



Advanced Operating system ECE 519

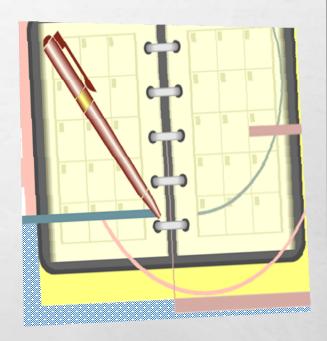
Android Marshmallow 6.0 Memory Management

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OUTLINE

What is Memory Management unit? What is the Task of MMU What are MMU Techniques How does MMU manage the Apps? What is android.? What is Marshmallow 6.0?





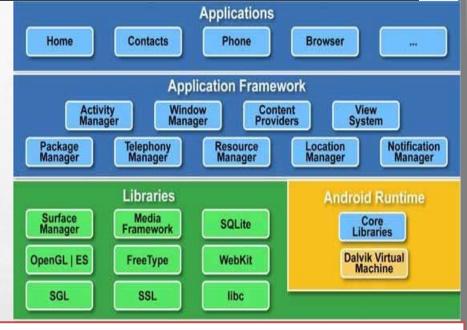
MMU: Memory Management Unit

Introduction To Android



Android: is mobile platform consists

- 1-Opearting System
- 2-Middleware
- 3- Key application



Operating System (Linux Kernel)

Memory Management

Resource Drivers
Management Management

Power Management

Hardware

Overview of Marshmallow 6.0



Marshmallow 6.0: is the sixth version of the Android operating system with codenamed M

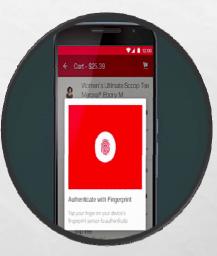
These are some of the advances made in Marshmallow 6



Mobile Payment



App Permission



Fingerprint Support

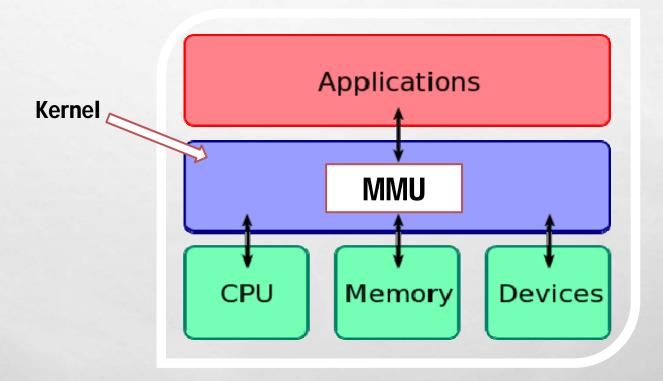


Power & Charging

Memory Management Unit



Memory management unit: is the process of controlling and coordinating the Android memory.



Task of Memory Management Unit



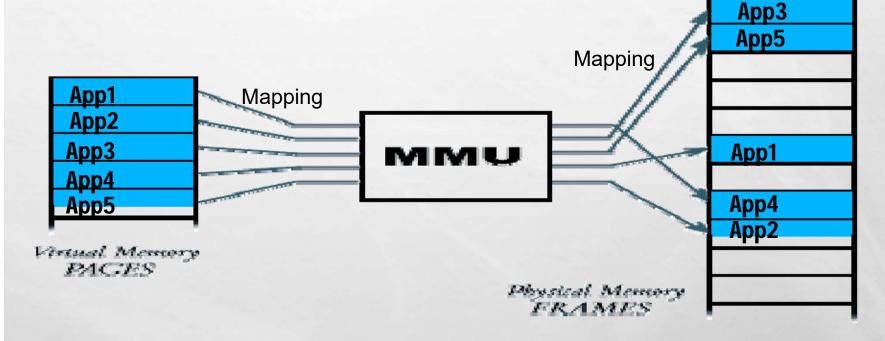
There are five tasks



Memory Management unit Techniques



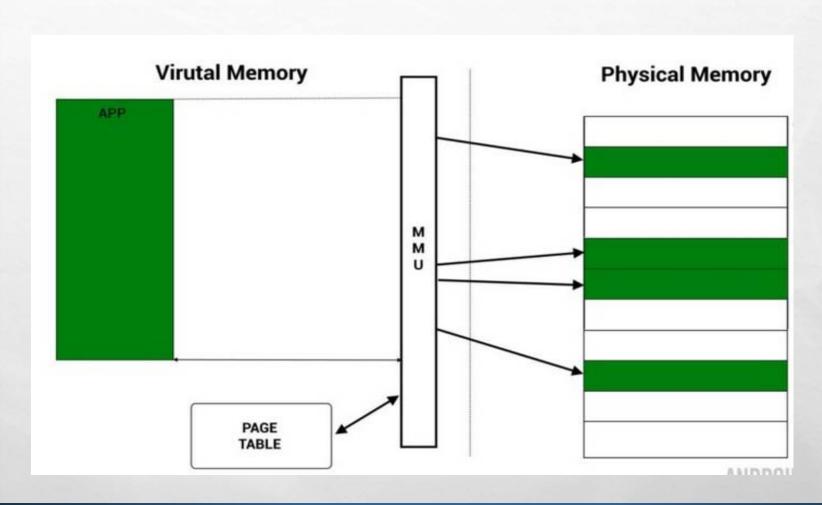
- Virtual memory
- Mapping
- Paging



MMU: Memory Management Unit

HOW the MMU manages the Apps





References



- > https://stackoverflow.com/questions/2298208/how-to-discover-memoryusage-of-my-application-in-android
- http://elinux.org/Android_Memory_Usage
- > https://www.youtube.com/watch?v=_CruQY55HOk
- https://lwn.net/Articles/480055/
- https://lwn.net/Articles/565469/

Thank you Have a Peaceful Night