

Project PegaProx



Project PegaProx - An open-source multi-cluster Proxmox VE manager with extended enterprise features.

A non-commercial project by Nico Schmidt, Marcus Kellermann, Laura Weber & Florian Paul Azim Hoberg (@gyptazy).



Who's gyptazy?



Florian Paul Azim Hoberg

- Known as **gyptazy** in the tech community
- Working at **credativ GmbH** in Mönchengladbach, Germany
- Technical Lead / Sr. Consultant
- FOSS Contributor
- Loves FreeBSD



Garden Linux

Developer & Maintainer at the Garden Linux project. Mostly working on ARM64, SELinux and PyTest.



Ansible Modules

Developing & contributing powerful Ansible modules for infrastructure management.



ProxLB

Founder & lead developer of this innovative load balancing solution for Proxmox environments.



BoxyBSD

Founder & lead developer of the BoxyBSD project. Providing free VPS instances to newcomers & beginners to learn and practice BSD based system.

What is PegaProx?

A powerful web-based management interface for Proxmox VE and XCP-ng clusters. Manage multiple clusters from a single, unified dashboard.



Multi-Cluster Management

Unified dashboard for all Proxmox & XCP-ng clusters with live CPU, RAM, and storage metrics via real-time monitoring.



VM & Container Management

Full lifecycle control: start/stop, snapshots, backups, live migration, load balancing, high availability, and browser-based console (noVNC/xterm.js).



Security & Access Control

Role-based access, 2FA (TOTP), LDAP/OIDC, multi-tenancy, IP whitelisting, AES-256-GCM encryption, and CIS hardening.



Automation & Monitoring

Scheduled tasks, rolling node updates, alerting, audit logging, CVE scanning, Ceph management, and Let's Encrypt SSL.



XCP-ng & ESXi Support

Connect XCP-ng pools and migrate VMs from ESXi with near-zero downtime or offline migration.



Plugins & Extensibility

Client self-service portal, public status page, multi-language support (EN, DE, FR, ES, PT, KO), dark mode, and mobile-responsive UI.



PegaProx for Proxmox VE grows up!

