

# KYGnUS

**LoA**

Linux on Android

**AMD**

**Android Malware Detect**

## Short Introduction

This project is a part of the LoA project. The LoA project is based on simulating and working with GNU Linux on the Android shell, in which tools and methods have been tried to provide a development system for desktop developers, as well as to inform ordinary users about the Android system and tools and The work that can be done in the usual way has been started.

In this regard, we are trying to use tools to optimize and improve the performance and performance of your system and files in Android.

The first phase is the AMD project, whose task is to detect corrupted files on your storage system using powerful Linux tools.

Statements developed to scan your system or posted on Android include:

## 1 - clamAV



**ClamAV** is a free and open-source antivirus software and a cross-platform antivirus toolkit. Its primary purpose is to detect various kinds of malicious software, i.e. viruses, worms, trojans, rootkits, and many other forms of possible threats to your system.

The ClamAV antivirus provides a command-line interface for scanning your filesystem (files and directories) and also includes numerous tools for email filtering, automatic signature updates, and other functions. A lot of applications use ClamAV, mostly Internet gateways and mail servers, as a safety measure for scanning incoming communications and stopping malware distribution.

## 2 - Yara

YARA rules are malware detection patterns that are fully customizable to identify targeted attacks and security threats specific to your environment.

For More Information : <https://github.com/Yara-Rules/rules>

## 3 - AMD

### **KYGnus AMD with ADB (Android Debug Bridge)**

connect, Debug & Scan Android Devices for Malicious Activity

For More Information : <https://github.com/KooshaYeganeh/AMD>

This security system uses 3 separate engines to scan your files. The first engine is clamAV, which is one of the most powerful antivirus available and is widely installed on Linux servers.

The second engine is Yara, which security specialists use to check and categorize viruses.

The third engine is the engine developed by KYGnus, which is similar to the Linux scan engine, and it carefully checks the files and abnormal activities of your system.

You don't need any special skills to install this scanner.

## Install

Just install Termax on your Android device and copy this command and run it on your device.

```
pkg update && pkg upgrade
```

```
pkg install wget -y
```

```
wget  
file:///home/koosha/Documents/KooshaYeganeh.github.io/Files/loa.  
zip && unzip loa.zip && cd loa && ./install
```

## The most important Advantages of use for Users

- 1- You have an enterprise antivirus on your mobile.
- 2- Due to the use of open source systems, antivirus bugs will always be fixed as quickly as possible.
- 3- This antivirus has the ability to personalize. If needed, the software can be customized based on the needs of the organization or the individual.
- 4- The fact that the antivirus has three engines assures users that it has the ability to provide maximum data security.

**5- In the third developed engine, the software uses several methods to check the files.**

**6- In this antivirus, it is possible for any person or organization to develop their own database or change the existing database based on their files.**

**For example, you don't want a file called App.apk. in your device. It is enough for you to calculate sha256sum files or md5sum files and place them in the database. From now on, this file will be malicious for your system.**