

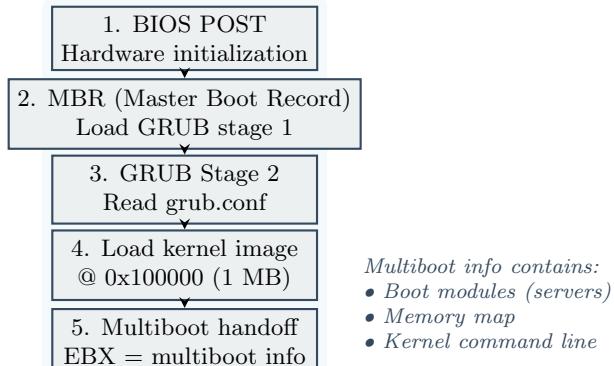
MINIX 3.4.0 Complete Boot Sequence

From GRUB Bootloader to Userspace Execution

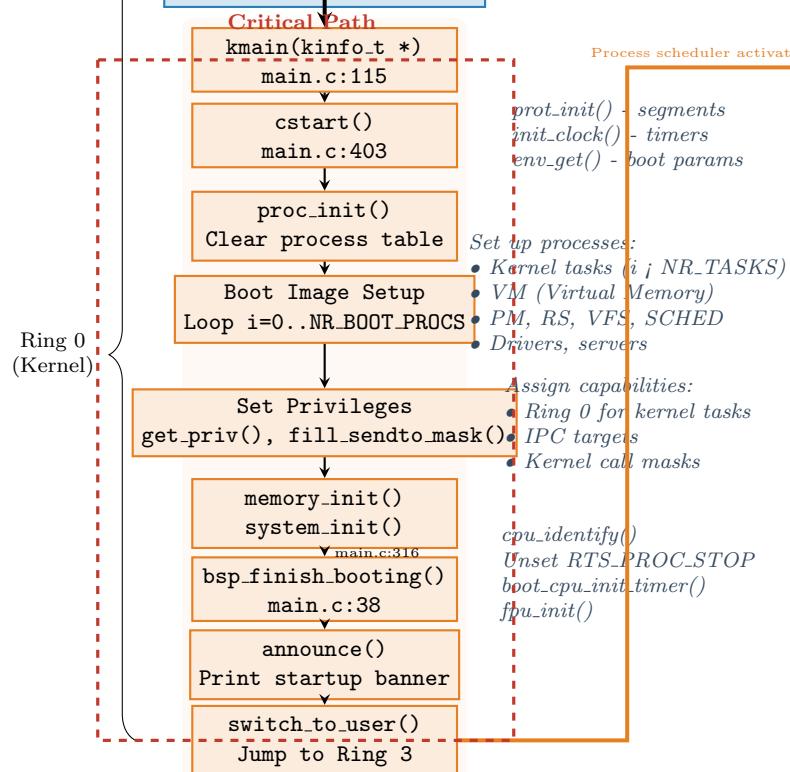
Source files:

kernel/main.c:115-328 (kmain), pm/main.c:50 (PM), rs/main.c:38 (RS)

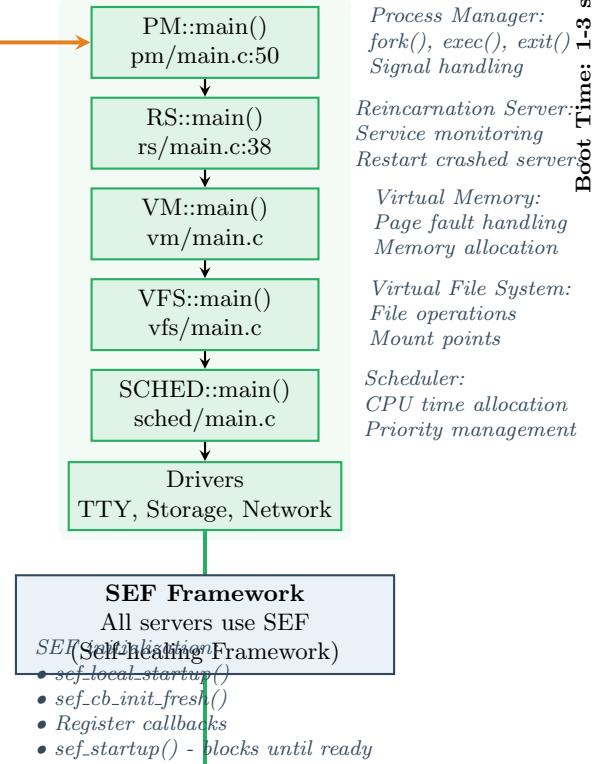
PHASE 1: Bootloader



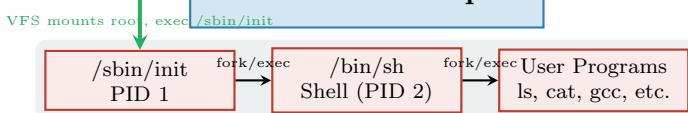
PHASE 2: kmain()



PHASE 3: Servers (Ring 3)



PHASE 4: Userspace



Ring 3
(User)

Boot Time: 1-3 seconds