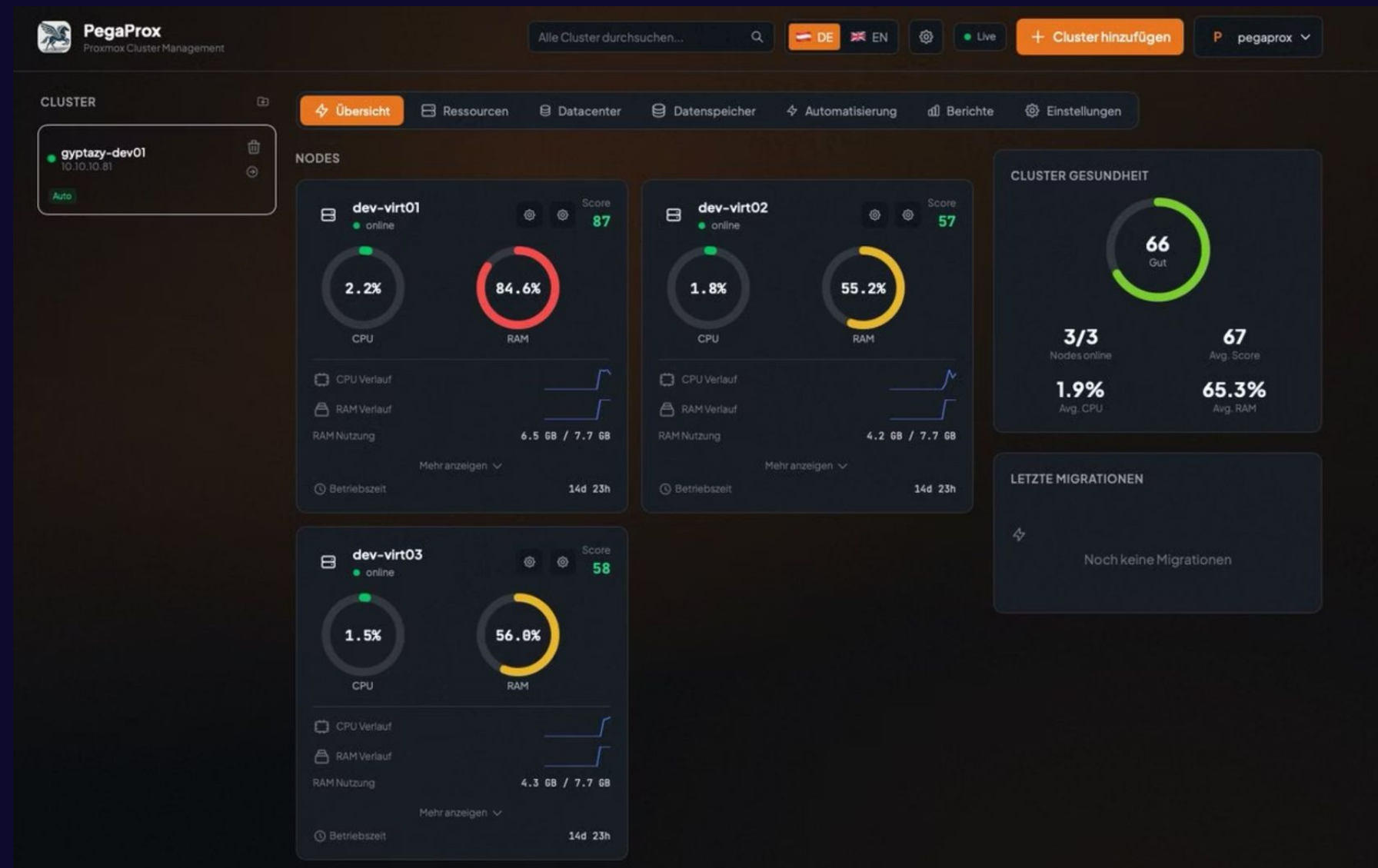
We took your feedback seriously...



How to manage this shitty AI slop?

```
32318
32319     Env vars:
32320         PEGAPROX_ALLOWED_ORIGINS  cors origins
32321         PEGAPROX_MAX_REQUEST_SIZE max request size (default 10MB)
32322         PEGAPROX_HTTP_PORT        http port for redirect (default 80)
32323         """)
32324     else:
32325         debug_mode = '--debug' in sys.argv
32326         # print(f"starting with debug={debug_mode}") # DEBUG
32327         main(debug_mode=debug_mode)
32328
32329 # thats it - NS
```

"Be careful who you call ugly in high school..."



What a beauty!

The screenshot displays the PegaProx management interface for a cluster named 'de-ne01-dev-gyptazy02'. The interface is dark-themed and includes a navigation menu on the left, a top navigation bar, and a main content area with several summary cards and detailed views.

Navigation and Search: The top bar includes the PegaProx logo, navigation links (All, de-ne01-dev-gyptazy02, Overview), a search bar, and utility icons for keyboard shortcuts, settings, language (EN - English), and user profile.

Cluster Overview Summary:

- Overview:** de-ne01-dev-gyptazy02 (Online)
- CLUSTER CPU:** 0.9% (2 nodes)
- CLUSTER MEMORY:** 24.5% (3.2 GB / 13.2 GB)
- CLUSTER STORAGE:** 8.0% (12.5 GB / 155.3 GB)
- VMS / CTS:** 2 / 2 (2 running of 2)
- Nodes:** 2/2 online | Quorum: Quorum OK

Nodes Table:

Node Name	CPU	RAM	Score	Age
dev-gyptazy-c02-...	1.0%	24.4%	25.4	11d 11h
dev-gyptazy-c02-...	0.8%	24.5%	25.3	11d 11h

TOP CONSUMERS:

Process	CPU	Memory
1. prod-mssql02	0.0%	25M
2. prod-mssql01	0.0%	24M

RECENT TASKS:

