Project PegaProx

A real multi-cluster manager for Proxmox®

―

Who are we?

More about credativ GmbH & me

Who is credativ GmbH?

credativ

- Founded in 1999
    - Acquired by NetApp in 2022
    - Independent again since 2025
    - Located in Mönchengladbach, Germany

- ~40 Employees
    - Offering support & service in English & German
    - Many ones are active contributors to various open-source projects

- Professional support for open-source solutions & products
    - Including 24x7 support

- Consulting services, managed services

- Training for businesses adopting open-source solutions

- Focusing on delivering open-source solutions tailored to clients

- Known for our expertise in open-source technologies
    - Highlighting Ansible, Debian, PostgreSQL, Proxmox
    - Supporting & sponsoring open-source events & conferences

Who am I?

credativ

- ## Overview
  - Florian Paul Azim Hoberg @gyptazy
  - Technical Lead Virtualization at **credativ GmbH**

- ## OpenSource
  - Known as **gyptazy** in the open-source community
  - Focusing on BSD based systems (e.g., FreeBSD)
  - Founder & Developer of **BoxyBSD** VPS hosting platform
  - Developer of **ProxLB**, **ProxPatch**, **ProxCLMC**, **ProxSnap** & **ProxWall** for Proxmox Clusters
  - Contributor at **PegaProx**
  - **Ansible** & Garden Linux Upstream Developer

Multi-Cluster Management in Proxmox®

Everyone knows VMware vCenter – but what is available for Proxmox VE environments?

credativ

Proxmox® Multi-Cluster Manager

Proxmox® Datacenter Manager

PegaProx

Proxcenter

Proxmox ® Multi-Cluster Manager

	PDM	Proxcenter	PegaProx
Open-Source	Yes	Partial (Open-Core)	Yes
Cluster Mgmt.	Observation only	Yes	Yes
Node Mgmt. (incl. Patch Mgmt)	Observation only	Yes	Yes
VM Mgmt.	Observation only	Yes	Yes
Cross-Cluster Migration	No	Yes	Yes
High Availability	No	Yes	Yes
DRS / Storage DRS	No / No	Yes / No	Yes / Yes

PegaProx

Open-Source Multi-Cluster Manager for Proxmox® Clusters

PegaProx – Team & Committer

Core Developers

Nico Schmidt

Marcus Kellermann

Laura Weber

Core Contributors

Florian Paul Azim Hoberg @gyptazy

Alexandre Derumier @aderumier

PegaProx - Features

Cross-Cluster Migration
Seamlessly migrate VMs between different Proxmox VE clusters with zero downtime. Full support for live migration with automatic resource verification.

VM Management
Complete virtual machine lifecycle management. Create, clone, snapshot, backup, and restore VMs across your entire infrastructure.

Node Management
Monitor and manage all your Proxmox VE nodes from one place. Real-time health metrics, resource utilization, and maintenance scheduling.

Intelligent Load Balancing
Automatic workload distribution across nodes and clusters. Smart algorithms ensure optimal resource utilization and performance.

High Availability
Enterprise-grade HA with automatic failover. Keep your workloads running even when nodes fail with intelligent VM placement.

LDAP & OIDC Authentication
Enterprise SSO support with LDAP, Active Directory, and OIDC (including Microsoft Entra ID). Integrate seamlessly with your existing identity infrastructure.

Storage Balancing
Automatic distribution and optimization of storage space across all nodes for maximum efficiency and fault tolerance.

User Management
Granular role-based access control. Define permissions at cluster, node, or VM level with full audit trails.

PegaProx – Features: Closing the Gaps

Live Demonstration!

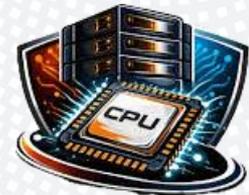Hands-on on PegaProx with multiple PVE clusters

Thank you!

Questions?

Author: Florian Paul Azim Hoberg

Nick: gyptazy

Email: florian.hoberg@credativ.de

             gyptazy@gyptazy.com

Web: gyptazy.com

GPG: 0xB1B88CBB

Fediverse: @gyptazy@gyptazy.com

Matrix: @gyptazy:gyptazy.com