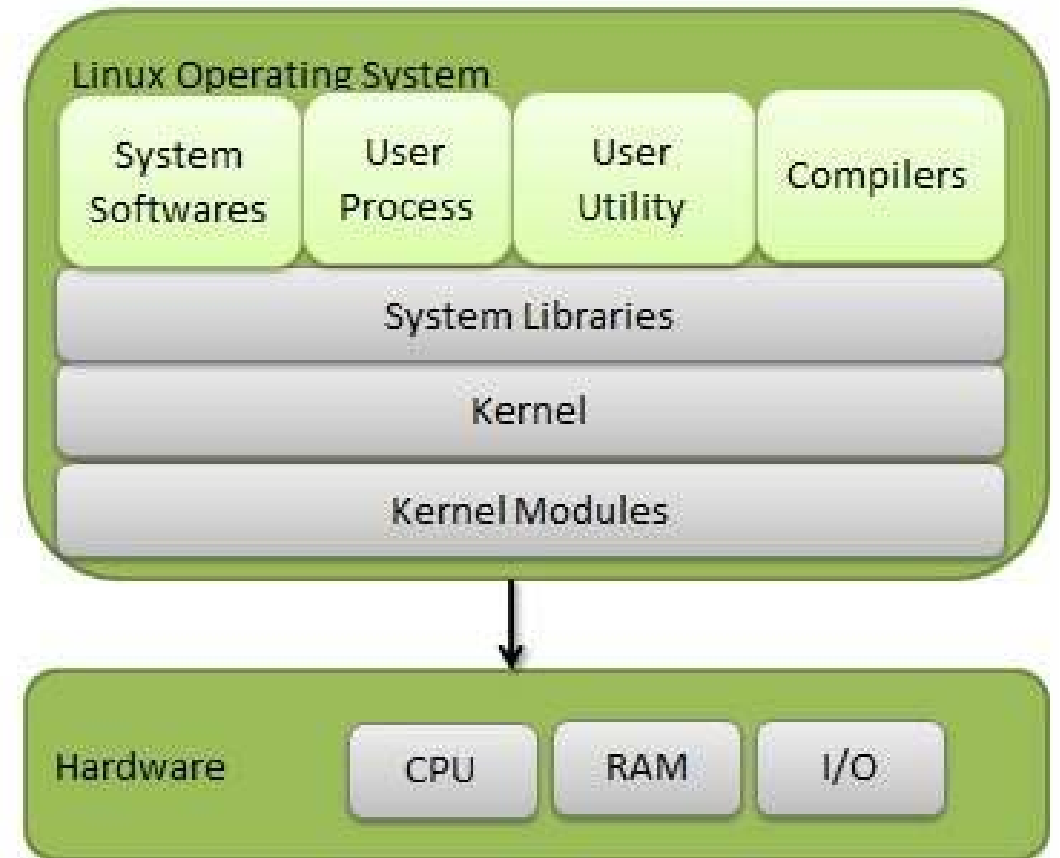
- Flexibilidad
- Escalabilidad
- Performance
- Etc. que vieron en clases
- COSTO
- COSTO
- COSTO

