Bitdefender GravityZone Email Security

Multi-layered cloud-based email security for your entire organization. Adds essential threat prevention to all Office 365 deployments.

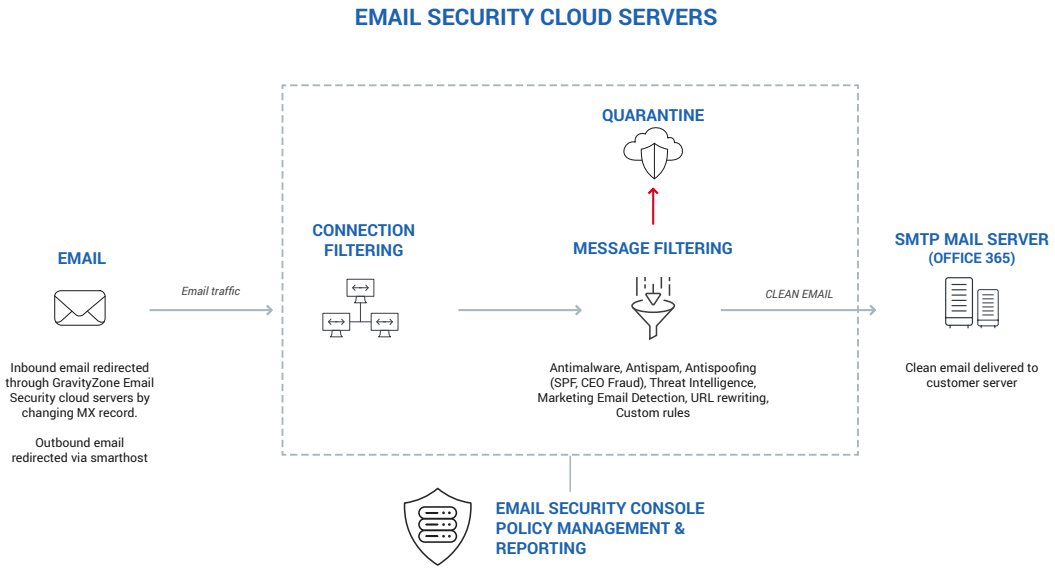
Bitdefender GravityZone Email Security is a comprehensive email protection solution that covers all email security needs. It offers your organization complete business email protection that goes beyond malware and other traditional threats such as spam, large-scale phishing attacks and malicious URLs. It also stops modern, targeted and sophisticated email threats including Business Email Compromise (BEC) and CEO fraud.

Unparalleled Threat Protection	Protection against CEO Impersonation Attacks	Multiple Scanning Engines
Complete technology stack for accurate protection from known, unknown and emerging email threats	Detects threats that don't involve malware, such as credential phishing and impostor email	Traditional signature-based and behavioral AV engines combined to automatically safeguard against new malware packaging techniques

How it works

- Traditional pattern, message attribute and characteristic matching are complemented by algorithmic analysis for **ultimate threat detection without impacting accuracy**.
- **Multiple signature and behaviour-based antimalware engines** offer protection from all forms of malware, including zero-day variants.
- **Behavioural analysis** includes over 10,000 algorithms analysing more than 130 variables extracted from each email message.
- **A sophisticated policy engine** that allows the IT administrator to customize exactly how email flows in and out of the organization. The engine can inspect all aspects of email, including size, content, attachments, headers, sender and recipients, and take appropriate actions, such as deliver, quarantine, company quarantine, re-route, notify or reject.
- **GravityZone Email Security is both an advanced email security solution and a full cloud-based email routing engine** with fully featured company and personal quarantines for message management. Deep categorization – distinguishing between professional marketing and suspected mass email campaign messages for example – enables flexible policies that detail precisely how different types of messages are processed and tagged.
- **Detailed message tracking** is invaluable for email admins, allowing them to quickly view exactly why an email was delivered or rejected, including email headers and the full conversation with the remote email server.

