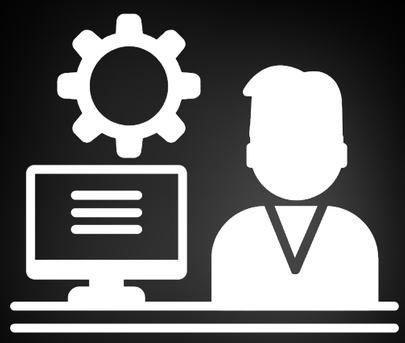
DevOps

The Coder

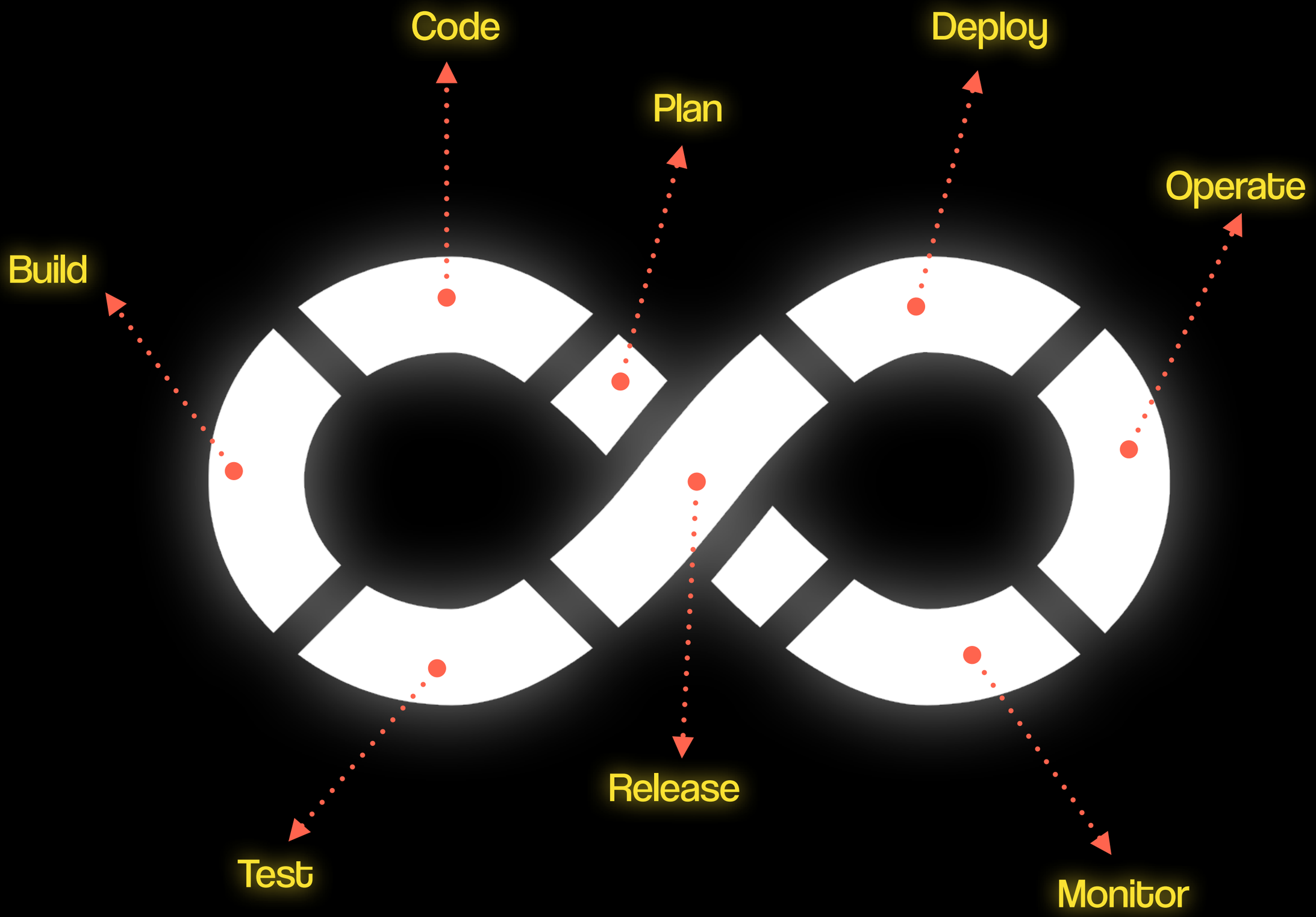


The Ops

The Coder
The Ops

Dev

Ops


Code
Plan
Deploy
Operate
Build
Test
Release
Monitor

DevOps is not a Team…

DevSecOps

The Coder

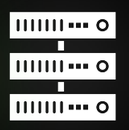
Handles sensitive data, encryption etc.