Task Name	Target	Time
aptupdate	dev-gyptazy-c02-n02	3h ago
aptupdate	dev-gyptazy-c02-n01	3h ago
aptupdate	dev-gyptazy-c02-n02	1d ago
aptupdate	dev-gyptazy-c02-n01	1d ago
aptupdate	dev-gyptazy-c02-n01	2d ago
aptupdate	dev-gyptazy-c02-n02	2d ago
aptupdate	dev-gyptazy-c02-n02	3d ago
aptupdate	dev-gyptazy-c02-n01	3d ago

CLUSTER HEALTH: 87 Excellent | Nodes Online: 2/2 | CPU: 0.9% | RAM: 24.5%

LAST MIGRATIONS: No migrations yet

Left Sidebar (CLUSTERS):

- All Clusters
- Topology
- Hypervisor Migration
- nl-egl01-prod-boxybsd01 (OFFLINE)
- de-fra01-prod-boxybsd01 (OFFLINE)
- de-fra01-prod-boxybsd02
- de-ne01-prod-gyptazy01
- de-ne01-dev-gyptazy-xc... (XCP - Tech Preview)
- de-ne01-dev-gyptazy01
- de-ne01-dev-gyptazy02** (Selected)
- dev-gyptazy-c02-n01
- dev-gyptazy-c02-n02
- prod-mssql01
- prod-mssql02
- us-nyc01-prod-boxybsd01

Left Sidebar (BACKUP SERVERS):

- de-ne01-backup01
- de-ne01-backup02

Left Sidebar (RECENT):

- matrix01.int.gyptazy.com (127)
- dev-gyptazy-c01-n01
- dev-pgsq01 (102)
- dev-pgsq03 (103)
- prod-proxy01 (104)
- dev-gyptazy-xcp01
- dev-gyptazy-c01-n03
- dev-gyptazy-c01-n02

History of Project PegaProx

- Founded the project by Nico Schmidt
- Marcus Kellermann & Laura Weber joined the project
- Crafted a vibe-coded base
 - Python, Flask, React

Late 2025

1

2

First Feature Stage

- Florian Paul Azim Hoberg (@gyptazy) joined the project as core contributor
- Discussing and setting license to AGPL-3
- Integrating Prox-Tools collections (ProxLB, ProxPatch, ProxCLMC, ProxSnap,...)

Early 2026

3

- First public announcement by @gyptazy (20th, Jan 26)
- Code publication on GitHub by @Nico (25th, Jan 26)
 - 30k+ lined monolithic frontend
 - 30k+ lined monolithic backend
- Shipping artifacts as:
 - LXC Appliance (via ggyptazy & bunny CDN)
 - VM Appliance (via ggyptazy & bunny CDN)
 - curl \$foo | bash (why is this still a thing again?)

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Review & Improvement Stage

- Code split (27th, Feb 26)
 - Modular code base (hey, no more merge conflicts!)
- Started official project website: Pegaprox.com
- Added automated artifact pipelines
- Added Debian packages & repository
- Added Docker Image
- Sponsors

Second Feature Stage - NOW

5


- Multi-Tenancy Support
- XCP-ng, Proxmox Backup Server, ESXi Support (incl. llive-migration)
- Ceph DR, Cross-Cluster live migrations, Snapshot Replication
- Centralized syslog Integration
- [...]

A stylized logo featuring a dark teal horse head profile on the right, facing right. The horse's body is composed of white and light teal geometric shapes, including lines and rectangles, suggesting a circuit board or digital architecture. The background is a dark blue gradient with a subtle light glow at the top.

**"I'd still say Proxmox is for homelabs
without PegaProx!"**

(Quote by a customer in Feb 2026)


Demo Time! Let's jump in...



PegaProx
PegaProx Cluster Management for Proxmox VE







Sign in to PegaProx

Username
pegaprox

Password
..... 

Remember me

Sign In

 DE  EN  FR  ES  PT  KO

PegaProx Cluster Management Beta 0.9.5

Questions?

Thanks!



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