**ABSTRACT**

In the worlds present scenario, over 2 billion people uses android devices widely. Android devices has taken over the market over the years due to its open architecture and ease of use, which makes them more vulnerable to malware and security attacks. To perform these attacks, tools such as Msfvenom has already been implemented. In this paper we demonstrate the integration of Zip align and Ngrok into msfvenom under the metasploit frame work.

**INTRODUCTION**

Android is an operating system which is based on linux kernel.It is mainly designed for touchscreen devices like smartphones and tablets. Android system support wide range of applications which are more suitable and comfortable for the users. Android hacking is aprocess to hack mobile phones which focus mainly on accessing telephone calls, voice messages and text messages.This paper demonstrates android hacking using msfvenom combined with Ngrok and Zip align which comes under Metasploit framework. Msfvenom is the main backdoor interface which is present on the victim’s device. Ngrok is a multiplatform tunneling method, which is used to attack android devices on wide area network (WAN). The tool, Zip align, is used to inject msfevnom to the local apps.The metaspliot framework is used to check the security vulnerabilities. Using the above mentioned tools we can successfully hack an android application. To the end of the paper we discuss how to detect and prevent these kind of attacks.