Eslint + Security plugins

Follow OWASP Guidelines

Continues...

Dynamic application security testing (DAST)



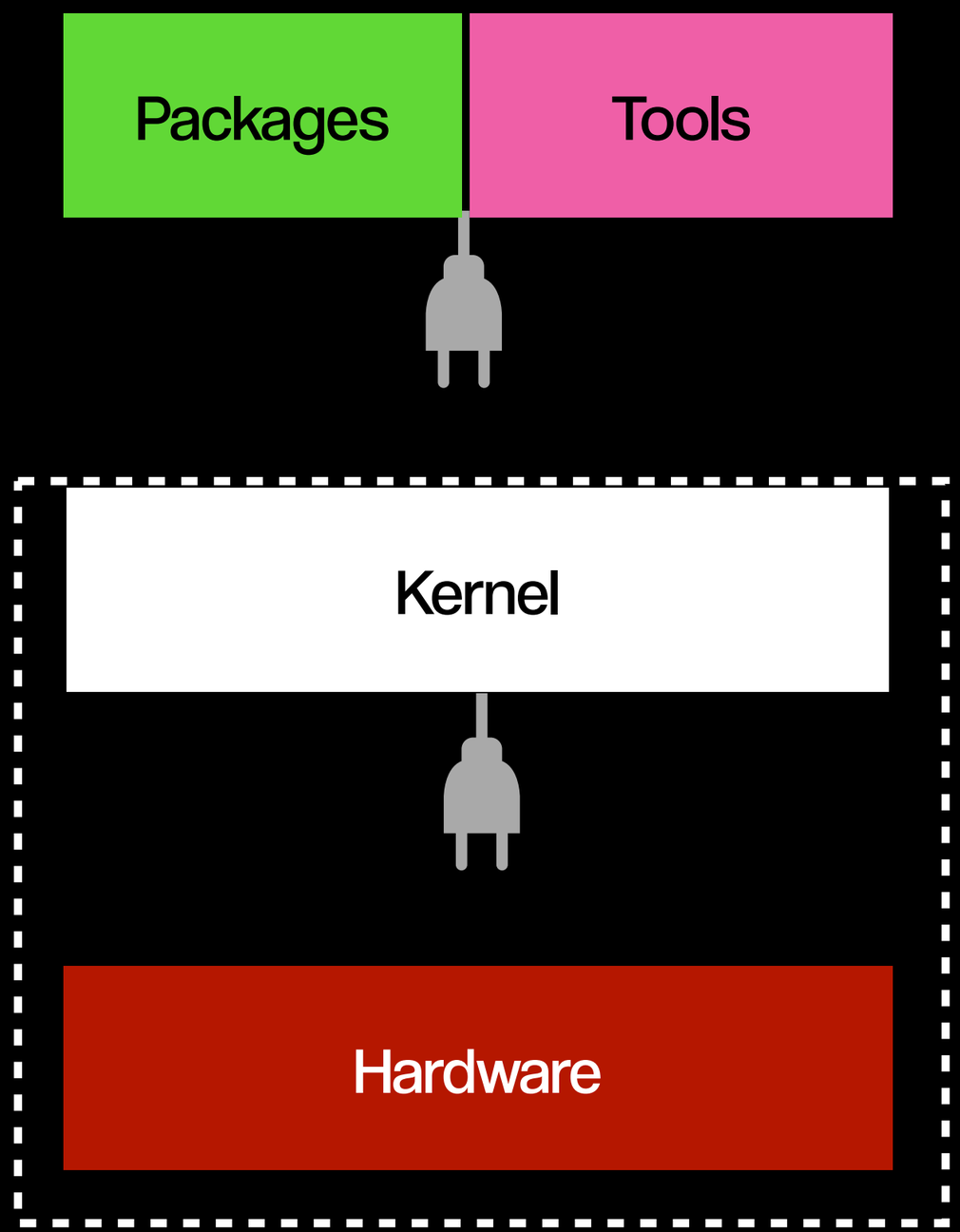
Configuration testing

Container and image security

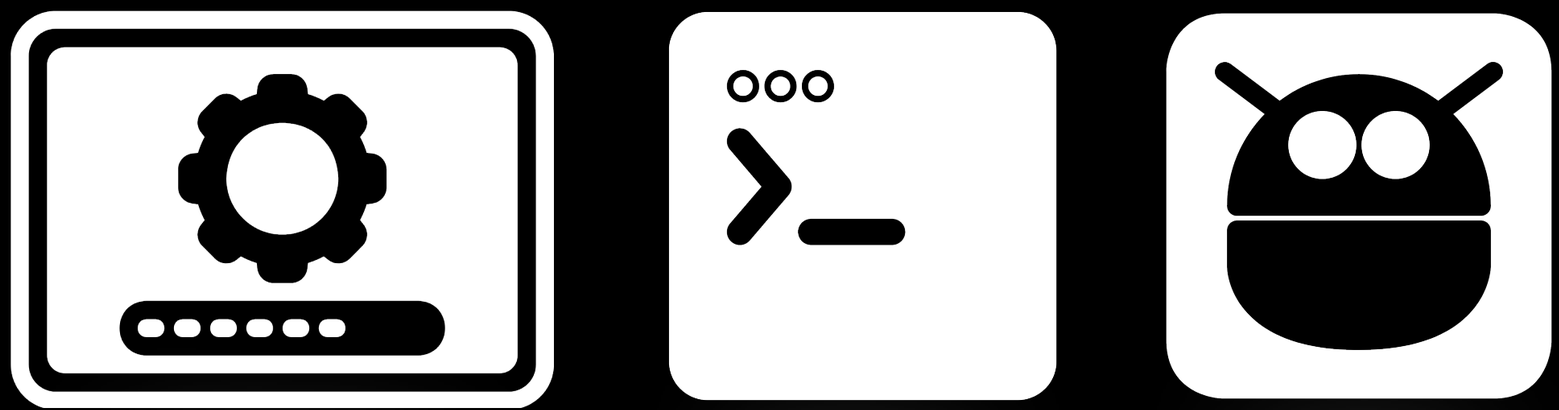
Software composition analysis (SCA)

Static application security testing (SAST)

Linux



Operating System



Desktops Servers Android

GNU/Linux distro timeline

Version 7.6 by A. Lundqvist

Inspired by *Linea del tiempo Distribuciones Linux* by A. Sandoval. Vector guidance by A. Uroševic. Sources: Contributors (too many to mention), *distrowatch.com, lwn.net, linux.org*.

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1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007

