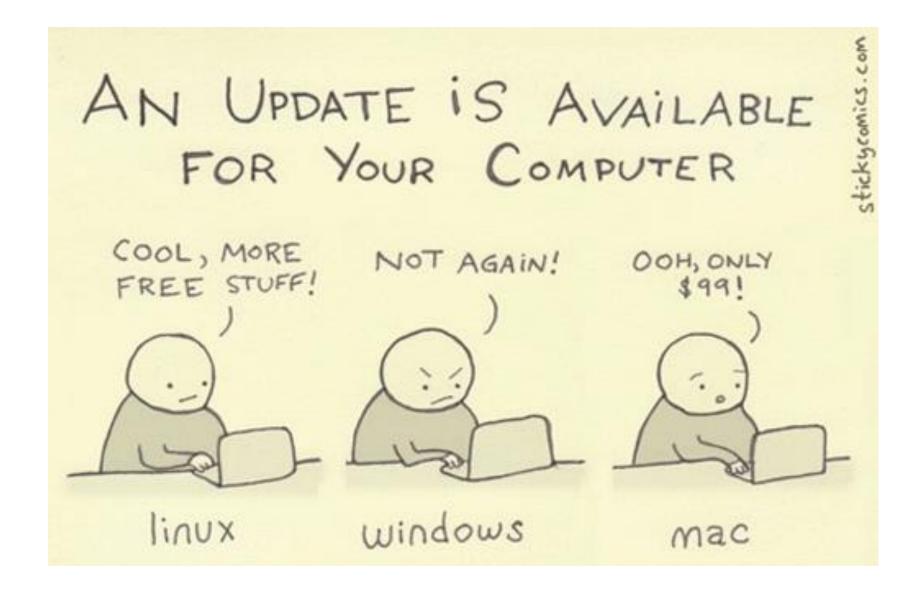
Introducción a los S.O.

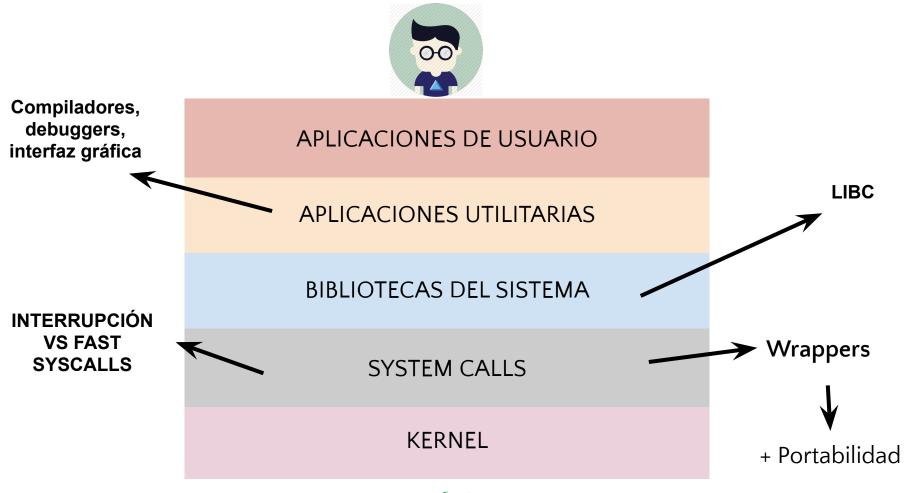


Funciones

¿Qué debería cumplir un Sistema Operativo?

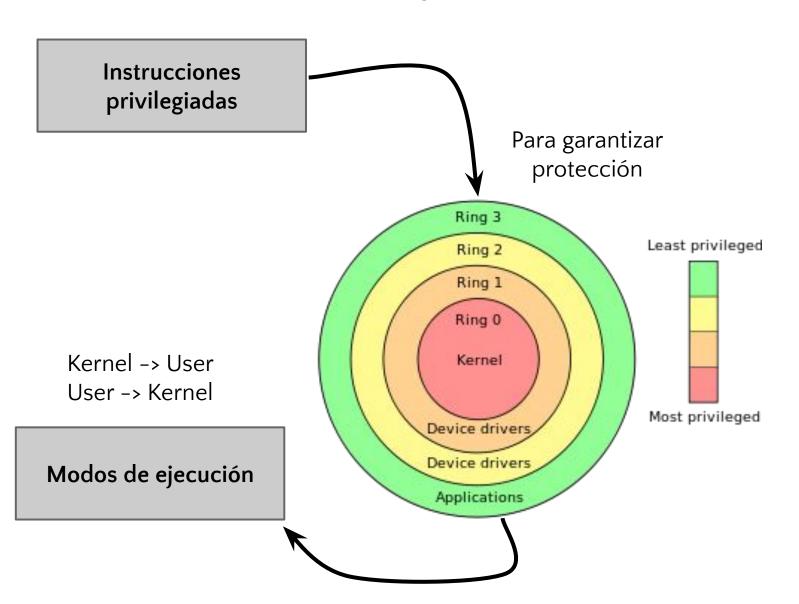
- → Administrar la ejecución de programas
- → Ser interfaz de usuario
- → Ser interfaz con los dispositivos
- → Administrar la memoria
- → Administrar los dispositivos de IO
- → Administrar los archivos
- → Comunicación entre programas

