



**RevBits**  
EMAIL SECURITY

# A Next-Generation Email Security Solution that Protects Against Malicious Emails at the Danger Point – the Endpoint.

The capability to increase organizational protection from domain spoofing and sophisticated email phishing attacks is realized with the first endpoint-based email security solution on the market.

## RevBits Email Security

### MULTI-LAYERED ANALYSIS

Like 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 and 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 but operates 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.

### REALTIME EMPLOYEE TRAINING

Employees will receive real time 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 being blocked.

### PREVENT PAGE IMPERSONATION ATTACKS

Conduct page impersonation analysis through a unique technology that has a US Patent Pending for image analysis of web pages. This feature will help defeat URL attacks.

### CONFIGURATION POWER

System administrators can fine tune email screening, blocking, and access policy to tailor meet the needs of individuals or groups.

### DKIM/DMARC/SPF AUTOMATION

With an automated DKIM/DMARC/SPF capability, admins can extend email security to prevent domain spoofing while helping to protect the organization's brand.

### COMPUTATIONAL ASSESSMENT OF EMAIL THREATS

Utilizing Probabilistic scoring each email is considered malicious or safe, if assessed as malicious the email is blocked from action by the user. This policy is tunable to the individual or group.

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## Benefits

### REDUCE THE SUCCESS OF EMAIL PHISHING

By deploying RevBits Email Security on endpoints, the potential to lower the cost of an unauthorized access exists through increasing the likelihood of malicious emails being caught and blocked through its deep and thorough analysis protocols.

### INCREASE AND PROVIDE REAL-TIME EMPLOYEE TRAINING

RevBits Email Security allows employees to see a blocked email 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 associated with credential harvesting by blocking email harvesting campaigns.

### DOUBLE YOUR SECURITY AGAINST THE GROWING THREAT

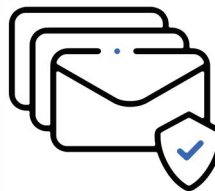
RevBits Email Security is scalable in the company's existing email security solution stack. Deploying RevBits Email Security does not mean that the gateway security solution needs to be removed.

## Software Requirements

Operating Software: Available for Windows (Outlook) only

Mobile Apps: Available for mobile Outlook

Server: Hosted in central RevBits Cloud



## The Sophisticated Solution in Email Security to Take on the Growing Sophistication of the Malicious Actor

### TWO U.S. PATENTS

RevBits has secured two patents for phishing detection and prevention: The first, "system and method for detecting phishing emails," delegates email analysis to email clients for extra processing power and time. The second, "system, method, apparatus, and computer program product to detect page impersonation in phishing attacks," detects sophisticated and previously undetected credential harvesting via fake login pages.

### 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.

### KEEP IT LOCAL

Utilize RevBits Email Security to eliminate unnecessary analysis latency and the risk of exposing emails to third party cloud-based email security providers. Blocked emails are locked in the cloud and batched, ready for manual review. With RevBits Email Security, blocked emails are transformed into non-actionable states and are displayed to the user for awareness and educational purposes.

### 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 co-operation between internal cyber security team members and experienced RevBits analysts.