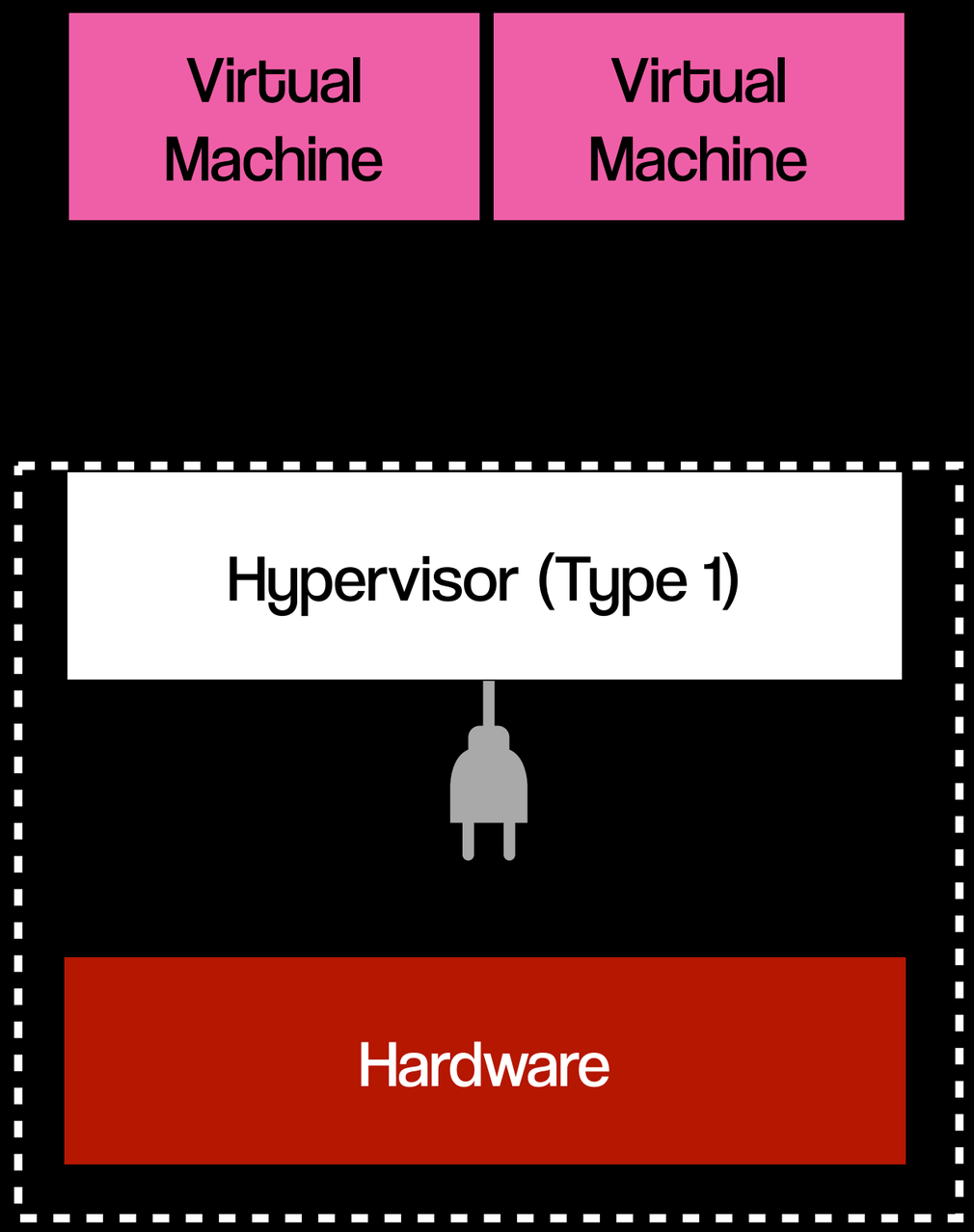
Libranet
Skolelinux
Freespire
Lindows
Linspire
DeMuDi
Impi
Guadalinex
BeatrIX
Ulteo
Kubuntu
nUbuntu
Linux Mint
Ubuntu
gNewSense
Xubuntu
Edubuntu
Elive
Sidux
Storm
Debian
BOSS
grml
Bluewall
MEPIS
SimplyMEPIS
Kurumin
DSL-N
Damn Small Linux
Shabdix
Bloknoppix
Symphony OS
KNOPPIX
Whoppix
WHAX
Backtrack
Kanotix
Auditor Security Linux
Parsix
KnoppMyth
Morphix
ZoneCD
LinEx
Progeny
Corel
Xandros
SmoothWall GPL
SmoothWall Express
IPCop
EnGarde
BluePoint
Yoper
Pardus
Puppy
Beehive
Kate Linux
KateOS
Source Mage
Sorcerer
Lunar
Ututo
Trans-Ameritech
Monkey
MINI
Linux Universe
Bogus
Yggdrasil
DILINUX
DOSLINUX
TAMU
Craftworks
MCC Interim
SLS
Xdenu
RR4
Sabayon
BinToo
Enoch
Gentoo
Kororaa
Stampede
VidaLinux
Vector
Gnu-HALO
SLAX
EvilEntity
AUSTRUMI
