Bitdefender.

PRODUCT PRESENTATION
English Version Only

URL Status Service

Securing online activity and content

Internet web resources are used by attackers nowadays as a springboard for a multitude of attacks due to their accessibility and ease of propagation. Most of today's malicious threats use URLs as an infection vector to launch and escalate opportunistic and advanced attacks, in addition to scamming users online. Finally, phishing, online fraud and scams are growing in prevalence and sophistication.
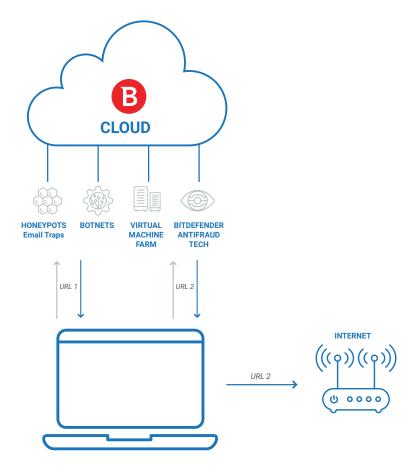
The Bitdefender URL Status service detects malicious, phishing and fraudulent websites in real time in the cloud before they can expose a user to an attack or scam. Additionally, for purposes adjacent to security, URL Status also offers web content categorization of the websites that host offending URLs.

How URL Status works

The URL Status service scans URLs supplied by the partner application against a dynamically updated cloud database to determine whether they pose a threat.

URL Status is an API, **cloud-based service. For particular cases, 2 more extensions are available for offline localDB use or mixed cached-mode, as separate SDKs**. URL information is updated in **real time**, with new malicious URLs, domains identified and processed by Bitdefender technologies, and additional intelligence gained from multiple sources:

→ **Award-winning** Antispam, Anti-phishing and Antifraud technologies

→ URLs identified and processed by Bitdefender's **global install base** with 500+ million endpoints

→ Internal crawling systems

→ Email traps, honeypots and data from monitored botnets

→ Advanced heuristics techniques and content analysis

→ Internal virtual machine farm that executes prevalent malware - **100,000+ malware samples per day** - and collects URL information on websites used by malware to update and/or download additional malicious components

→ Shared data with **industry partnerships**

Multiple tried and trusted leading technologies

→ The URL Status service works symbiotically with other Bitdefender threat detection engines; web pages with content detected as potentially malicious are monitored by our threat detection engines whether they are blocked or not, providing additional information for URL blocking.

→ The URL Status technology is integrated in the Bitdefender's award-winning enterprise solution Gravity Zone and the consumer product range.

→ URL Status is a dependable Reputation API pillar in the Bitdefender Threat Intelligence solution stack, and it is used by other technology licenses for similar purposes.

Key metrics

→ 15,000+ URL requests per second, with an average response time of < 100 milliseconds

→ 1 billion queried URLs per day

→ 50 million blocked URLs per day

→ 100,000+ potentially malicious URLs received daily, with 30% blocked after processing

→ Powered by Bitdefender's Global Protective Network (GPN), the largest security delivery infrastructure, which uses advanced real-time protection to stop any threat

→ 130,000 queries / second from global users are processed via GPN

Accuracy

→ Securing online safety without impinging on the online experience. In addition to leading detection rates, Bitdefender had zero false positives in AV Comparatives' June 2019 Antiphishing test.

→ Checks are performed on URLs that contain a given IP to determine if everything should be blocked from that IP or just the URL in question

Use cases

The service is platform-agnostic and can be integrated in multiple use cases to ensure online safety and to secure online content at the level of the network, gateway or perimeter. The service can be integrated:

→ As an additional layer of protection on endpoints or mobile devices

→ As an additional service on a UTM or Firewall appliances - which eliminates unnecessary workloads from the packet inspection engine

→ On mail or content servers to check links to potentially malicious websites

→ The service also:

→ Returns web content categorization information so it can be used for web access control

→ Can be implemented to create a secure web browser

Platform agnostic / simple integration

The service is platform-agnostic and can be integrated in minutes on any platform/device

→ The light API only requests the URL and returns the security classification with verdicts like Fraud, Malware, Phishing, C2 Servers, etc.

→ All URL requests are processed via Bitdefender's distributed and high-throughput Cloud infrastructure eliminating resource requirements on the customer's end, in addition to management overhead

FREE evaluation

Evaluating the URL Status service or any Bitdefender solution is free of charge and includes technical support.

Need more info?

For more information about Bitdefender solutions, including evaluation, reach us at www.bitdefender.com/oem.

About Bitdefender Technology Licensing

Bitdefender provides end-to-end cyber security solutions and advanced threat protection to hundreds of millions of 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 180 technology partners worldwide. More information is available at www.bitdefender.com/oem.