When Linux boots up, **the kernel loads first**, but **who controls the services like networking, firewall, and SSH?**

- This is handled by **Init Systems**.

What is an Init System?

- The **Init System** is the **first process (PID 1)** that runs after the **Linux kernel boots up**.
- It **manages all background services and processes**.

Two Major Init Systems in Linux:

Init System	Used In
System V Init (sysvinit)	Older Linux Distros
Systemd (System Daemon)	Modern Linux Distros (like Kali, Ubuntu)

What is Systemd (Modern Init System)?

- **Default Init System in Kali Linux, Ubuntu, and most Linux distros.**
- Uses **parallel processing (fast booting)**.
- Uses **"Units" instead of runlevels**.

Where is the Init System Located?

```
ls /sbin/init
```