Minislack
Zenwalk
Voltalinux
Sauver
Bluewhite64
How-Tux
NimbleX
Slackware
Frugalware
DARKSTAR
DeLi
Caixa Mágica
SUSE
Sun JDS
openSUSE
S.u.S.E.
SuSE
Jurix
Astaro
eIT easyLinux
CRUX
Arch
Rock Linux
Linux From Scratch
DLD / Delix
LST
GoboLinux
dyne:bolic
Ark
Linux-FT
Caldera
SCO
Redmond
Lycoris
Conectiva
Mandrake
OpenSLS
Annvix
Mandriva
blackPanther
PCLinuxOS
ALT Linux
Virtual
SME Server
e-smith
Kondara
Immunix
Trustix
ELX
SuperRescue
United Linux
CentOS
Scientific
White Box
HP Secure
LinuxInstall
Red Hat
WGS Linux Pro
Specifix
rPath
Oz
Foresight
StartCom
BioBrew
Tao
Momonga
FoX
Fedora Core
Fedora
Ekaaty
AsianLinux
ATmission
Berry
BU Linux
AnNyung
BLAG
Aurox
Bayanihan
Aurora
Miracle
Happy
Asianux
Eridani
Red Flag
eLinux
Peanut
Armed
Yellow Dog
Eurielec
Turbolinux
PLD
LinuxPPC

