Avira

ANTI-MALWARE SDK

FOR ANDROID

The Avira Anti-malware SDK for Android (MAVAPI), delivers some of the industry's best protection against malware on mobile devices.

Based on the proven Avira scan engine, the anti-malware SDK delivers seamless integration with Android platforms.

The Anti-malware SDK for Android enables software and platform developers to add security and value to their applications and devices by providing a lightweight, high-performance engine that can scan for malware in many types of file – in real time. A key advantage of the software is its minimal impact on processor performance, device memory, and battery life.

The anti-malware SDK is of particular benefit to mobile security solutions, mobile threat management, and enterprise mobile management developers as well as anyone looking to meet data security and compliance standards.

APPLICATIONS

Android platforms often require enhanced security, and developers of custom Android-based OS can find it

challenging to build an effective security solution. The anti-malware SDK adds value to the OS, protecting users and devices from malware.
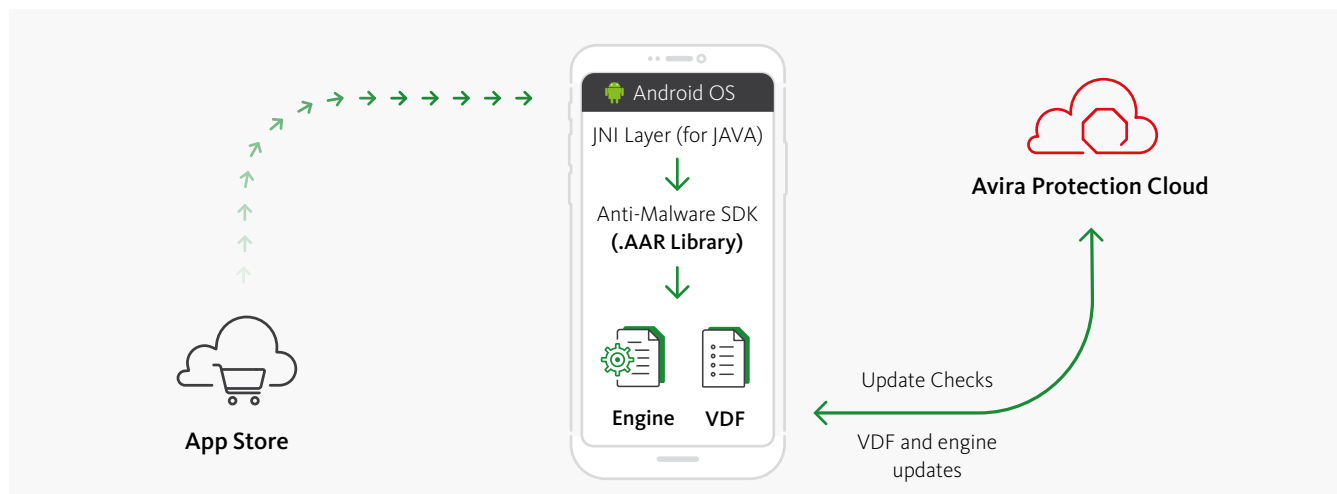
Service providers can integrate security into their Android devices with the Avira Anti-malware SDK. This can benefit the brand, and can help protect customers against cyberthreats and vulnerabilities on Android OS.

Hardware manufacturers can use the Avira Anti-malware SDK to add security to the operating system and help secure the platform – a key differentiator in a competitive market.

Key Features:

— Designed for high performance, reliability, and low resource usage

— Available as an Android library (.AAR module)

— Multi-threading, multi-processing ready

— Flexible licensing mechanism

— Own updater with HTTPS Support

ANTI-MALWARE SDK

App Store

Android OS
JNI Layer (for JAVA)
Anti-Malware SDK
(.AAR Library)
Engine   VDF

Avira Protection Cloud

Update Checks

VDF and engine updates

Avira

INTEGRATION

The Anti-malware SDK has been designed to deliver high-quality anti-malware scanning with a light system footprint. It features a Kotlin/Native interface and a Java Native Interface (JNI) for access to the full functionality of the Avira scan engine.

Technology partners receive a library that allows the integrator to initialize the scan engine, configure its options, and scan files. The functionality is available through a JAVA API over a native C language implementation for high performance. The application using the Anti-malware SDK library either loads the library at runtime or links with the library at compile time. The library API is then called to perform initialization, configuration, scanning, etc.

SPECIFICATIONS

Size:
1.12MB .AAR redistributable module

Supported OS / Hardware:
Android 4.4 (API level 19) and ARMv5TE

Container and Archive Support:
APK/ZIP, RAR, TAR, GZIP, DEX

Malware types:
Android
Adware
PUA
SPR (Security Privacy Risk)

SDK Content:
MAVAPI Library
MAVAPI Header Files
MAVUPDATE (Avira Updater Library)
Comprehensive Documentation
and SDK usage examples
API Description
Illustrative programming examples

APJ & EMEA

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