Bitdefender

DATASHEET   **Mar 2024**

English Version Only

Reputation Threat Intelligence Services
IP Reputation API

Part of the Bitdefender Reputation Threat Intelligence Services portfolio, IP Reputation API is a query API delivered via a unified cloud endpoint, returning real time information about internet IPs. It supports both IPv4 and IPv6 and provides reputation information about the respective IP if malicious activity is known.

It is served by a distributed load-balanced cloud-based network of servers, optimized for high throughput across Europe and North America with plans to expand to global coverage.

It is meant to be called by all customers in machine-to-machine (M2M) use-cases to check in real-time if an IP of interest has known malicious activity and provides also a minimum context associated to be used further in blocking or filtering actions.

Bitdefender, a worldwide provider of security solutions, boasts an extensive network of sensors numbering in the hundreds of millions, spanning across B2B, B2C, and the OEM ecosystem. This comprehensive coverage enables Bitdefender to promptly identify the IP addresses used by threat actors in real time and subsequently share this intelligence with partners, enhancing the capabilities of defenders against potential security risks.

Features

↳ Contains IPs with malicious activities seen in live sensors, coming from a large diversity of devices, populated by Bitdefender crawlers, automatic and manual malware analysis, spam and phishing activity, IoT solutions, and others.

↳ The information is presented in JSONL format, prepared also for machine-readable integration scenarios.

↳ The abstract database is updated in real-time, new entries are permanently added, and existing entries and their time-to-life are updated permanently, based on the information of the last known malicious activity.

↳ The abstract database contains millions of active malicious IPs, both IPv4 and IPv6, overall following the moving window of the attackers' malicious activities either infecting and using new infrastructures or reusing existing ones.

↳ It provides already vetted information, used also in a variety of Bitdefender and partner products.

↳ Works seamlessly together with the IP Reputation Feed, to cover both surveillance of the IPs of interest at certain moments in time and what is new from Bitdefender.

At-a-Glance

Bitdefender IP Reputation API is a cloud-based query service providing real-time data on IPs' reputation thus supporting the detection of malicious activity. The API is designed for M2M use-cases to assess IPs and facilitate blocking or filtering actions based on known threats.

Key Benefits

↳ Enhanced incident response: The IP status is delivered together with minimal context information, fostering more fine-grained decisions, adapted to the use case.

↳ Proactive defense: Permanently updated revocation records, containing either IPs that change state sooner than their expiring time-to-live or that are marked as false positives.

↳ Integration with Security Tools: Designed to be easily integrated with a large variety of use cases or hardware topologies due to high throughput and a high-concurrency infrastructure.

↳ Ease of use: With token-based authentication and data delivered via a typical REST API the .

↳ Speed and efficiency: Quick response times and transport level optimizations due to the distributed infrastructure.

Reputation Threat Intelligence APIs

Bitdefender Reputation Threat Intelligence APIs are cloud-based services featuring distributed query services with low-latency and high throughput capabilities. These services are designed to efficiently handle a significant volume of simultaneous requests, catering to various consumers across the globe. They are well-suited for numerous automated use-cases where a swift and dependable assessment of the IP reputation is essential.

Reputation Threat Intelligence APIs are part of the broader Bitdefender Threat Intelligence Services portfolio.
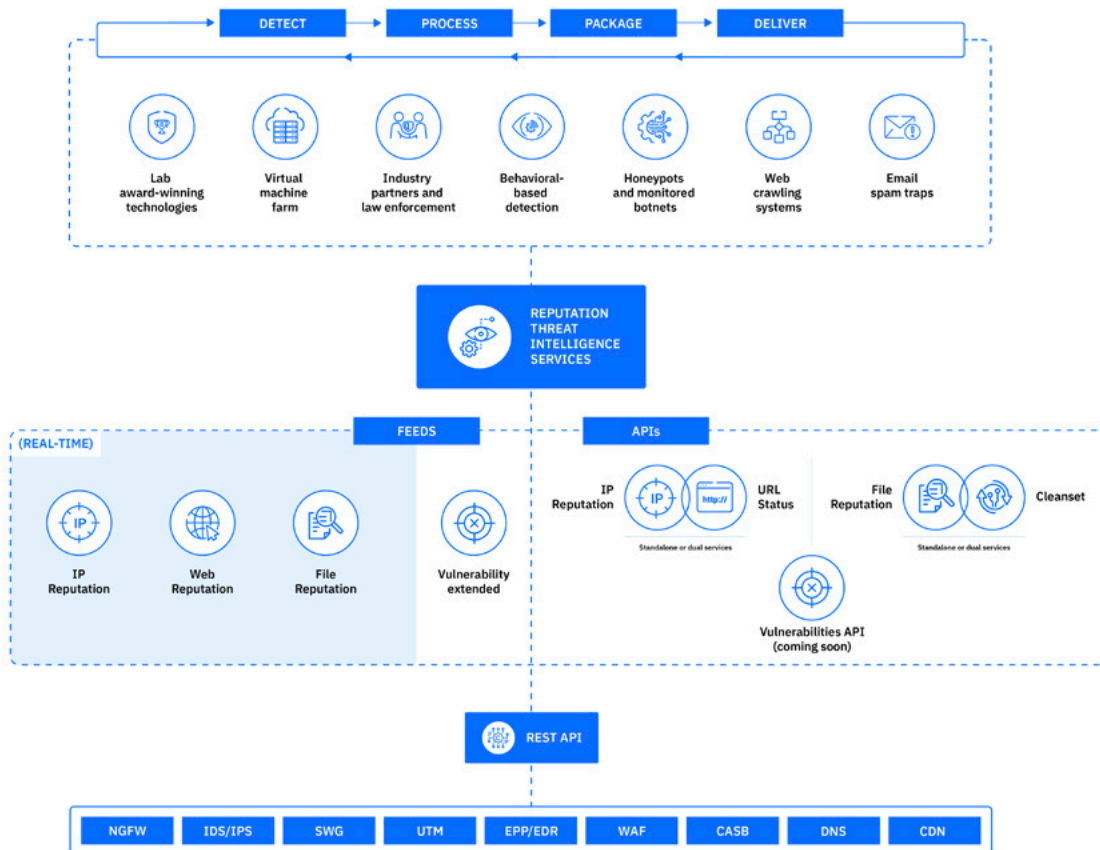
FREE evaluation

Evaluating the Bitdefender Reputation Threat Intelligence Services is free of charge and includes technical support.

Contact us

For more information regarding the Reputation Threat Intelligence Services please reach us at
https://www.bitdefender.com/oem/contact-us.html