



# Bitdefender®

## URL Status Service

### Securing online activity and content

The more businesses and consumers share online, the more vulnerable and accessible the data becomes to the online criminal. By understanding where this data is stored, cyber criminals can efficiently focus their efforts on specific users and devices.

The majority of today's malicious threats use URLs as an infection vector to launch and escalate both opportunistic and **advanced attacks**, in addition to scamming users online. Finally, phishing, online fraud and scams are also on the increase in prevalence and sophistication.

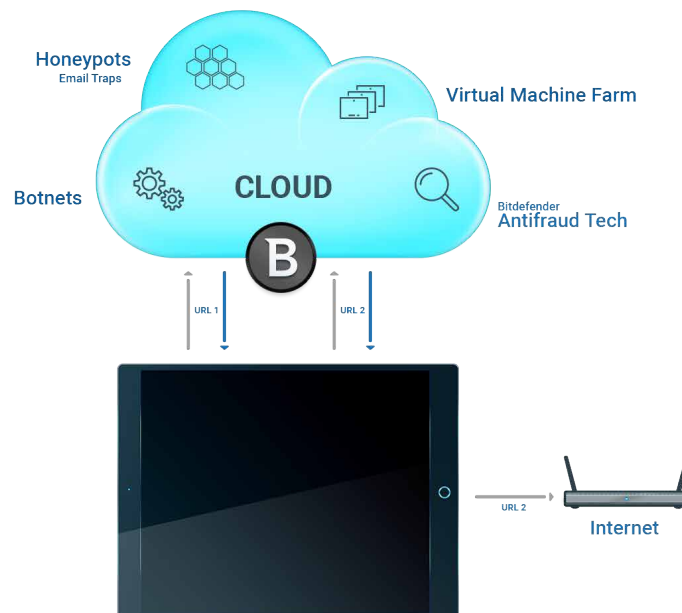
The Bitdefender URL Status service detects malicious, phishing, and fraudulent websites in real-time on the cloud **before** they can expose a user to an attack or scam.

### How URL Status works

The URL Status service scans URLs supplied by the partner application against a dynamically updated cloud database to validate whether they pose a threat or not.

URL Status is **completely cloud-based**. 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, Antiphishing and Antifraud **technologies**
- URLs identified and processed by Bitdefender's **global install base**
- 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 **sympiotically** with other Bitdefender threat detection engines; web pages whose content is detected as potentially malicious are monitored by our threat detection engines regardless if they are blocked or not, providing additional information for URL blocking
- The URL Status technology is **integrated** in Bitdefender's award-winning enterprise solution Gravity Zone and consumer product range



## 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, from which 30% are 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' July 2017 Anti-phishing 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
- Crosschecks IPs against botnets, both known and those under investigation



## Use cases

The service is platform agnostic and can be integrated in multiple use cases to protect online safety and on secure online content at the network, gateway or perimeter-level. 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 **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 a value for Fraud, Malware, Phishing, clean etc.
- All URL requests are processed via the Bitdefender Cloud infrastructure eliminating resource requirements on the client end, in addition to management overheads

## FREE evaluation

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

## Need more info?

For more information about the Bitdefender solutions, including evaluation, reach us at [oemsales@bitdefender.com](mailto:oemsales@bitdefender.com).

## 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 marketing companies that are looking to expand their product or service offerings with comprehensive security technology. Today, Bitdefender has over 150 technology licensing partners worldwide. More information is available at [www.bitdefender.com/oem](http://www.bitdefender.com/oem)

