



Datasheet

Proxmox Mail Gateway

AT A GLANCE

- Leading open-source email security solution (AGPL, v3)
- Easy to implement in existing IT
- Incoming & outgoing spam/virus detection
- Customization with Object-Oriented Rule System
- Innovative Message Tracking Center
- Dashboard for statistics and reports
- After-Queue or Before-Queue filtering
- Proxmox HA Cluster
- ZFS storage for zero data loss
- LDAP
- IPv4 and IPv6 support
- Runs as appliance on virtualization platforms
- Fast bare-metal ISO installation
- RESTful API for 3rd party integration

OPEN-SOURCE EMAIL SECURITY

Proxmox Mail Gateway is the leading open-source email security solution protecting your mail server against all email threats the moment they emerge. Organizations of any size can easily implement and deploy the anti-spam and anti-virus platform in only a few minutes. Deploying the full-featured mail proxy between the firewall and your internal mail server allows 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 the end-user. The flexible architecture and many powerful integrated management tools like ZFS storage, Proxmox HA cluster, the message tracking center, the object-oriented rule system, or spam quarantine make Proxmox Mail Gateway the ideal solution to maintain a secure and continuous email workflow, ensure data integrity, and business continuity.

The future-proof Proxmox open-source development model guarantees full access to the source code as well as maximum flexibility and security. Affordable support subscriptions from Proxmox will help you to keep your deployments secure and up-to-date.

KEY FEATURES

ENTERPRISE-CLASS EMAIL SECURITY SOLUTION

- Powerful open-source solution – no vendor lock-in
- Based on reliable and trusted Proxmox technology
- Comprehensive feature-set for demanding enterprise use
- Easy integration into existing mail server architectures
- Incoming & outgoing email scans
- Runs on dedicated hardware or on all leading virtualization platforms including LXC (Linux Container)

LEADING OPEN-SOURCE SOLUTION

- Debian-based distribution
- Licensed under the free, copyleft GNU AGPL (Affero General Public License), v3
- Public code repository (GIT)
- Designed to leverage cooperation with community
- Bugtracker for public issue tracking
- Public forum with huge, active community
- Free documentation integrated in GUI

FAST & EASY INSTALLATION

- Fully functional system setup within minutes
- Easy bare-metal installation with ISO installer
- Installation wizard
- Install from CD-ROM, USB or on top of existing Debian GNU/Linux system

ENTERPRISE SUPPORT

- Exclusive access to the stable Enterprise Repository
- Updates via GUI
- Professional support from the Proxmox team
- To ensure business continuity

UNIQUE MESSAGE TRACKING CENTER

- Fast and powerful Proxmox Message Tracking Center
- To track and summarize all email related logs
- Overview and control all functions via GUI

OBJECT-ORIENTED RULE SYSTEM

- Enables custom rules for domains
- Defines granular filters by user, domains, time frame, content type, and resulting action
- Objects for WHO, WHAT, WHEN, and ACTIONS

INTEGRATED WEB-BASED USER INTERFACE

- Web-based graphical user interface (GUI) for central management is included - no need to install a separate management tool nor any additional management node
- Fast search-driven interface
- Secure xterm.js console, supporting SSL
- Seamless integration and management of Proxmox HA Cluster
- Simple support subscription management via GUI updates
- Download quarantined message in .eml format

MOBILE USER INTERFACE

- Based on Framework7
- Check Delivery/Whitelist/Blacklist/Delete emails in the quarantine from a mobile device

RESTFUL API

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

PROXMOX HIGH AVAILABILITY CLUSTER

- 100% secure email system for business continuity
- High performance thanks to unique application level clustering scheme



KEY FEATURES

- Master node and several slave nodes
- Central management configuration via GUI
- Fully redundant storage
- Synchronization of configuration and data to all cluster nodes via VPN (using SSH)

SPAM 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 the administrators

USER MANAGEMENT

- Role-based access control scheme
- 3 types of users/accounts such as Local user, LDAP/Active Directory, and Fetchmail
- Several roles: Superuser – Administrator - Quarantine Manager - Auditor

SPAM DETECTION

- Receiver verification
- Before-Queue or After-Queue filter
- DKIM Signing
- Sender policy framework (SPF)
- DNS-based Blackhole List
- SMTP Whitelist
- Bayesian Filter – Automatically trained statistical filters
- Black- and Whitelists
- Autolearning Algorithm
- Spam Uri Realtime BlockList (SURBL)
- Greylisting
- SMTP Protocol Tests

VIRUS DETECTION

- Integrated open-source antivirus engine ClamAV®, third party virus scanners as an option
- 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
- Build software RAID-Z using ZFS
- Enables high performance SSD Hybrid Storage Pools
- Support for high storage capacities

BACKUP/RESTORE

- Backup/restore via GUI
- Backup for the complete configuration, the mail filter rules, and for statistic database

COMMAND LINE INTERFACE

- Manage all components of your Mail Gateway
- CLI with intelligent tab completion and full UNIX man page documentation

IPV4 AND IPV6

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



LEARN MORE

Documentation: <https://pmg.proxmox.com/wiki>

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.maurer-it.com>

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

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HELP AND SUPPORT

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

ABOUT PROXMOX

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