

Linux, virtuelle maskiner, cli

Sverre Stikbakke

Dagens tema

- Applikasjonsprogrammering i C under Unix
 - (en kurstittel)
- Virtuelle maskiner og containere
- Kommando-linje-verktøy
- Gjesteforelesning – NTNU drift
- Gjesteforelesning – Kartverket – IT-drift
- Gjesteforelesning – Kartverket - tjenestedrift

Applikasjonsprogrammering i C under Unix

- 1990-91
- Pre Windows
- Filsystem, rettigheter
- Kommando-linjeverktøy: Unix-filosofien

cat

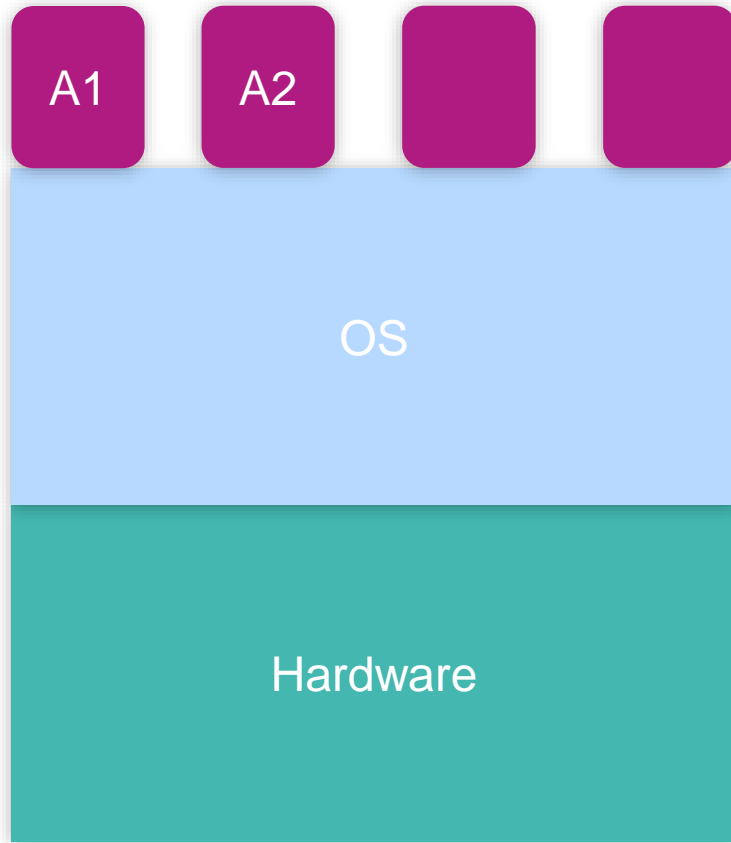
more

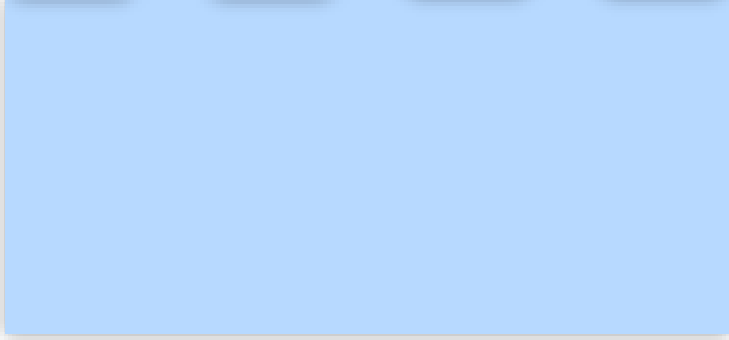
cut

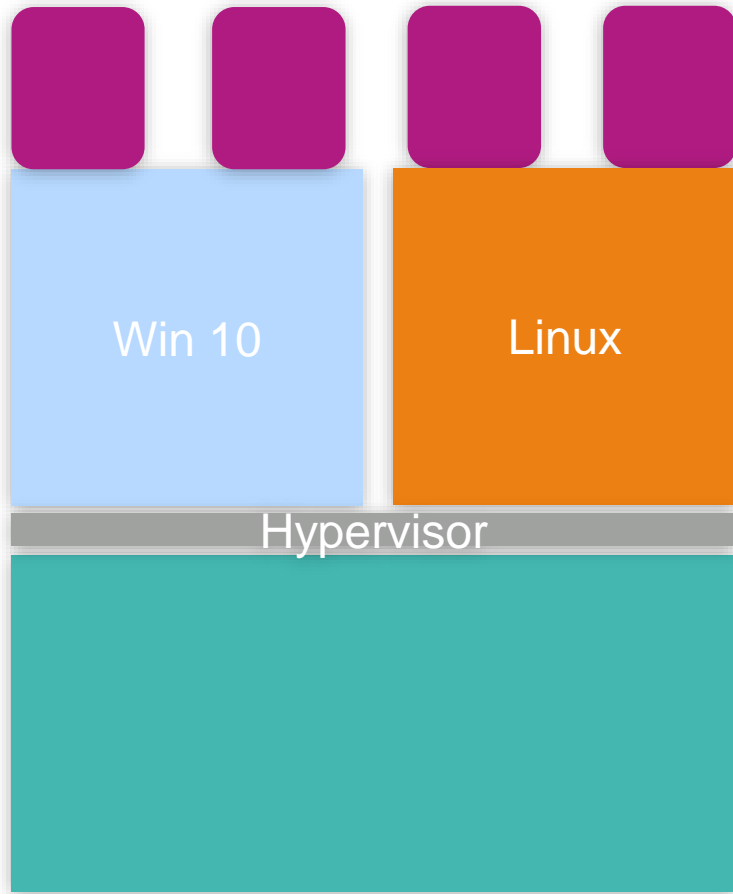
grep

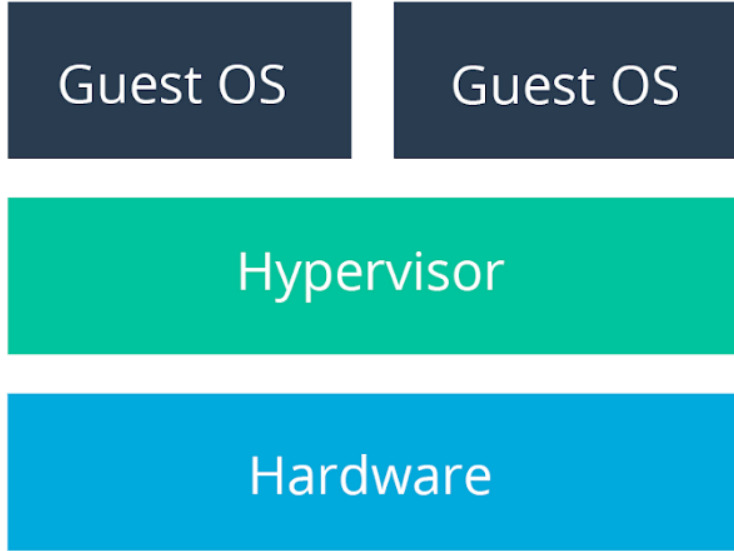
Linux

- Linus Torvalds
- «Unix» for IBM-kompatible PC'er
- Cygwin
- Virtualbox
- Dual boot
- FreeBSD (mac OS)
- GIT Bash

