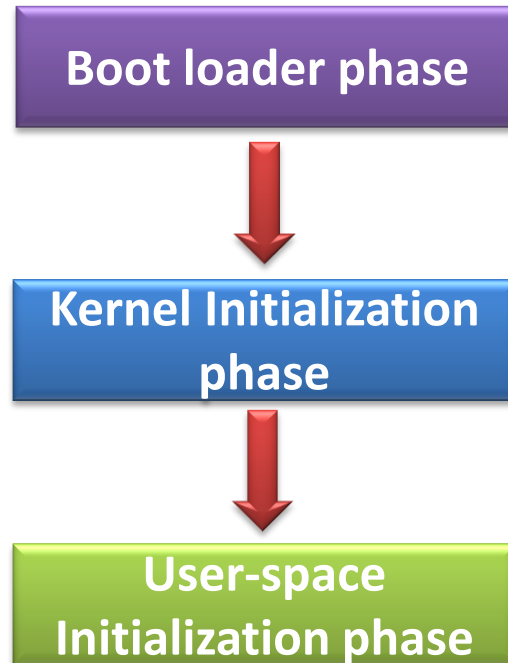


Linux Booting Sequence

Linux Startup Sequence



Boot Loader Phase

- ✓ Configure the CPU speed
- ✓ Memory Initialization (setting up registers, clearing memory, determine the size of the onboard memory)
- ✓ Turning on the caches
- ✓ Setting up the serial port for the boot console
- ✓ The POST
- ✓ Downloading Kernel Image and Initial Ram disk
- ✓ Setting Up Arguments
- ✓ Jumping to Kernel Entry Point

Kernel Start-Up

- ✓ CPU/Platform-Specific Initialization
 - ✓ Initialization of exceptions
 - ✓ Initialization of interrupts handling procedures
 - ✓ Initialization of timers
 - ✓ Initialization of console
- ✓ Subsystem Initialization
 - ✓ Scheduler Initialization
 - ✓ Memory manager Initialization
 - ✓ VFS Initialization
- ✓ Driver Initialization
- ✓ Mounting Root File System
- ✓ Doing Initcall and freeing Initial memory