

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 **cre^dativ GmbH** in Mönchengladbach, Germany
- Head of Virtualization
- 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 grew 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!

History of Project PegaProx





**"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

Password

 

☐ Remember me

Sign In

 DE

 EN

 FR

 ES

 PT

 KO

PegaProx Cluster Management Beta 0.9.5

One more thing...



Commercial Support for Enterprises

EXPERTIZE :OCCENTUS_



PegaProx – Multi-Cluster Management für Proxmox VE

mit Nico Schmidt



ABSTRACT

Wer Proxmox VE produktiv betreibt, kennt die Lücken: Sobald mehr als ein Cluster läuft, wird die Verwaltung zur Klick-Orgie. Workloads über Cluster hinweg ausbalancieren? Halbautomatisch. Compliance-Mapping für BSI IT-Grundschutz oder NIS2? Bastelei. SSO mit Entra ID, WebAuthn oder ein unverfälschter Audit-Log? Eigenleistung.

Statt darauf zu warten, dass jemand das löst, haben wir es selbst gebaut. PegaProx ist eine kostenlose Open-Source-Management-Plattform für Proxmox VE (AGPL-3.0), getragen vom Open Source Collective. Sie verwaltet heute dutzende Cluster aus einer Oberfläche, balanciert Workloads automatisch (powered by ProxLB), verifiziert Backups vollautomatisch (Restore → Boot → Health-Check → Cleanup), bringt ein Compliance-Dashboard mit BSI/NIS2/ISO-27001-Mapping mit – und trackt Kosten und CO₂-Footprint pro VM.

ÜBER DEN SPEAKER

Nico Schmidt

Nico Schmidt ist Lead Developer und Founder von PegaProx, einer Open-Source-Management-Plattform für Proxmox VE, getragen vom Open Source Collective. Er treibt die Kern-Architektur des Projekts voran, ist Infrastructure-Enthusiast mit Faible für Automatisierung und sauberen Code, und hat genug Proxmox-Cluster gesehen, um zu wissen, wo es weh tut. Aktiv in den Communities rund um Proxmox VE, ProxLB und CEPH.



Questions?

Thanks!



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