Elecciones disponibles en proveedores de arquitectura

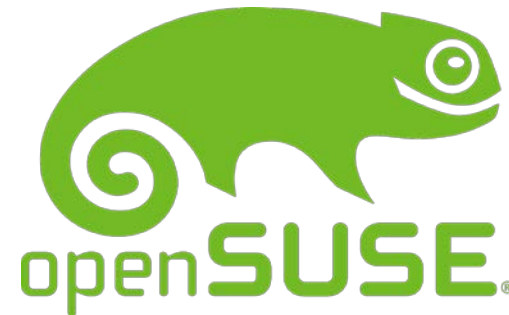
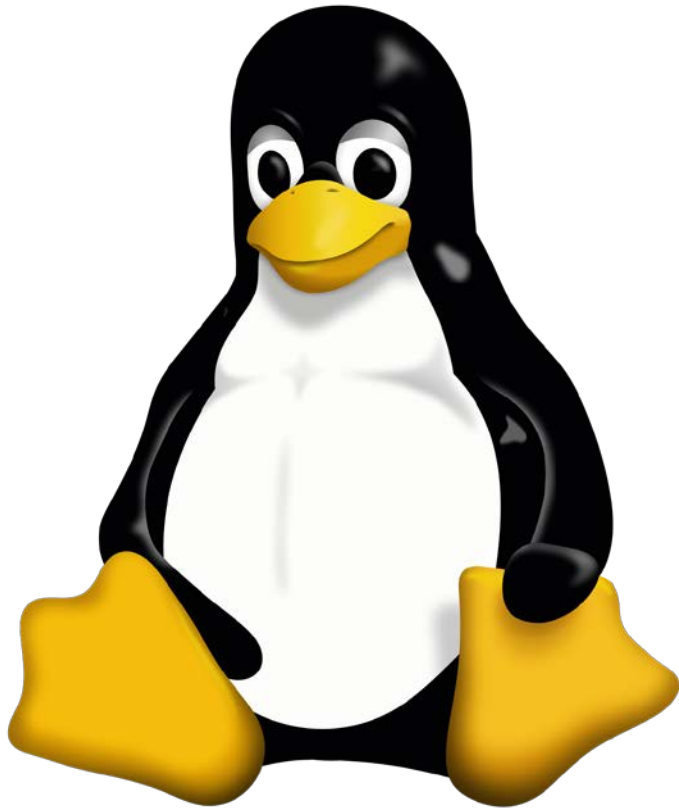
- Opciones flexibles de infraestructura
- Almacenamiento
- Organizaciones de redes
- Servicios específicos
- Performance disponible
- Serverless
- Hosting
- Sistemas operativos

Sistema operativo

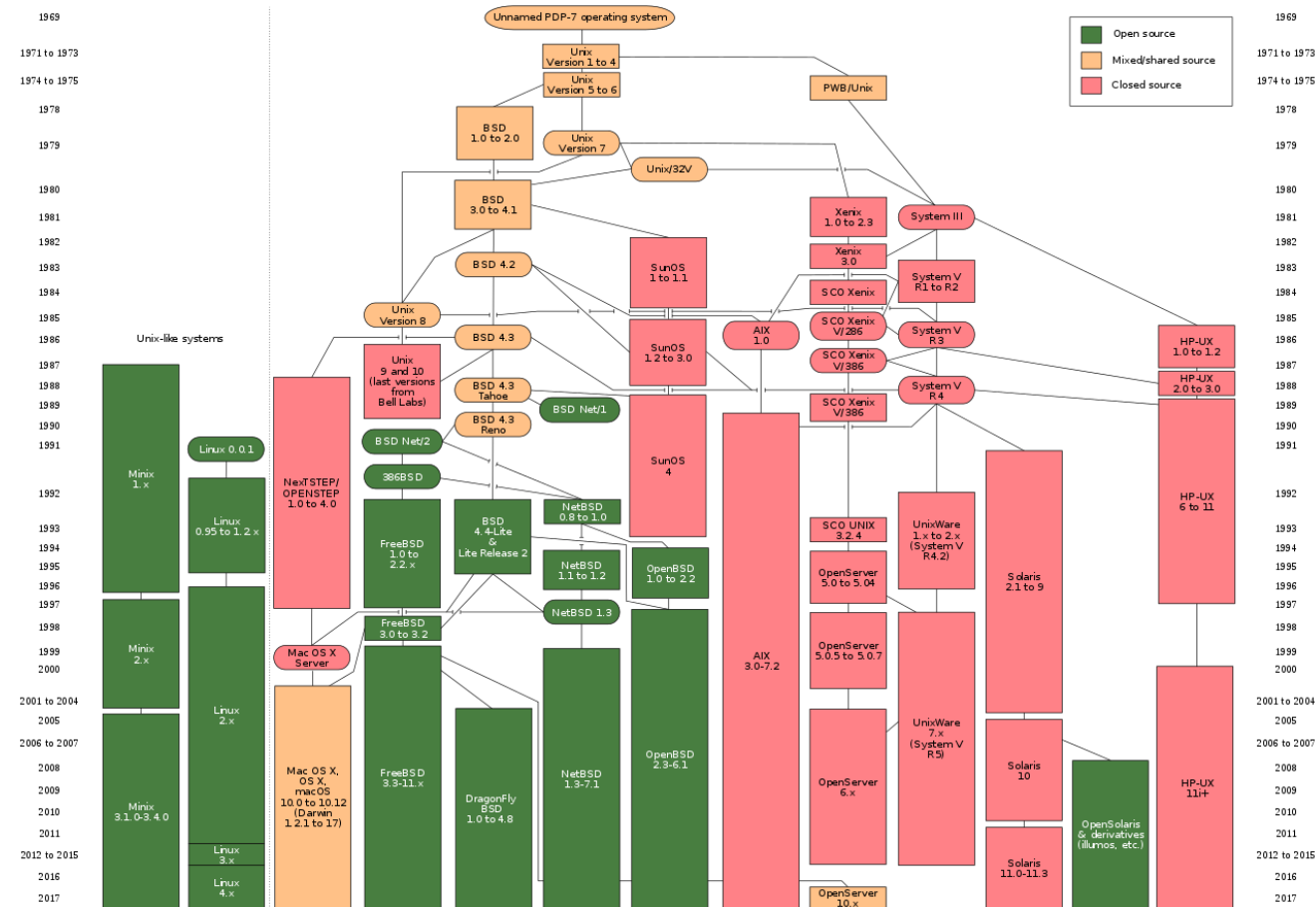
- Abstraccion sobre el hardware
- Servicios sobre los recursos de la maquina
- Administracion de recursos
- IIC2333