GravityZone Email Security Architecture



GravityZone Email Security Key Features

PROTECTION FEATURES

- Anti-spam: Multiple engines use a combination of technologies to detect spam as well as more sophisticated targeted phishing and impersonation attacks.
- Anti-malware: Multiple traditional signature- and behavior-based antivirus engines for detection of malware.
- Time-of-click protection: Rewrites URLs in email messages and provides point-of-click protection using multiple reputation services.
  - Options to autoredirect, click continue, block on threat and show/hide target URL.
  - Option to scan links at time of message delivery as well as at time of click.
- Safe & Deny Lists: Create company-wide and/or individual user Safe & Deny lists.
- TLS / Opportunistic TLS:
  - Enforce TLS encryption and restrict communication with other email servers that do not support the TLS protocol.
  - Option to enable opportunistic TLS with fall back to plain text if TLS is not supported by the receiving mail server.
- Email Authentication: Support for SPF, DKIM and DMARC.
- Executive Tracking List: Use details synced from Active Directory to automatically detect users' real names within header and envelope address fields to protect against impersonation attacks / CEO fraud.
- Nearby (cousin) Domains:
  - Compares sender domain to legitimate domain names to identify nearby domains (that vary from the actual domain name by one or two characters).
  - Protects against impersonation attacks / CEO fraud.
- Subject Tags and Headers:
  - Add tags such as [EXTERNAL] or [MARKETING] to message subject lines.
  - Add HTML or plain text headers to inbound messages alerting users to potential risks.
- File Attachments:
  - MIME type checking of file attachments with ability to block dangerous file types.
  - Detect password-protected archives.
- Keyword Lists: Create unlimited keyword lists. Use rules to analyze messages and take action based on confidential or sensitive content.
- Mail Queuing: Email is automatically queued for 7 days in the event of a failure or outage of the primary email service/server(s).
- Sending Limit Monitoring: Automatic protection from attempts to send large volumes of messages outbound to prevent domain blacklisting.
- Directory Harvest Attack (DHA) Prevention: Drop email destined for invalid or fake email addresses.

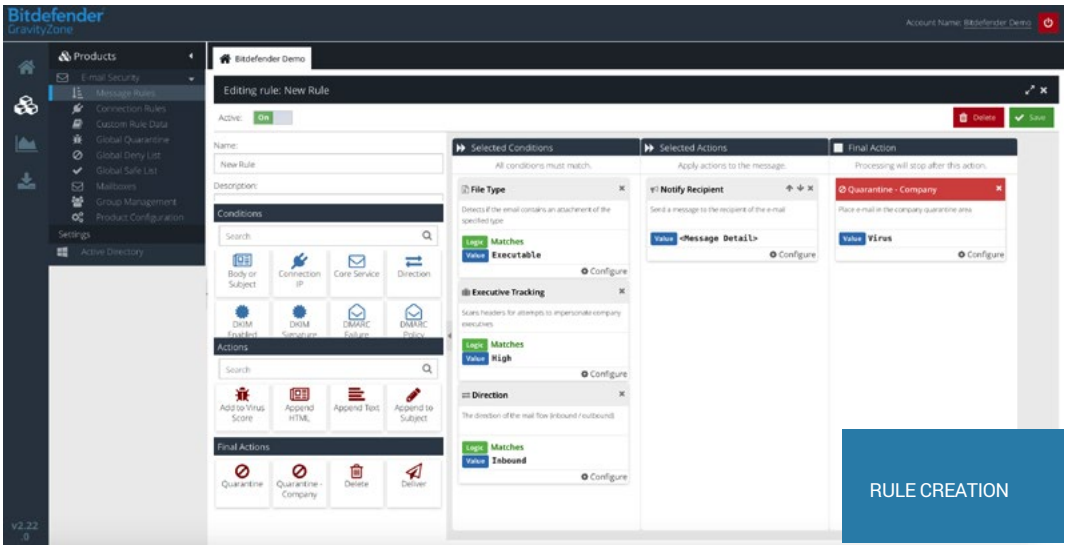
MANAGEMENT FEATURES

- Policy Engine: Over 20 conditional triggers to control email delivery and filter messages based on size, keywords, spam score, time, source, destination, attachment size, headers, AD attributes and more.
- User Synchronization: Active Directory synchronization service ensures changes are replicated. Apply rules based on AD group membership if required.
- Web Interface: Fully managed by and delivered through the GravityZone Email Security console.

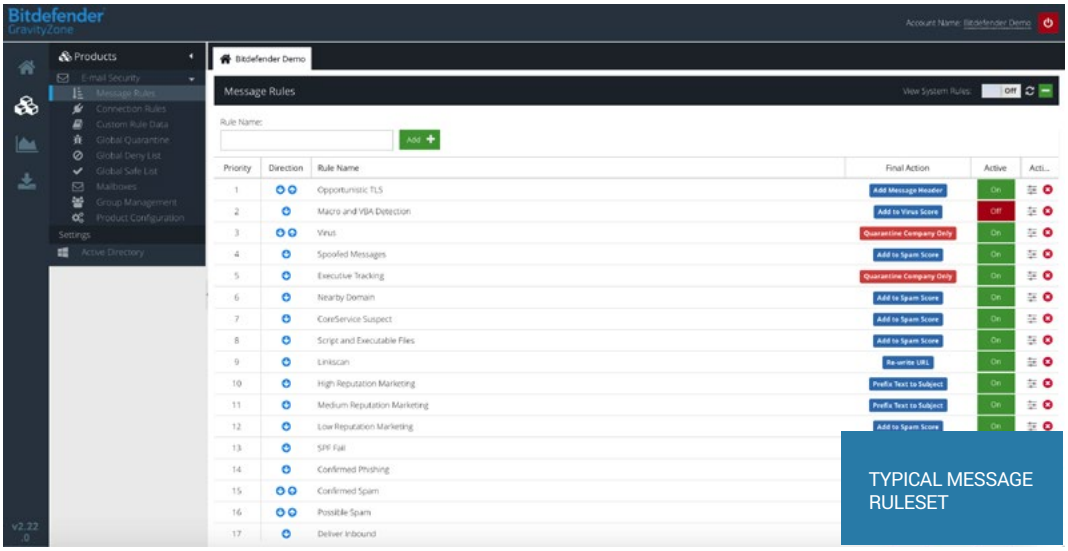
- Delegated Administration: Allows creation of multiple administrators with different levels of access.
- Quarantine: Option to move messages to Company and User quarantines.
- Quarantine Digest: Digest emails list all messages within the user's quarantine and allow messages to be previewed, released or blocked. Interaction with the digest allows users to manage their individual Safe & Deny lists. Users can set the frequency and days on which digest emails are received.
- Disclaimers: Append an HTML and/or plain text disclaimer to all outbound email. Set different disclaimers for different domains.

