Computer Science CSCI 251

Systems and Networks

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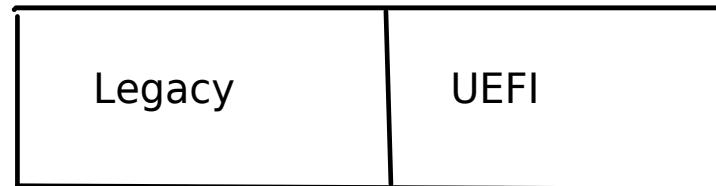*Vancouver Island University*

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Recap

◯ Virtualization (Process)
  - OS: Three Easy Pieces: chapters 1-6

◯ Persistence
  - OS: Three Easy Pieces: chapters 36-37, 39-40

  - file system management tools
    e.g., *fdisk, cfdisk, mkfs, debugfs, mount*

What Next?

○ The Boot Process
- legacy BIOS
- UEFI

○ The Boot Loader
- legacy GRUB
- GRUB2

○ Bootstrap User Space (init scheme)
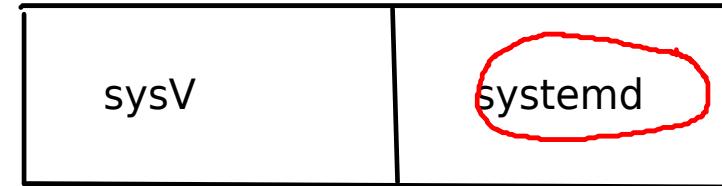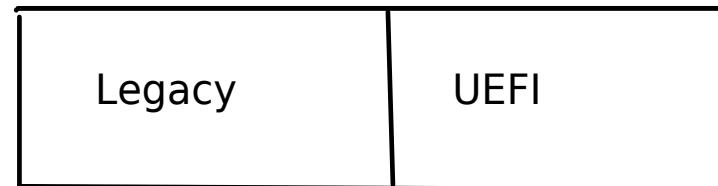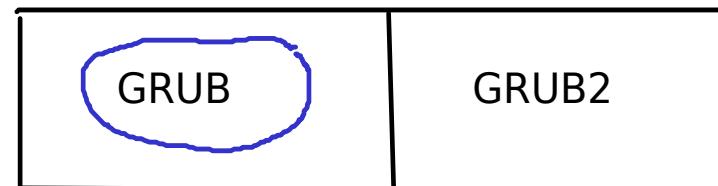- sysV
- systemd

Xubuntu

Bios:

Legacy	UEFI

Bootloader:

GRUB	GRUB2

Init:

sysV	systemd

Tiny Core

Bios:

Legacy	UEFI

Bootloader:

GRUB	GRUB2

Init:

sysV	systemd

antiX

Bios:

Legacy	UEFI

Bootloader:

GRUB	GRUB2

Init:

sysV	systemd
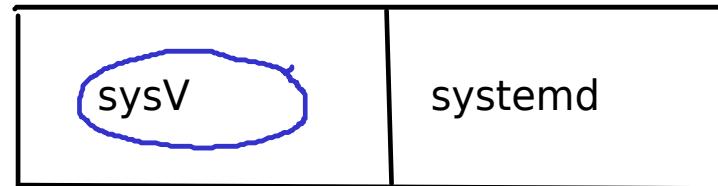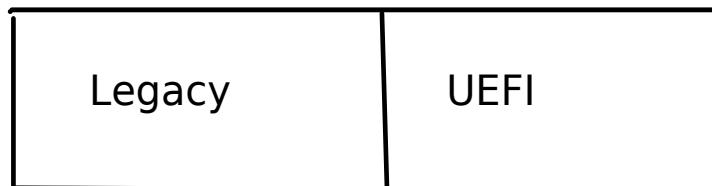
antiX Linux Distribution

○ Overview
- built on debian stable
- lightweight (32 bit and 64 bit support)

○ Review (DistroWatch)
- `https://distrowatch.com/table.php?distribution=antix`

○ Alternatives (from Wikipedia)
- `https://en.wikipedia.org/wiki/Light-weight_Linux_distribution`

○ Download
- `https://antixlinux.com/download/`
  `antiX-19.3_x64-full.iso` from UBC mirror