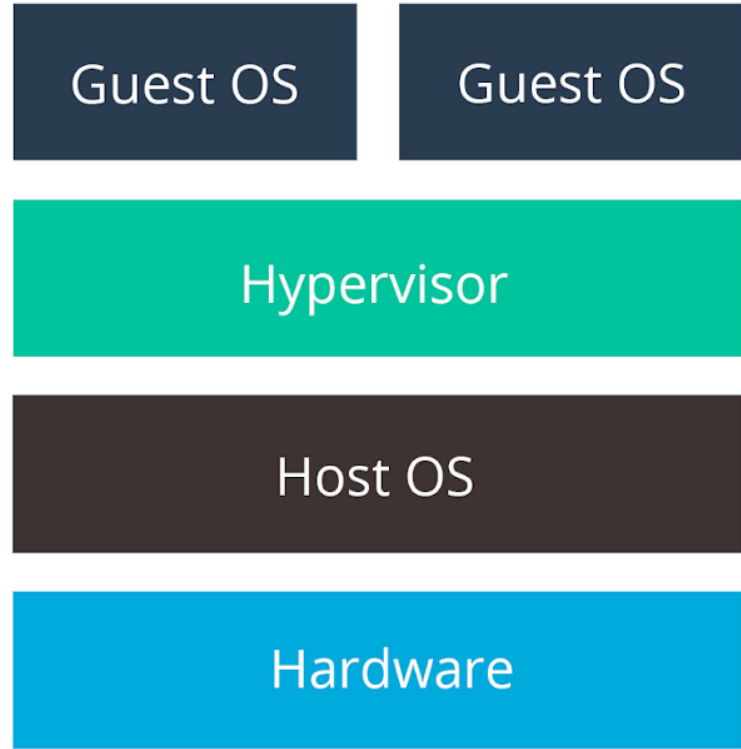








TYPE 1 HYPERVISOR



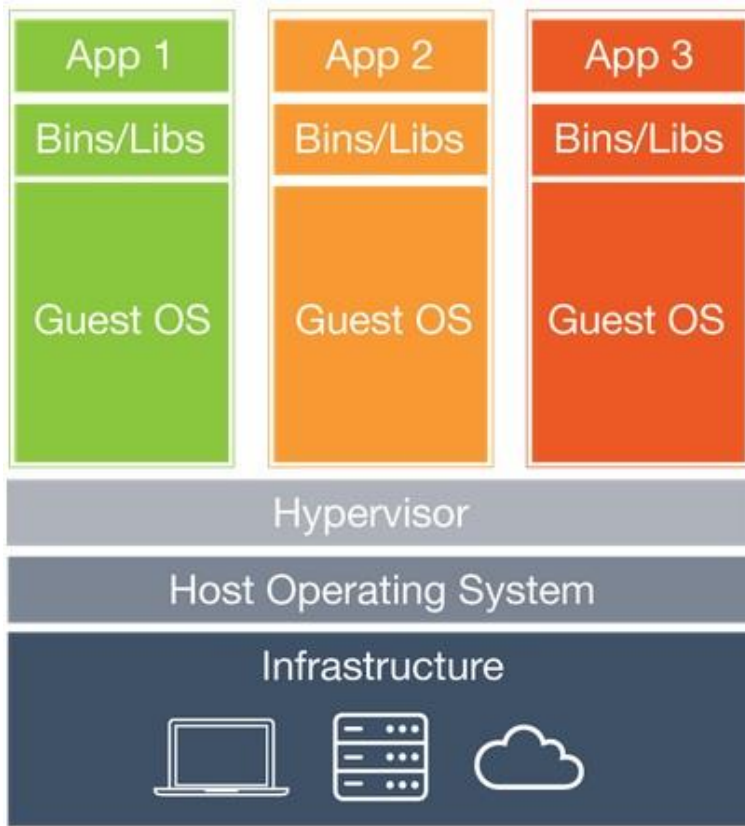
TYPE 2 HYPERVISOR

Eksempler

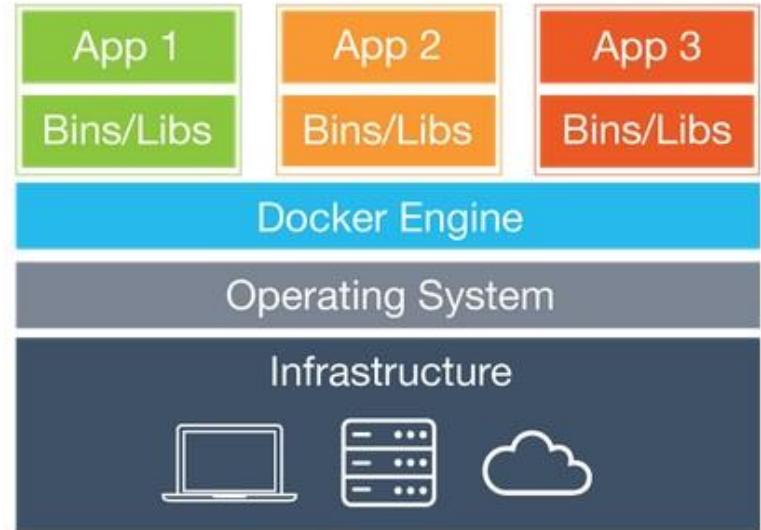
- Type 1: Windows WSL2
 - Windows Subsystem for Linux v. 2
 - [Installation Guide](#)
- Type 2: Virtualbox
 - <https://www.virtualbox.org/>

Kommandolinje - CLI

- Command Line Interface (shell)
 - MS cmd
 - BASH (bourne again shell)
- Les mer her:
 - Ryan's Tutorials: <https://ryanstutorials.net/>
- GIT BASH
 - GIT er et versjonshåndteringssystem. Det er anbefalt her fordi BASH følger med.
 - <https://git-scm.com/>



Virtual Machines



Containers