Sistemas disponibles



Sistemas disponibles



Sistemas disponibles



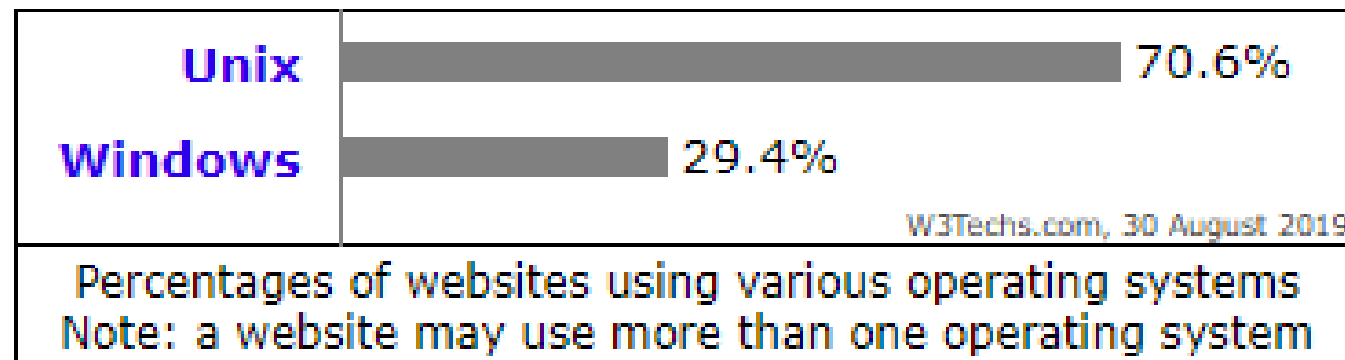
Windows Server

Que hay en los servidores en la nube?

How to read the diagram:

Unix is used by 70.6% of all the websites whose operating system we know.

