



Datasheet

Proxmox Mail Gateway

AT A GLANCE

- Leading open-source email security solution
- Easy to deploy in existing infrastructure
- Runs as appliance on virtualization platforms
- Incoming & outgoing spam/virus detection
- Customization with Object-Oriented Rule System
- Innovative Message Tracking Center
- Dashboard for statistics and reports
- After-Queue/Before-Queue filtering
- Proxmox High Availability Cluster
- Integration of Proxmox Backup Server
- Zero data loss with ZFS storage
- LDAP integration
- IPv4 and IPv6 support
- REST API for 3rd party integration
- Open-source license GNU AGPL, v3
- Enterprise support available

OPEN-SOURCE EMAIL SECURITY

Proxmox Mail Gateway is the leading open-source email security solution, protecting your mail server against all email threats from the moment they emerge. Organizations of any size can easily implement and deploy the anti-spam and anti-virus platform in just a few minutes. Deploying the full featured mail proxy between the firewall and an internal mail server allows you to control all incoming and outgoing email traffic from a single platform.

ENTERPRISE-CLASS PROTECTION

Proxmox Mail Gateway can handle unlimited email domains with multiple internal mail servers and millions of emails per day. With the comprehensive, enterprise-class feature-set and the powerful web-based management interface, IT professionals can control all messaging, detect and block spam and viruses, customize roles and user management, and provide spam quarantine previews to end-users. The flexible architecture and many powerful integrated management tools like ZFS storage, Proxmox HA cluster, the message tracking center, the object-oriented rule system, and spam quarantine make Proxmox Mail Gateway the ideal solution for maintaining a secure and continuous email workflow, ensuring data integrity and business continuity.

The future-proof, open-source development model of Proxmox guarantees full access to the source code, as well as maximum flexibility and security. Professional enterprise support on a subscription basis will help you to keep your deployments secure and up-to-date.

KEY FEATURES

ENTERPRISE-CLASS EMAIL SECURITY

- Powerful open-source solution – no vendor lock-in
- Based on reliable and trusted Proxmox technology
- Enterprise-grade features
- Incoming & outgoing email scans
- Overview and control of all functions via the GUI
- Runs on dedicated hardware or on all leading virtualization platforms including LXC

FREE & OPEN-SOURCE SOFTWARE

- Licensed under the GNU AGPL, v3
- Debian-based, using Proxmox kernel with OpenZFS support
- Public code repository (Git)
- Bugtracker for issue tracking
- Community support forum
- Documentation, project page, video tutorials, how-to guides,...

FAST & EASY INSTALLATION

- Fully functional system setup within minutes
- Available as ISO-install on bare-metal, or in a VM
- Installation wizard
- Install on top of existing Debian GNU/Linux system or as container on Proxmox VE

ENTERPRISE SUPPORT AGREEMENT

- Avoid hidden costs, with clear subscription model
- Flexible support options that grow with your needs
- Access to the stable and extensively tested Enterprise Repository
- Updates and version upgrades via GUI
- Proxmox Offline Mirror tool to keep air-gapped systems up-to-date
- Premium technical support from the highly-skilled Proxmox support team

PROXMOX HIGH AVAILABILITY CLUSTER

- 100% secure email system for business continuity
- High performance, thanks to unique application level clustering scheme
- Primary node and several secondary nodes
- Central management configuration via GUI
- Fully redundant storage
- Synchronization of configuration and data to all cluster nodes via VPN (using SSH)

UNIQUE MESSAGE TRACKING CENTER

- Fast and powerful Proxmox Message Tracking Center
- Track and summarize all email related logs for each message
- TLS-logging

OBJECT-ORIENTED RULE SYSTEM

- Enables custom rules for domains
- Granular filters by user, domain, time frame, content type, and resulting action definable, with a well thought-through default set
- Objects for WHO, WHAT, WHEN, and ACTION

USER MANAGEMENT

- Role-based access control scheme
- Multiple authorization roles: Superuser – Administrator – Quarantine Manager – Auditor

STATE OF THE ART SMTP DEPLOYMENTS

- Support all current best practices of modern SMTP deployments
- DKIM Signing
- Before-Queue or After-Queue filter
- Support for outbound delivery status notifications (DSN)
- SMTUTF8 aware SMTP Proxy

