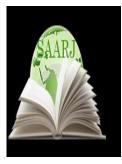
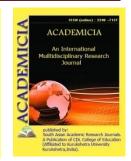


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DOI: 10.5958/2249-7137.2021.02115.7 AN OVERVIEW OF ANDROID OPERATING SYSTEM

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ABSTRACT

The Android operating system is essentially a mobile operating system that is quickly gaining market share, with dozens of smart phones and tablets now available or soon to be available. It's a mobile operating system based on a modified version of the Linux kernel version 2.6. The Open Phone Alliance, a collection of more than 30 mobile and technology firms aiming to open up the mobile handset ecosystem, created Android. Because the Android developer kit supports many of the standard packages used by Jetty, as well as Jetty's modularity and small footprint, it was feasible to convert Jetty to it and make it operate on the Android platform. These days, the Android operating system is one of the most frequently utilized. The kernel, libraries, application framework, and apps are the four major layers of the Android Operating System. Its kernel is Linux-based. The Linux kernel is responsible for fundamental system functions including virtual memory, networking, drivers, and power management. Different aspects of Android OS architecture, as well as security features, are addressed in this article.

KEYWORDS: Android, Framework, Linux, Operating System, Sandbox.

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