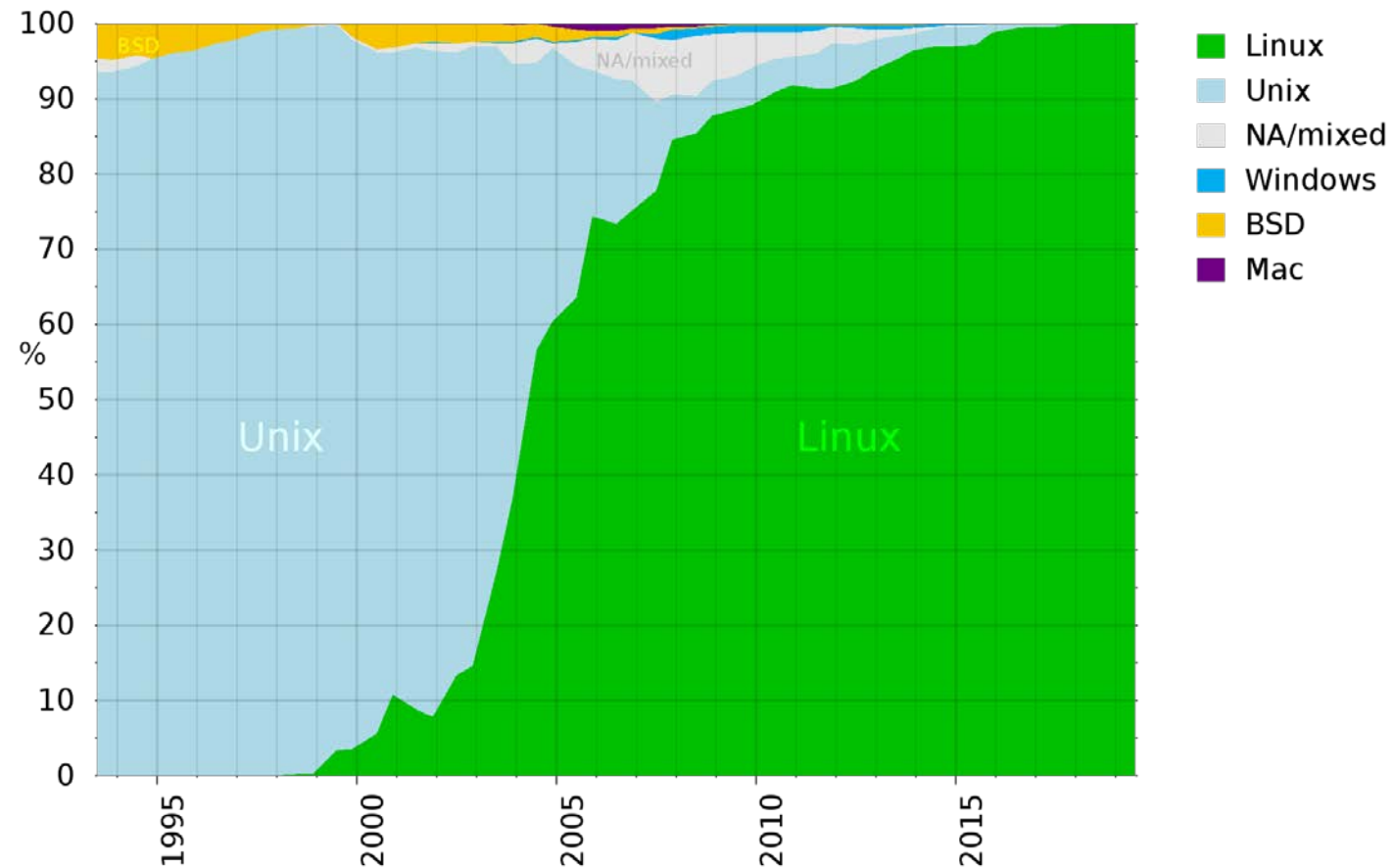
[Learn more](#)



The following operating systems are used by less than 0.1% of the websites

- macOS

Que hay en los servidores en la nube?