Componentes

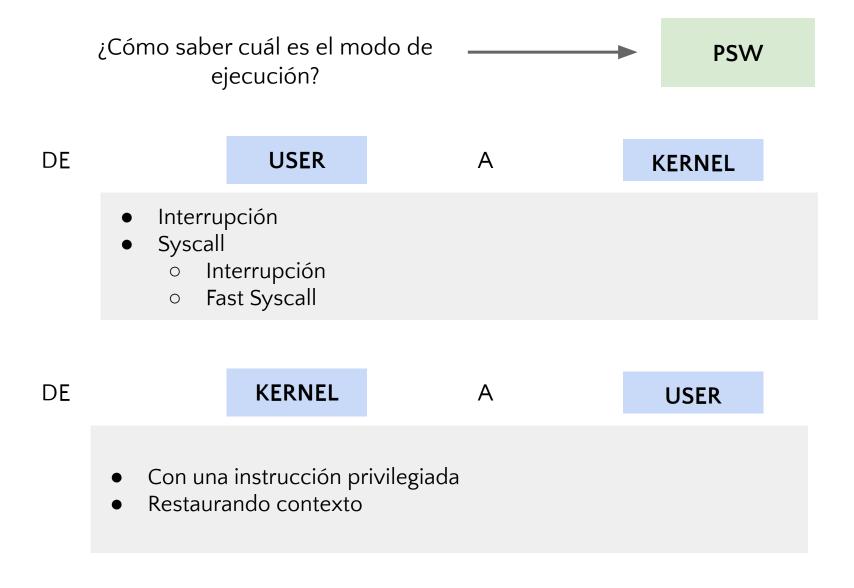




Modos de ejecución



Cambio de modo



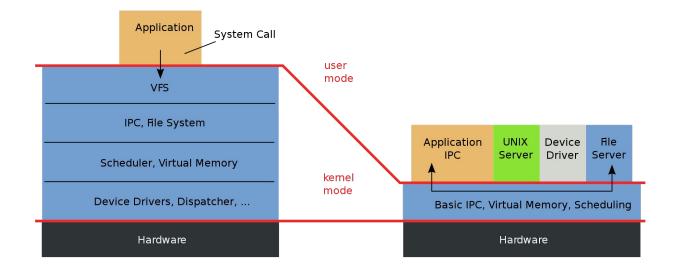


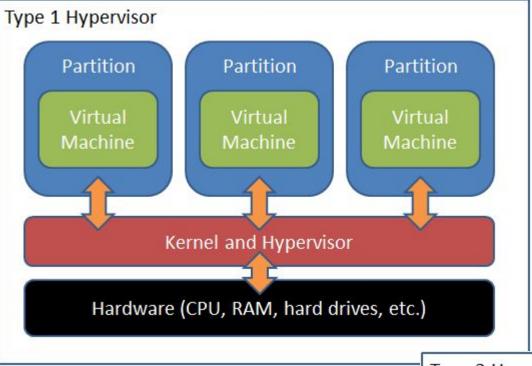
Estructura del S.O.

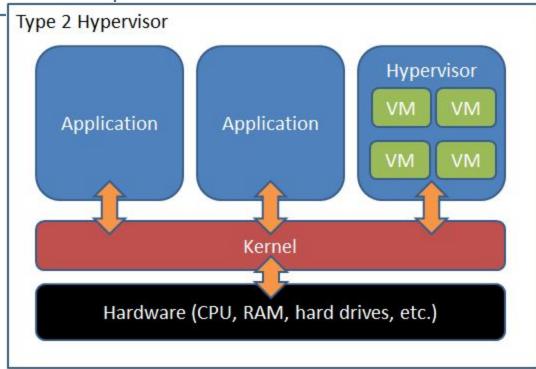
- Monolítico
- Multicapa
- Microkernel
- Máquina Virtual

Monolithic Kernel based Operating System

Microkernel based Operating System





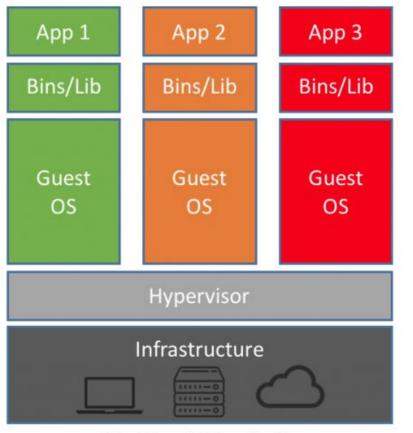




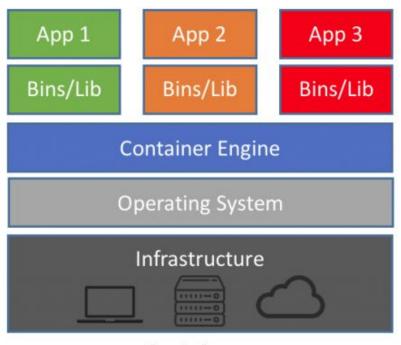
¿Preguntas?



Docker



Machine Virtualization



Containers

Links de interés

- Cómo implementar nuestro propio malloc:
 http://mgarciaisaia.github.io/tutorial-c/blog/2014/12/26/un-tutorial-rapido-para-implementar-y-debuggear-malloc/
- 8 comandos que todo desarrollador/a debería saber:
 <a href="http://blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields.com/2012/08/8-linux-commands-every-developer-should-blog.jayfields-blog.ja
- La wiki de desarrolladores de Sistemas Operativos: http://wiki.osdev.org
- El debate Tanenbaum Torvalds:
 https://groups.google.com/forum/#!topic/comp.os.minix/wlhw16QWltl%5B1
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