

Antimalware Technologies

“Setting the standard for protection, accuracy and easy integration”

Financial gain is driving malware growth exponentially and malware sophistication with over 390,000 new malware variants discovered every day. Fast-changing technologies and heterogeneous environments only exacerbate vulnerabilities, as they open up additional weak links that malware actors seek to exploit.

Threats are designed to be stealthy, to go undetected for as long as they can. Malware actors seek to use all vectors at their disposal: exploits, virus, Trojans, hacks, phishing attacks and in many cases a combination to be as effective as possible and stay off the radar. These multiple vectors and persistent attacks are driving industry demand for layered protection solutions.

Bitdefender Antimalware SDK

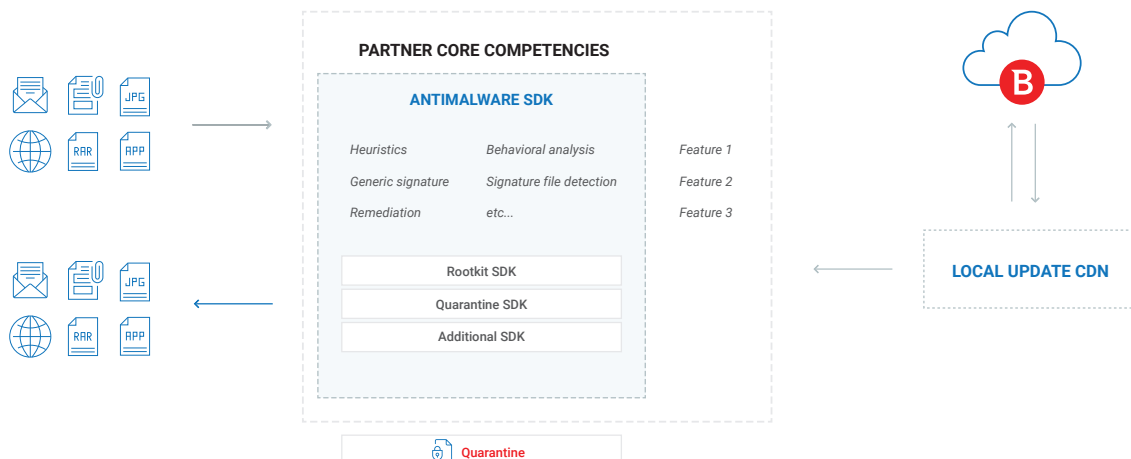
Bitdefender's Antimalware SDK offers multi-layered, industry-leading protection technologies that can be integrated into your solution as a value add. It can justify additional premium from existing customers using legacy solutions and can address new business opportunities leveraging market demand for protection suites.

Bitdefender's Antimalware SDK can be easily implemented at the endpoint, network, perimeter, gateway and on cloud-based platforms. The Antimalware SDK can be complemented by a wide range of Bitdefender security technologies to harden security, protect against additional threat vectors, and respond to additional market demand.

Multiple technologies

The Antimalware SDK implements multiple technologies and detection methods to ensure industry-leading detection accuracy and performance for known and unknown threats that leverage zero-day scenarios.

- Heuristic analysis: provides proactive protection against polymorphic malware; utilizes on-access, process emulation to identify unknown malware; process emulation is run on a simulated local sandbox
- Behavioral analysis: ensures proactive detection of zero-day threats based on continuous process monitoring in real time through the entire lifetime of the process
- Generic detection: discovers all (including currently unknown) samples of a known malware family
- Signature-based detection detects all known malware samples



What is the right Antimalware SDK for your needs?

Choosing the right Antimalware SDK is critical in getting the best business fit for the opportunity but also a solution that best suits your development team and architecture.

| | Endpoint | Gateway | Appliance | Android |
|------------------------|----------|----------|-----------|----------|
| High Level | Best fit | N/A | N/A | N/A |
| Core | Fit | Fit | Fit | N/A |
| Client Server | N/A | Best fit | Best fit | N/A |
| Quick Scan | Best fit | N/A | N/A | N/A |
| Android Online/Offline | N/A | N/A | N/A | Best fit |
| Enhance Protection | Best fit | Fit | Fit | N/A |

Core Antimalware SDK

- Use case: can be integrated on endpoints, network appliances solutions, gateways and or cloud services
- Interface: C and C++ interface bindings; allows integration via the shared library (Windows/Unix) or COM interface (Windows only)
- Supports: multiple platforms (ARM, MIPS, X86, PowerPC) and OSES (Windows, MAC and Linux) from the same API; native 32-bit and 64-bit platform support

High Level Antimalware SDK

- Use case: typically implemented on endpoint security solutions
- Interface: C and C++ interface bindings; allows integration via the shared library (Windows/Unix) or COM interface (Windows only)
- Supports: x86/x86_64 architecture; multiple operating systems (Windows, MAC, Linux); native 32-bit/64-bit platform support

Client/Server Antimalware SDK

- Use case: gateway traffic, firewall / UTM, Web / email
- Provides: antimalware, sandbox, URL reputation and antispyware protection
- Interface: both protocol level and C/C++ language bindings; allows integration via shared library
- Supports: ICAP protocol and built-in text-based protocol

Antimalware SDK for Android

- Use case: Android devices
- Interface: Java language API
- Supports: Android operating system 2.2 and higher; native support for ARM platform

Advanced Threat Control SDK

- Use case: Windows endpoints
- Provides: protection against zero-day exploits and advanced persistent threats (APTs)
- Interface: C interface bindings; allows integration via dynamic linked library
- Supports: Windows OS 7 and higher

CONSISTENTLY LEADING 3rd PARTY INDEPENDENT COMPARATIVES



Contact us

Evaluating the Bitdefender Antimalware SDK is free of charge and includes technical support. For any inquiries regarding the Bitdefender SDKs, please reach us at www.bitdefender.com/oem.

About Bitdefender Technology Licensing. Bitdefender provides end-to-end cyber security solutions and advanced threat protection to more than 500 million users in more than 150 countries. Since 2001, Bitdefender has consistently produced award-winning business and consumer security technology, and has become a provider of choice for leading Independent Software Vendors (ISVs), hardware vendors, service providers and enterprise organizations looking to integrate security technologies into their products and services. Today, Bitdefender has over 150 technology partners worldwide. More information is available at www.bitdefender.com/oem

Bitdefender®

Founded 2001, Romania
Number of employees 1800+

Headquarters
Enterprise HQ – Santa Clara, CA, United States
Technology HQ – Bucharest, Romania

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