Open Source - Licenciamiento



Software

Ballmer: 'Linux is a cancer'

Contaminates all other software with Hippie GPL rubbish

By [Thomas C Greene](#) 2 Jun 2001 at 18:19

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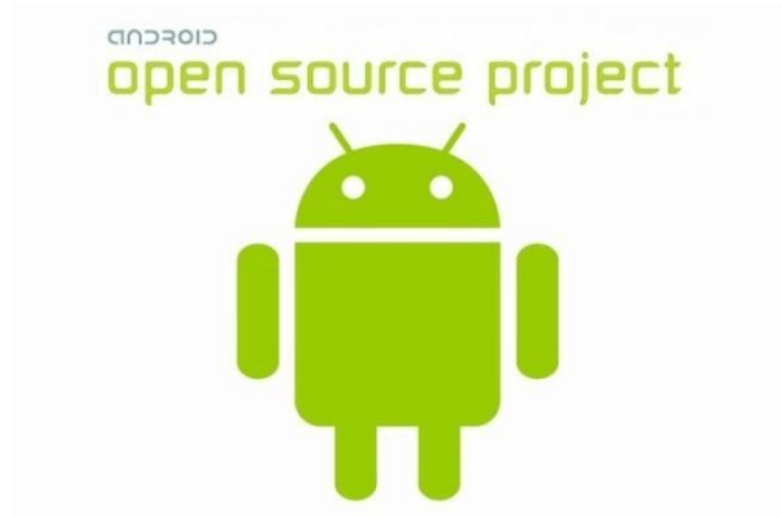


Credit: Imagemaker via Shutterstock

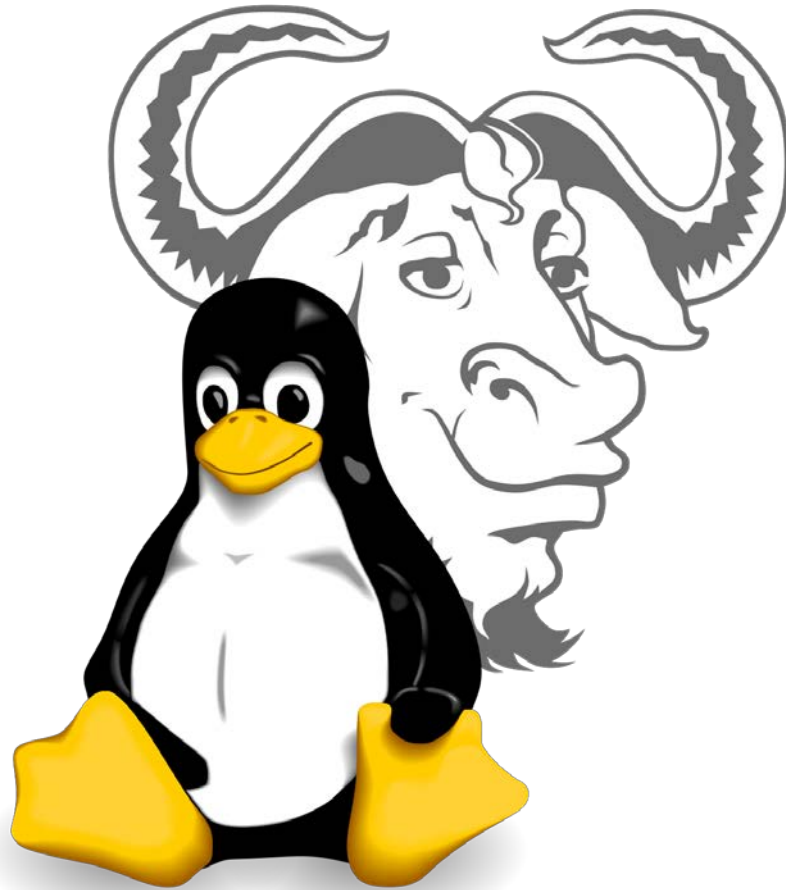
Microsoft CEO and incontinent over-stater of facts Steve Ballmer said that "Linux is a cancer that attaches itself in an intellectual property sense to everything it touches," during a commercial spot masquerading as a interview with the *Chicago Sun-Times* on June 1, 2001.

