

## Email Security

# A Next-Generation Email Security Solution that Protects Against Malicious Emails at the Point of Email Reception and the Point of Email Delivery.



Multi-layered email security architecture is now available from a single vendor. RevBits Email Security delivers complete protection from the point of email reception with robust cloud-based SEG, and at the point of delivery, at edge email inboxes, with its advanced endpoint analysis agent.

### Solution Features and Capabilities

#### Multi-layered analysis

Like a Matryoshka doll, threats hidden in multi-layered attachments, including password protected ones, are thoroughly unpacked and analyzed by RevBits Email Security.

#### Ease of deployment

RevBits Email Security does not require changes to MX settings in DNS, additional hardware installation or complex infrastructural changes .

#### Complementary security

RevBits Email Security can act as an independent standalone email security solution in the network, or it can be added to existing email gateway solutions without interference, operating in conjunction with them.

#### Intelligence sharing

RevBits Email Security agents provide feedback to the central server in the network, to provide intelligence on malicious indicators of analyzed emails to all protected endpoints.

#### SIEM integration

RevBits Email Security integrates with SIEM solutions in the network, reporting detected emails and analysis results.

#### Yara rules

Client-defined custom Yara rules may be added manually and automatically through RevBits Email Security API for accurate and bespoke detection.

#### Endpoint email analysis

Operational location on the user endpoint allows for extensive individual email analysis (US Patent).

#### Mobile ready

A lightweight version is available for server deployment to cover mobile devices.

#### Multi-algorithm analysis

Extensive analysis on emails using over fifty unique algorithms to detect the most sophisticated campaigns.

#### Unpackage multi-layered attachments

Multi-layered attachments are unpackaged and analyzed for thorough email analysis to include password protected attachments .

#### Real-time employee training

Employees will receive real-time training on email phishing training through RevBits Email Security user inbox interface which allows the user to see real blocked emails and the reasons for the email blockage.

**RevBits Email Security takes on the growing sophistication of malicious actors.**

### Prevent page impersonation attacks

Conduct page impersonation analysis through a unique technology that analyzes images of web pages to ensure login pages are protected from malicious spoofing attacks. This feature will help defeat URL attacks .

### Domain spoof protection

Through automated DMARC, DKIM, and SPF verification, reduce the likelihood of organizational email abuse from domain spoofing campaigns.

### Malicious email remediation

Discover and remove malicious emails delivered to user's email inboxes for fast and efficient remediation. Enhance security protocols around email delivery and prevent the spread of email generated attacks.

### Brand impersonation protection

Stop domain spoofing from phishing campaigns that jeopardize an organization's customers, partners, and employees. Detect and eliminate malicious domains to help limit stolen data.

### Sender impersonation protection

Detect and block attacks designed to impersonate trusted senders. Malware-less attacks are thwarted through real-time scanning of emails, detecting header anomalies, similar domains, and sender spoofing.

## Software Requirements

**Operating systems:** [RevBits Email Security endpoint analysis agent] Available for Windows (Outlook) only

**Mobile email apps:** [RevBits SEG] Available for all mobile email

**Email provider:** [RevBits SEG] all email providers

**Server:** Hosted in RevBits Cloud

## Additional Solution Features

**U.S. patented** – RevBits has secured a patent for phishing detection and prevention based on a “system and method for detecting phishing emails,” that delegates email analysis to email clients for extra processing power and time.

**Protection against the latest threats** – RevBits Email Security protects organizations against the latest and most effective phishing campaigns. Unmatched techniques, such as the analysis of password protected attachments, page impersonation attack detection using image analysis, and thorough domain background checks, offer the maximum protection against sophisticated and targeted attacks.

## Email Security Benefits

**Diminish the threat of email phishing campaigns** – By deploying RevBits Email Security (SEG) and endpoint agent, the likelihood of a successful phishing attack is highly reduced through end-to-end email security.

**Increase and provide real-time employee training** – RevBits Email Security allows employees to see a blocked email (through optional admin panel configuration) and the reason for its blockage, which provides continual free email security training for the employee.

**Reduce the cost of mitigating an incident** – Save on the costs associated with mitigating an unauthorized access by blocking credential-harvesting email phishing campaigns.

**Double your security against the growing threat** – RevBits Email Security endpoint agent can be deployed without RevBits SEG, and is scalable in existing email security stacks. Deploying the RevBits endpoint agent does not require an existing SEG to be removed.

**Decrease vendor load and associated costs** – As a single-vendor, multi-layered cybersecurity provider, RevBits Email Security offers scalability and enhanced protection through one license agreement.

**End-to-end email security** – RevBits Email Security is the only solution that detects and blocks malicious emails at the reception, in front of email servers, and at the point of delivery – on edge user devices. Its award-winning analysis capabilities are included in RevBits endpoint agent application, and in RevBits SEG. RevBits multi-layered email security detects and blocks malicious emails to fully protect organizations against the main vector of malware and ransomware.

**Automatic reports, simplified analysis** – Automatic and manually reported emails are delivered to the RevBits Email Security dashboard. Reported emails are automatically dissected, parsed and analyzed, making them ready for immediate and efficient investigations. Architected for collaborative research, RevBits Email Security allows for streamlined cooperation between internal cybersecurity team members and experienced RevBits analysts.

**Sophisticated SEG capabilities** – RevBits SEG analyzes, detects, and blocks emails as they enter an organization’s email server environment. Utilizing many of the advanced analysis capabilities found in RevBits’ endpoint agent to conduct deep analysis on mass email traffic at the edge, the RevBits SEG delivers all the classic protections, plus patented advanced analysis that exceeds other solutions.

**Second level analysis to block sophisticated attacks** – Realizing that all SEGs can miss sophisticated, malicious emails, RevBits went the extra step and built an advanced endpoint analysis agent that detects sophisticated attacks that other SEGs miss. RevBits Email Security agent applied to users’ email inboxes conducts advanced deep analysis on endpoint emails. This next level of analysis detects and blocks advanced malicious email attacks that escaped the SEG.

**Key-point geolocation distribution** – Extend the end-user perimeter wherever it is needed with distributed geolocation access points. Rev Bits ZTN connects users to needed applications and assets anywhere in the world – quickly, securely, and with minimal effort.

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