

Sophos Android Antivirus SDK

Integrate the Sophos anti-malware engine for Android into your solutions

The Sophos Android Antivirus SDK allows Application Developers, MDM vendors, IT Security Vendors, Telcos and Mobile carriers to integrate the Sophos' antimalware engine for Android into their own Mobile Applications and Solutions—simply and easily. The toolkit allows our partners to provide their customers the best level of protection on Android devices against malicious applications and other mobile threats.

Partner Benefits

Ease of integration

- Simple and flexible development options
- Dedicated OEM in-house expertise

Best Protection through SophosLabs

- Protect your customers against Android threats with on device and cloud-based signature data

Market differentiation

- Providing your customers your own branded mobile threat protection gives you marketplace advantage

Flexibility

- Licensing options can be tailored to match your business model

Low impact on users

- Optimized anti-malware engine for the Android platform

A growing target for malware

As the largest installed base of any mobile platform, Android currently powers hundreds of millions of mobile devices around the world. And every day another million users power up their Android devices for the first time and start looking for apps, games and other digital content.

The ever increasing popularity of Android is driving more and more virus writers to focus on this platform. SophosLabs, our global network of threat analysis centers, discovers more than 2500 new Android malware samples every day.

Employees continue to use their personal devices to view confidential data such as customer information, nonpublic financial data, intellectual property and corporate strategy.

The adoption of online transaction applications on mobile devices is rapidly growing. Customers are installing more of these applications, enabling them to make online banking transactions, credit card purchases and other financial transactions.

The risks of malware infection, data leakage, identify theft and damage to companies' reputation have never been this high. To reduce and mitigate those risks, it is critical to ensure that your mobile applications are running in malware free environments.

Fully loaded SDK

The Sophos Android Antivirus SDK has been designed to help partners integrate the Sophos' anti-malware engine for Android into their solution. It uses a Java Native Interface to access the full functionality of the Sophos Anti-Malware Engine (**Figure 1**).

Sophos provides partners with the necessary tools, documentation and technical support to complete the integration, including:

- The native Sophos anti-malware Engine's library
- The Sophos Android JAVA library (JAR)
- A library wrapper
- An updating tool for signature and engine updates
- A demo application with instructions on how to build it
- An integration guide that includes details of the java classes and interfaces available

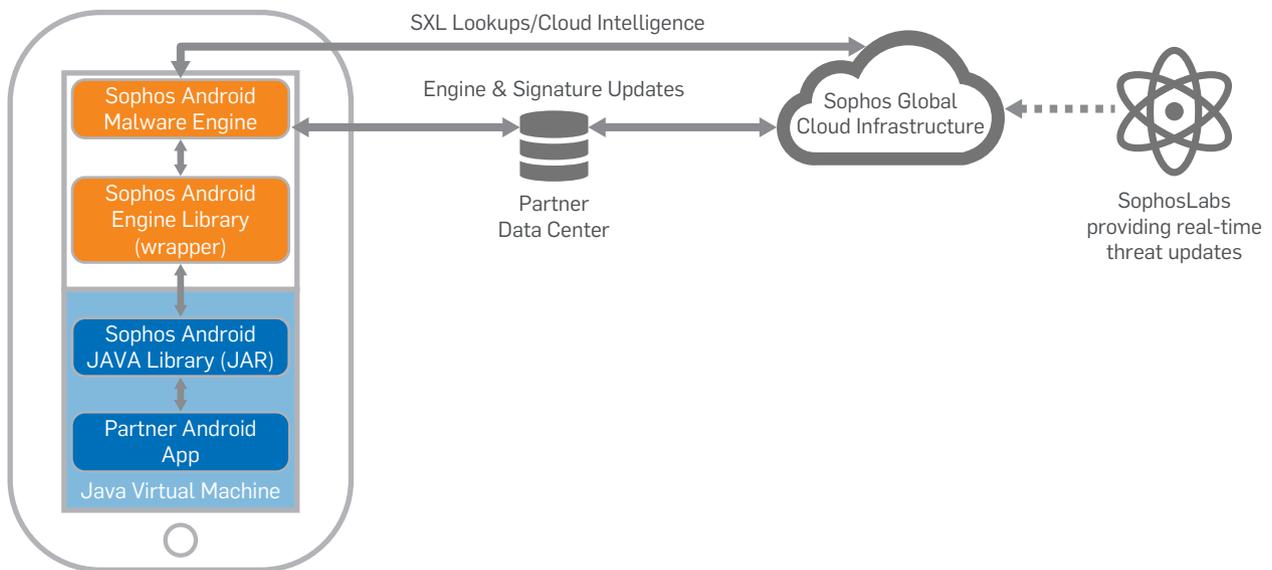


Fig 1. Designing your own Android Security Application with the Sophos SDK for Android

Partners are responsible for developing the user interface (UI), thus giving full control over branding.

The Sophos anti-malware engine for Android

The Sophos anti-malware engine for Android is accessible via the Sophos SDK for Android. The engine provides industry-leading protection against Android threats by leveraging SophosLabs. It's optimized for Android devices and uses very little memory and bandwidth, while maintaining minimal impact on battery life.

The Sophos anti-malware engine for Android can perform malware analysis of local data and applications either off-line or on-line. It can also use live cloud intelligence from SophosLabs and other detection sources to improve the threat response, reduce false positives and provide more accurate threat detection.

You can set different malware scanning options to check currently installed or newly installed applications, device memory, mass storage devices such as SD cards and archived data. All of those options are easily accessible via the Partner's application and the Sophos Android Java library.

To prevent slowing down devices or impacting end-user productivity, immediate and scheduled scans can be performed while the device is in idle mode.

Who should be looking at the Sophos Android Antivirus SDK?

- ▶ Enterprise Mobile Management vendors looking to integrate a mobile threat management component into their solution
- ▶ Telcos, mobile carriers and smartphone manufacturers willing to provide pre-loaded premium commercial mobile threat management solutions featuring their own brand
- ▶ Financial services and software developers whose mobile applications need to comply with data security standards (PCI-DSS, PA-DSS etc...)

Supported development environments

- ▶ **Android SDK plugin:** 23.0.2 or later (should be downloaded by Eclipse's Android SDK Manager)
- ▶ **JSE:** 7 - Oracle: Version 7 Update 67 (on Windows) or OpenJDK:1.7.0_65 (on linux) or later
- ▶ **Android target:** 4.0.3 - API15 or later is supported
- ▶ **Savijni-android (wrapper):** Sophos Android Engine library 3.57.3 or later

Supported platforms

- ▶ Android 4.0 and above

For more information

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