Empresas y Open software

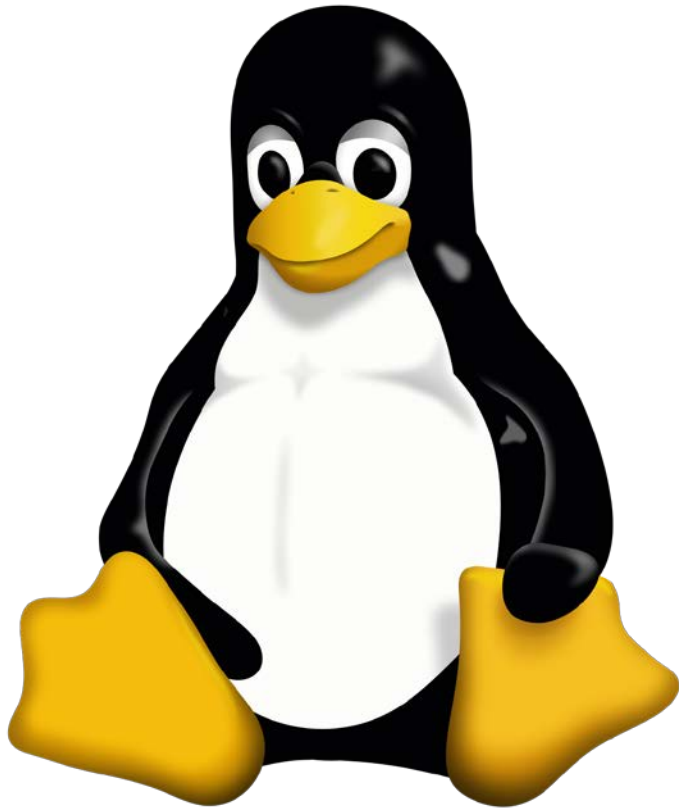
```
➤ nacosta@NB-NULL: /mnt/c/Windows/System32  
Windows PowerShell  
Copyright (C) Microsoft Corporation. Todos los derechos reservados.  
  
PS C:\WINDOWS\system32> bash  
nacosta@NB-NULL:/mnt/c/Windows/System32$
```



