Mobile Phone Security

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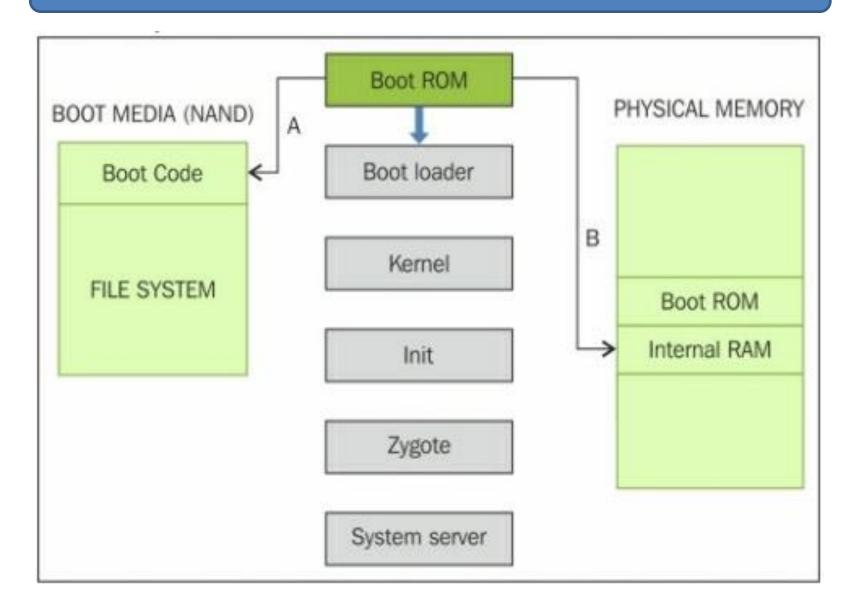
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Practical related

to

Android Start-up Process with ADB

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✓The sequence of steps involved in Android boot process is as follows:

✓1. Boot ROM code execution

✓2. The boot loader

✓3. The Linux kernel

✓4. The init process

✓5. Zygote and Dalvik

✓6. The system server

1. The init is the very first process that starts and is the root process of all other processes - (init.rc).

2. The init process will parse the init.rc script and launch the system service processes.

3. At this stage, you will see the Android logo on the device screen.

- ✓ Zygote is one of the first init processes created after the device boots.

- ✓ It initializes the Dalvik virtual machine and tries to create multiple instances to support each android process.

- ✓ Zygote facilitates using a shared code across the VM, thus helping to save the memory and reduce the burden on the system.

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