1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007

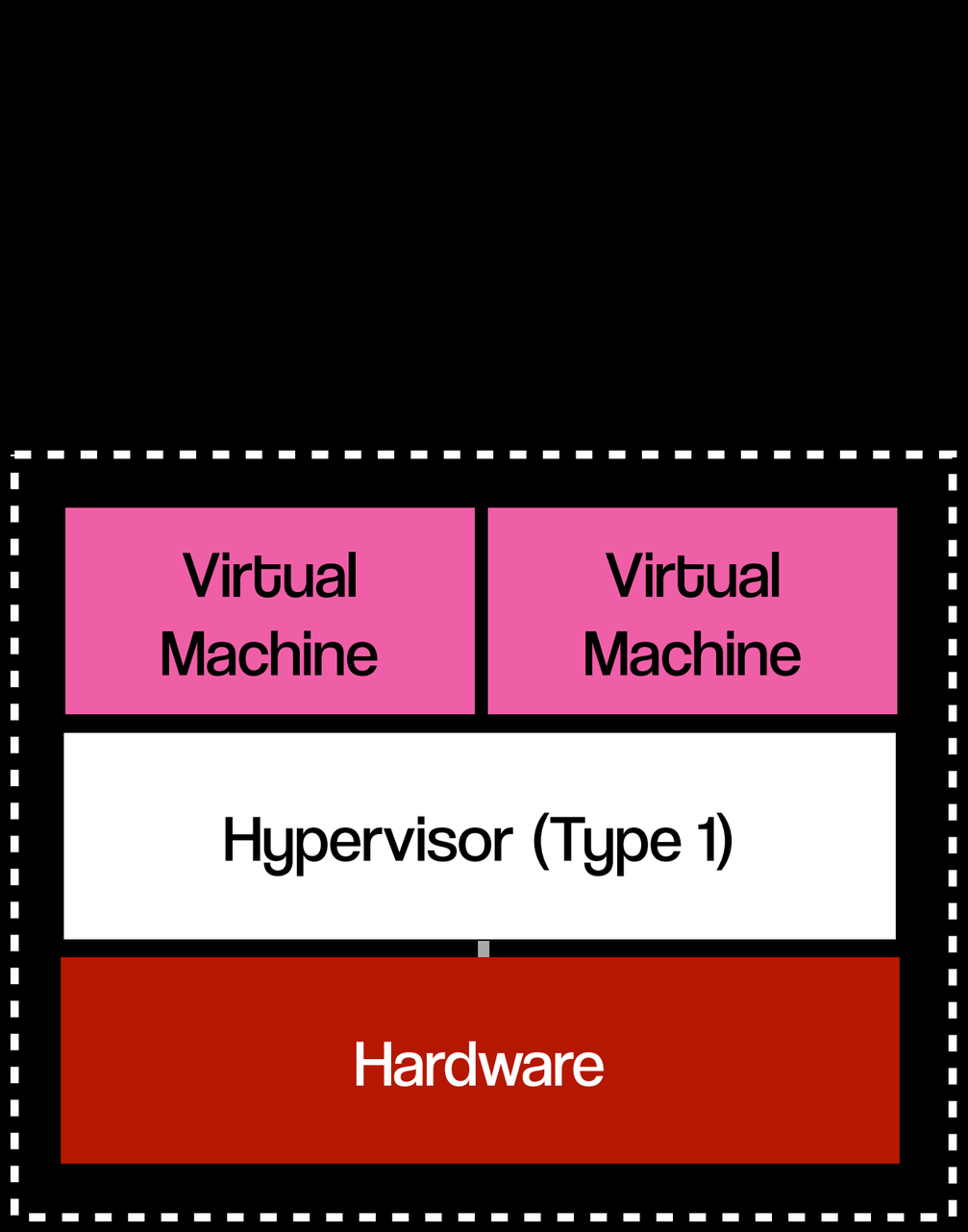
Why Linux is used for servers ?