Linux/GNU



Distros



debian



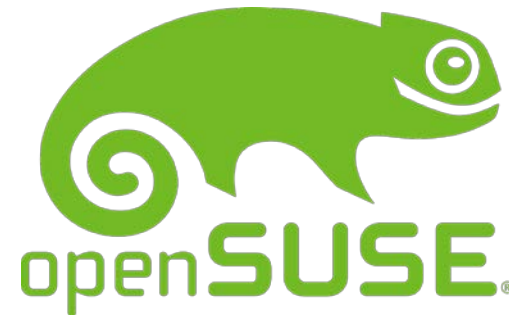
redhat



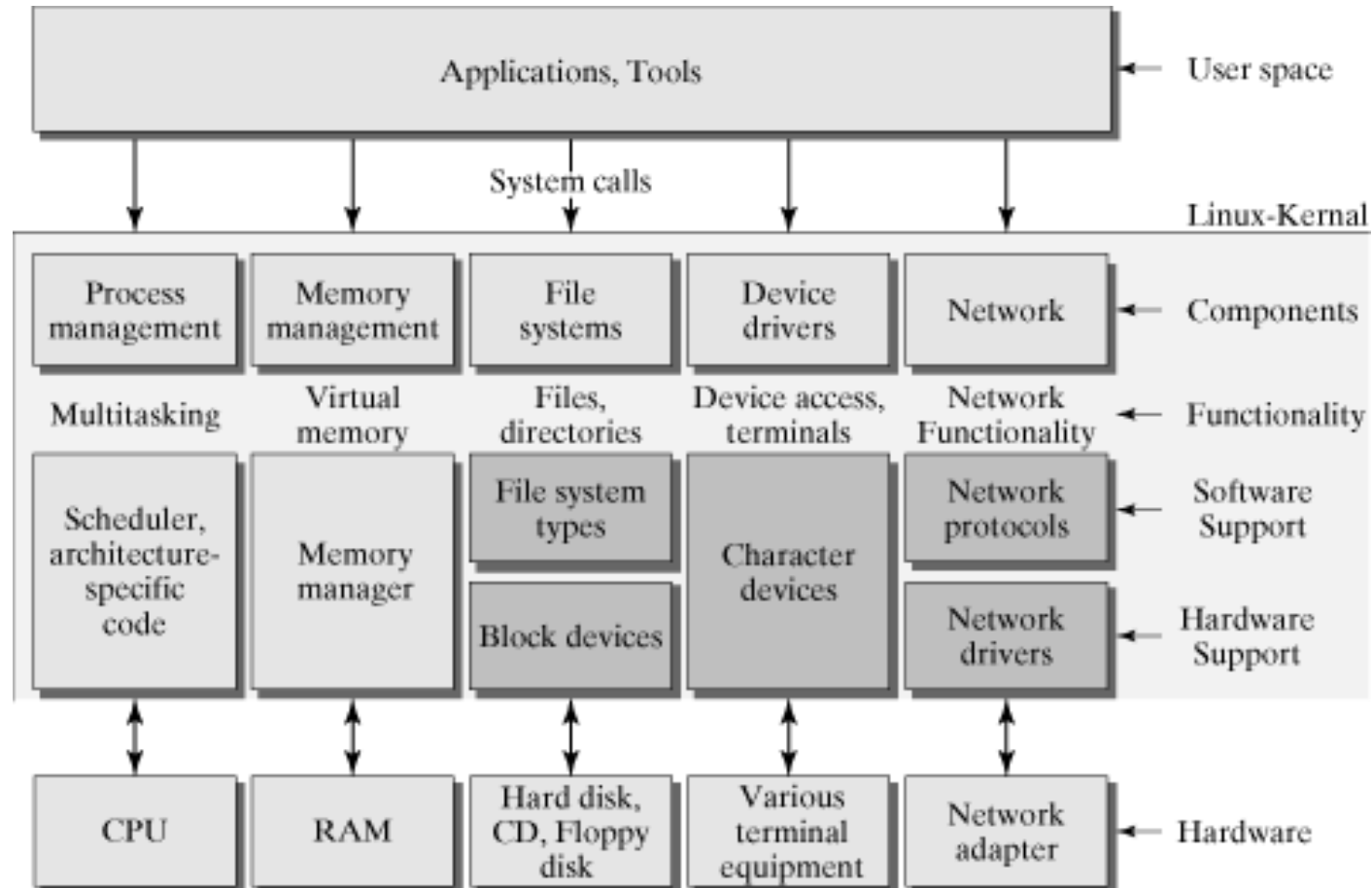
ubuntu.



