



Axigen AntiVirus / AntiMalware and AntiSpam

Intelligent, Real-time Premium Content Filtering.
Incoming and Outgoing Email Protection.

powered by

Bitdefender®

PREMIUM CONTENT FILTERING

Bitdefender®

We are highly committed to ensuring that our customers have access to the best security tools. This is why we have included the Bitdefender AntiMalware & AntiSpam premium security layer in our security solutions portfolio.

260 RESEARCHERS

Across 5 continents

30 BILLION

Daily threat queries from hundreds of millions of sensors worldwide

20

YEARS
OF INNOVATION
IN CYBERSECURITY

400 THREATS

Discovered and processed every minute

392+ EMPLOYEES

innovating in emerging technologies and machine learning

INTELLIGENT ANTISPAM TECHNOLOGY. OVER 99.9% DETECTION RATE.

Bitdefender AntiSpam uses a combination of antispam filtering and predictive technologies to effectively detect spam messages in any language and reduce false positives, as well as protect from phishing attacks or malicious links in email attachments.

Bitdefender's Intelligent Antispam technology is also used by Bitdefender Security for Mail Servers, the only antispam solution to have achieved VBSpam certification in all 59 Virus Bulletin spam tests ever performed. Bitdefender had an average spam detection rate of over 99.9% with zero false positives in the latest 22 consecutive VBSpam tests, and has achieved Virus Bulletin's highest certification, VBSpam+, for 22 tests in a row as of March 2020.

MULTI-LAYERED, INDUSTRY LEADING ANTIMALWARE PROTECTION

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

Key engine components and technologies include file format analyzers and parsers, un-archivers and archivers, executable unpackers, emulation, heuristics-based detection, generic detection, signature-based detection, machine-learning algorithms, and cloud-based detection.

BITDEFENDER ANTISPAM HIGHLIGHTS

- Stellar ratings from independent testing organizations
- Cloud-based detection, very low false positive rates, and fast response time
- Proprietary technology with patented algorithms and detection methods
- Privacy-oriented: when developing detection filters protecting end users' privacy is top priority
- Phishing and fraud email detection
- Language-independent

BITDEFENDER ANTIMALWARE HIGHLIGHTS

- Protection against known and unknown malware, including viruses, Trojans, worms, ransomware, advanced persistent threats, spyware, adware, etc.
- 99.9% detection consistently demonstrated in 3rd party tests
- High speed scanning, full multi-threading architecture
- Used by the Bitdefender consumer and business products
- Multiple awards from independent test organizations such as AV-Comparatives, AV-Test

HOW IT WORKS

Bitdefender®

Threat Detection and Blocking

IP Reputation System

Ensures proactive detection of spam emails based on sender's IP address

Domain and URL Reputation

The message's URLs are extracted and checked against a real-time blacklist

Email Structure, Headers and Body Content Fingerprints

Spam content is detected using cryptographic hashes

Malicious Attachment Detection

An essential layer in detecting messages carrying malware and phishing attachments

Cryptocurrency Address Blacklists

Covers many types of cryptocurrencies used in extortion scams

Spam Image Detection

Based on computer vision technologies

Intelligent AntiSpam and AntiVirus / AntiMalware Technology

- IP Reputation
- Domain & URL Reputation
- Email Structure & Body Content Fingerprints
- Malicious Attachment Detection
- Spam Image Detection
- Email Addresses Blacklists
- Phone Numbers Filter
- Proactive Detection
- Advanced Heuristics Filter
- Cryptocurrencies Filter
- Spear Phishing Filter

Email Addresses Blacklists

Ensure detection of a wide range of email scams

Phone Numbers Filter

Blocks fraud and spam messages that include phone numbers

Proactive Heuristic Detection Technology

Combines complex spam message patterns, advanced heuristic filters and content analysis

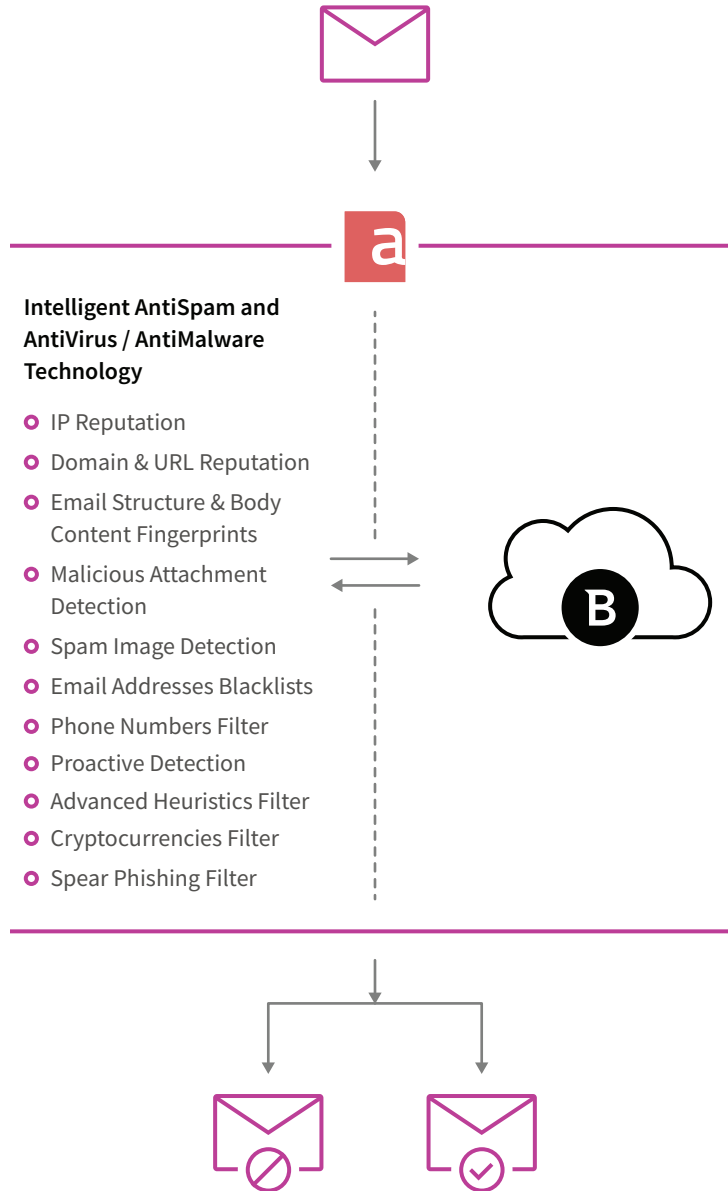
Spear Phishing Detection

Based on FROM and Reply-to header content filtering

Email Classification

Based on Bitdefender's detection types and machine learning classification models, email can be classified into:

- Phishing
- Scam
- Malware
- Marketing
- Extortion



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The Email Security

S U P E R S T R U C T U R E

ANTI-IMPERSONATION

SPF	DKIM	DMARC
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DNSBL & URIBL BLACKLISTS

aDNSBL  aURIBL
AXIGEN PREMIUM BLACKLIST SERVICES

CONTENT FILTERING

Bitdefender[®]
PREMIUM ANTIVIRUS / ANTIMALWARE & ANTISPAM

THE TOOLBOX

GREYLISTING	COUNTRY FILTERING	ATTACHMENT FILTERING	IDENTITY CONFIRMATION
BLACKLISTS	WHITELISTS	ACCEPTANCE POLICIES	...