INTEGRATION WITH DIRECTORY SERVICES AND EMAIL SOURCES

- Use existing LDAP/Active Directory Accounts as objects in the rule system
- Integrate externally hosted IMAP/POP3 Accounts using Fetchmail

BACKUP/RESTORE

- Backup/restore the complete configuration, the mail filter rules, and the statistic database via GUI
- Integration of Proxmox Backup Server
- Choose local backups or Proxmox Backup Server
- Backup the Proxmox Mail Gateway configuration on one or more *Remotes*
- Quick restore in case of large-scale disaster
- Schedule regular backups via GUI to periodically create backups of Proxmox Mail Gateway

KEY FEATURES

SPAM VIRUS AND ATTACHMENT QUARANTINE

- End-user spam quarantine with preview
- Stores identified spam mails and makes them accessible to end-users
- Attachment Quarantine, accessible only by administrators
- Display quarantined emails of all users at once

SPAM DETECTION

- Receiver verification
- Sender policy framework (SPF)
- DNS-based Blackhole List
- SMTP Accesslist
- Block- and Welcomelists
- Auto-learning Algorithm
- Spam Uri Realtime BlockList (SURBL)
- Greylisting
- SMTP Protocol Tests
- Spam analysis on texts in attached documents and images

VIRUS DETECTION

- Integrated, open-source antivirus engine ClamAV®
Third party virus scanners optional
- Detects Trojans, viruses, malware, and other malicious threats
- High performance, multi-threaded scanning daemon
- On-demand file scanning
- Automatic signature updates

ZFS FOR DATA INTEGRITY

- ZFS for both combined file system and LVM
- Zero data loss, and high configurability
- Detects any silent data corruption, and corrects errors in case of data redundancy
- Checksums for data integrity
- Built-in software RAID-Z using ZFS
- Enables high performance SSD Hybrid Storage Pools
- Support for high storage capacities

COMMAND LINE INTERFACE

- Manage all components
- CLI with intelligent tab completion and full UNIX man page documentation

INTEGRATED WEB INTERFACE

- Web-based graphical user interface (GUI) - no need to install a separate management tool nor any additional management nodes
- Secure web-based xterm.js console
- Seamless integration and management of Proxmox HA Cluster
- Simple subscription management via GUI updates
- Download quarantined message in .eml format

REST API

- Easy integration for third party management tools
- REST API (JSON as primary data format)
- Easy and human readable data format (native web browser format)
- Automatic parameter verification (and verification of return values)
- Automatic generation of API documentation
- Easy means of creating command line tools (use the same API)
- Resource Oriented Architecture (ROA)
- Declarative API definition using JSON Schema

MOBILE USER INTERFACE

- Based on Framework7
- Check Delivery/Welcomelist/Blocklist/Deleted emails in the quarantine from a mobile device

CERTIFICATE MANAGEMENT VIA GUI

- Upload custom certificates from the web interface
- Set up a cluster-wide ACME account
- Full integration of the ACME protocol via the GUI
- Create valid and trusted certificates with Let's Encrypt
- Full support for http-01 and dns-01 challenges

TWO-FACTOR AUTHENTICATION

- Providing high security
- Time-based One Time Passwords (TOTP)
- Web Authentication (WebAuthn)
- Recovery codes for single use
- TFA/TOTP lockout to protect against brute-force attacks.

IPV4 AND IPV6

- Full IPv4 and IPv6 support, including customizable netmask length for greylist matching

LEARN MORE

Project page: <https://pmg.proxmox.com>

Community Forum: <https://forum.proxmox.com>

Bugtracker: <https://bugzilla.proxmox.com>

Code repository: <https://git.proxmox.com>

HOW TO BUY

Visit the Proxmox Online Shop to purchase a subscription: <https://shop.proxmox.com>

Find an authorized reseller in your area:
www.proxmox.com/partners

SALES AND INQUIRIES

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HELP AND SUPPORT

Customer Portal: <https://my.proxmox.com>

Forum: <https://forum.proxmox.com>

ABOUT PROXMOX

Proxmox Server Solutions GmbH is a software provider, dedicated to developing powerful and efficient open-source server solutions. The privately held company is based in Vienna (Europe).



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