Virtual Machines (VMs)

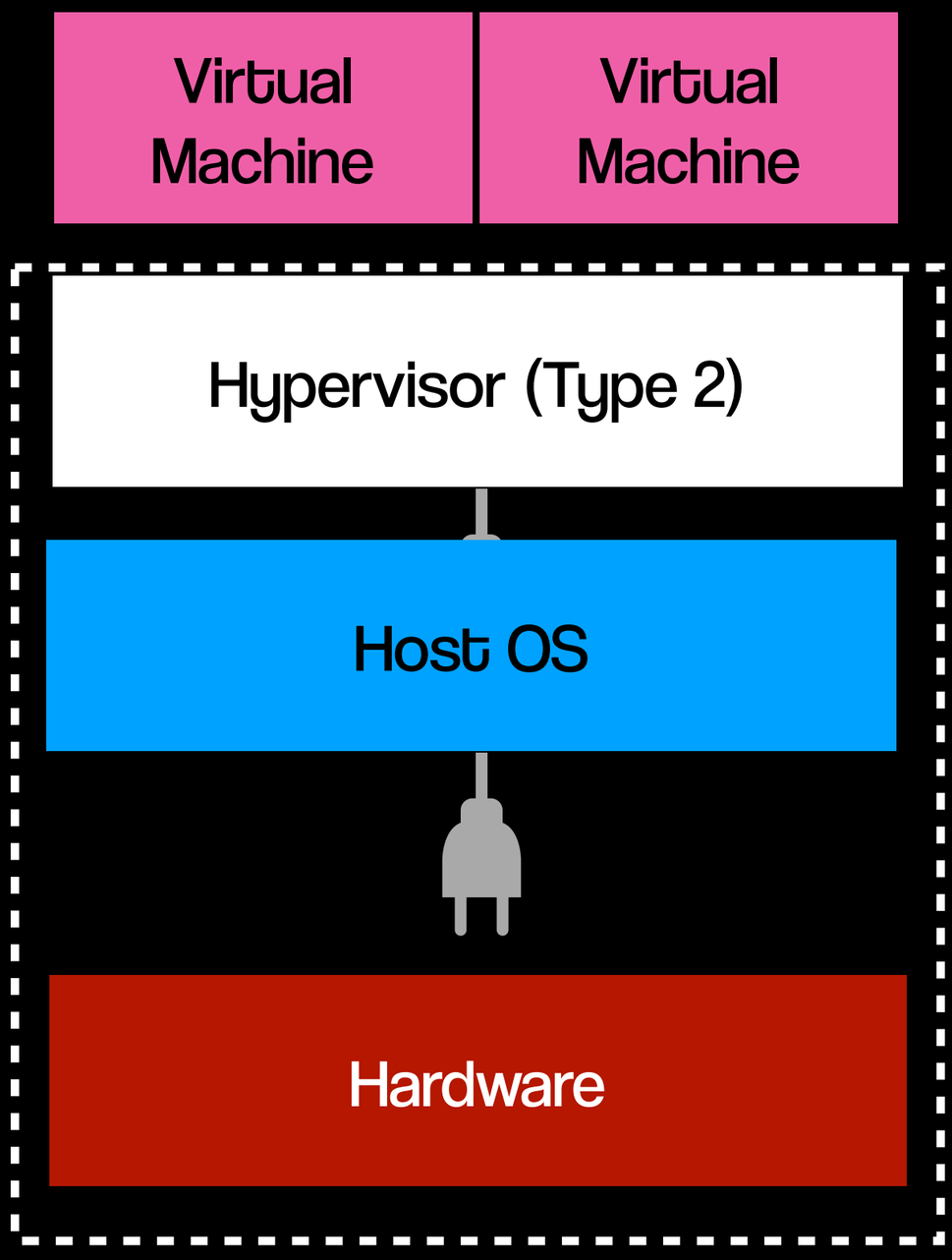
Hypervisor



Virtualization Type 1



Virtualization Type 1



Virtualization Type 2

Let’s spin a VM?

Thank you