CentOS

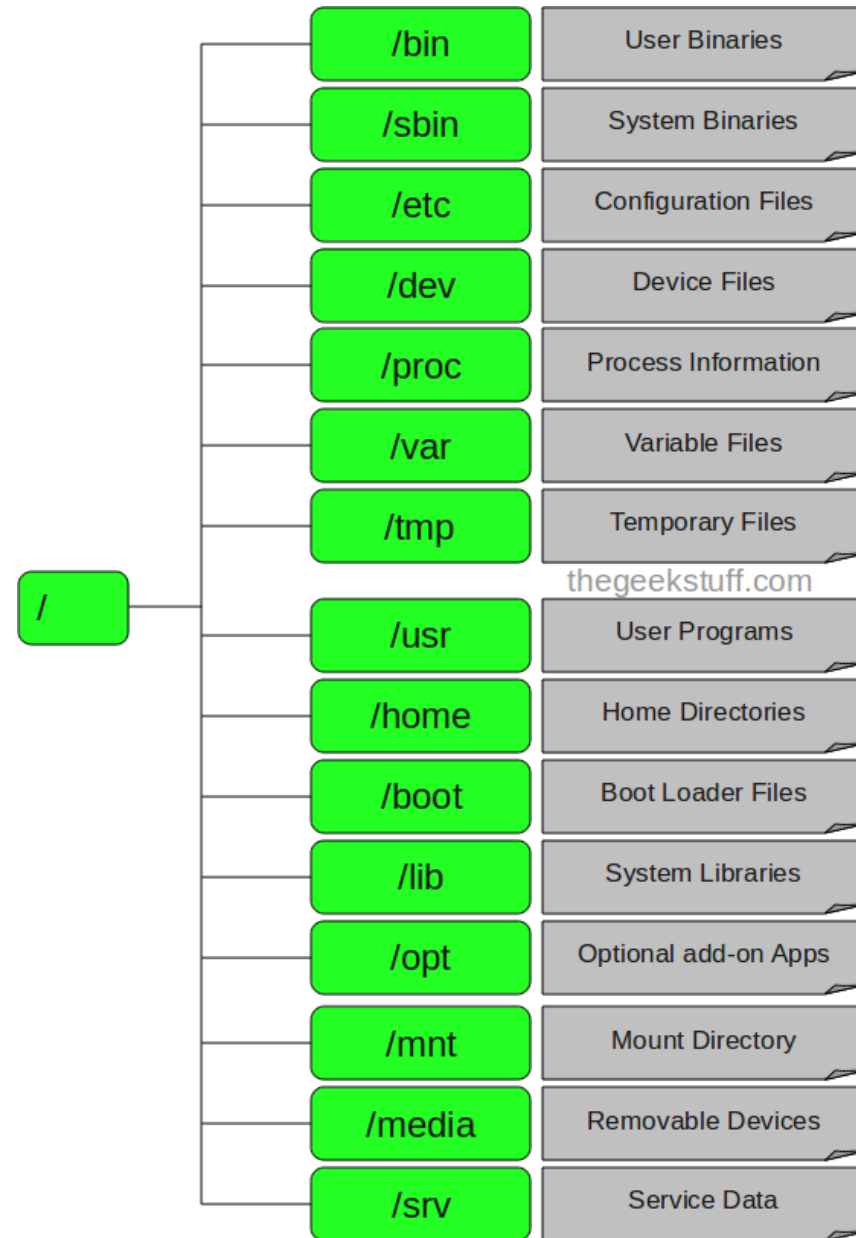


Arquitectura de Linux



<http://www.linux-india.org/characteristics-and-architecture-of-linux-operating-system/>

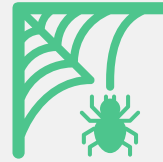
Linux file system hierarchy



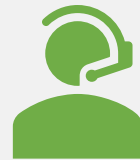
Programas de linux



Applications



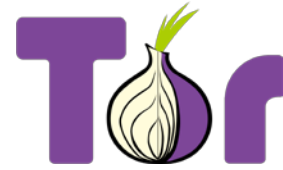
Daemons



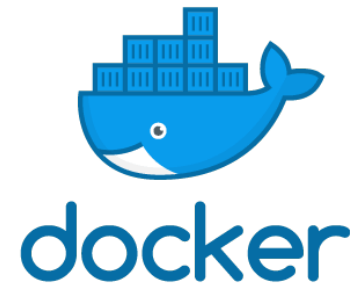
Service

Programas de Linux interesantes

- Cron
- Bash
- Man
- Aptitude
- Wget
- Curl
- Grep
- sudo



PLEX



```
macosta@NB-NULL:~$
```



Bash

- Shell para interactuar con el usuario
- Estandar *de facto*
- Alternativas: zh, sh, csh
- Consejo: bash

A la consola!



Momento de
dudas E0



Siguiente ayudantía:
Explicación del proyecto semestral