Traffic Interceptor SDK
Scan And Categorize All Traffic

Security vendors that want to intercept and scan traffic on Windows or Mac endpoints don't have to spend valuable engineering resources developing these capabilities in-house. Instead, they can license Bitdefender's Traffic Interceptor SDK.

This technology allows the partner to implement a traffic interceptor and content scanner for HTTP, SMTP and POP3 traffic (on Mac OS it can also decrypt HTTPS traffic via MITM).

Depending on the partner's use case, the SDK can be enhanced and improved. For example, it has built-in functionality to allow partners to develop an interceptor for custom protocols. Moreover, it integrates well with other Bitdefender detection technologies, like the anti-malware scanner and URL status service.

The Traffic Interceptor is also easy to integrate, streamlining the licensing process.

Features

Automatic protocol detection: The SDK can detect the intercepted protocol, independent of port number.

Pre-made functions: Help streamline common traffic scanning tasks. For example, the SDK comes with malicious URL detection functions.

Built-in integrations: The SDK can integrate seamlessly with other Bitdefender security SDKs, like the URL status service or antimalware scanner. These can augment the detection and protection capabilities of the Traffic Interceptor.

Supports the most popular protocols: The SDK has built-in functions to intercept and scan HTTP(S), SMTP and POP3 traffic. Additionally, partners can build interceptors for any other protocol, using the core functionality of the SDK.

At-a-Glance

The Bitdefender Traffic Interceptor SDK allows the partner to implement an interceptor and malware scanner for HTTP, SMTP and POP3 traffic, as well as develop functionalities for custom protocols.

Key Benefits

↳ **Traffic Scanning Simplified**: The SDK comes with pre-made functions that simplify traffic scanning, protocol detection, URL filtering and more.

↳ **Award-winning technology**: Bitdefender's security technologies are praised in industry benchmarks, and they're already deployed in the products of over 180 OEM partners.

↳ **Dedicated support**: All SDKs come with comprehensive documentation, sample code, and support from an experienced technical team.

↳ **Ready to scale**: The Traffic Interceptor SDK integrates seamlessly with other Bitdefender security technologies, making it a scalable security solution.

How the Traffic Interceptor SDK Works

The Traffic Interceptor SDK can be integrated on Windows systems, from 7 upwards and on recent versions of Apple MacOS. It can be linked dynamically at load-time or run-time, and it's initialized by loading the SDK dll.

Bitdefender provides sample code that shows how to use SDK for common endpoint security tasks such as phishing or malicious URL detection, detection of malware in downloaded content and parental control.

Once initialized, the SDK notifies your application via callbacks of all traffic-related events, such as a new URL being visited, or new content downloaded. In those callbacks you can scan the URL or content using other Bitdefender technologies such as antimalware SDK or URL Reputation. You can also act immediately, including by terminating the connection, redirecting the user or replacing the response.

FREE Evaluation

Evaluating the Bitdefender Traffic Interceptor SDK is free of charge and includes technical support.

Contact us

For more information regarding the Traffic Interceptor SDK please reach us at
https://www.bitdefender.com/oem/contact-us.html