REPORTING FEATURES

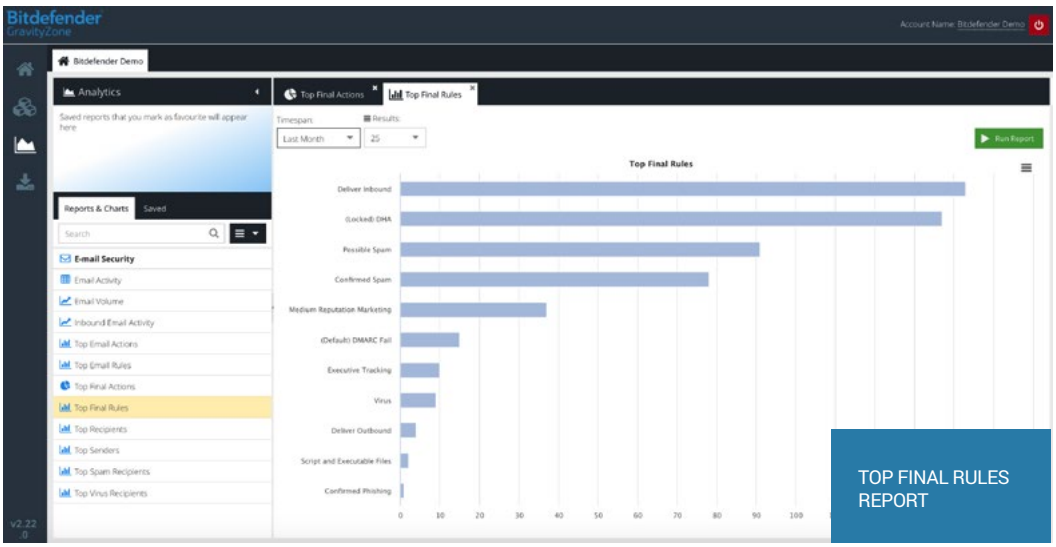
- Real-time Visibility: Charts provide detailed visibility into inbound and outbound mail flow, as well as rules triggered and actions taken. Ability to drill down from high-level graphs and charts to detailed reports.
- Report Builder: Administrators can define their own reports based on available field names and criteria. Reports can be saved and then exported. Audit reports can be searched using criteria including time, user, sender address, subject, sender IP, recipient, direction, final action, rule name. Marking reports as 'Favourite' adds them to a quick-access area.
- Scheduling and Alerting: Link reports to schedules and, optionally, only receive a report when content exists (alert mode). Alert on rules, actions, content etc.
- Top Trend Reports: A selection of pre-defined trend reports with chart and table data. Trend reports can be exported to PDF and e-mailed to recipients.
- Multiple Views: Analyze and report by time, user, sender address, subject, sender IP, recipient, direction, final action, rule name.
- Detailed Audit (Message Tracking): Detailed view of analysis of individual messages with the exact reason an email was delivered or rejected. Includes email headers and full conversation with the remote email server.
- Log Retention & Auto-archiving: GravityZone Email Security log data is archived automatically after 90 days and available to download from the console for a further period of 12 months.



RULE CREATION



TYPICAL MESSAGE RULESET



DEPLOYMENT

- Quick and Easy Deployment: Redirect domain MX records to the GravityZone Email Security cloud.
- Email Service Provider Support: Works with all email service providers. Deliver email to different providers based on user AD Group membership – supporting hybrid environments using Exchange on premise with O365 Exchange Online or Gmail.
- Change MX records to re-route inbound email through Cloud Email Security servers.
- Configure smart hosts to re-route outbound email through Cloud Email Security servers.

For more information please visit:
https://www.bitdefender.com/business/gravityzone-addons/email-security.html

Or contact your local Bitdefender partner.

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