COD Firewall Module

Multi-Vendor Firewall & VPN Overview

Anyone managing multiple sites or tenants quickly gets lost in “interface hopping” between individual firewall GUIs. The **COD Firewall Module** consolidates status, reachability, aliases, zones and VPNs of different firewall systems in a single multi-tenant interface, on-premise. Live integration (API access, reachability, self-registration, VPN) is designed for **OPNsense**.

At a glance: cross-vendor overview for **AIMdefense, OPNsense, pfSense, DynFi** • status, firmware & update level, certificate expiry • central alias repository with zone concept • VPN overview (WireGuard/OpenVPN/IPsec) • reachability per firewall • multi-tenant.

Multi-Vendor Overview & Self-Registration

AIMdefense, OPNsense, pfSense and **DynFi** in a single multi-tenant interface. The firewall dashboard shows status, availability, firmware/update level, certificate expiry and a cross-vendor VPN overview. New OPNsense firewalls register themselves via an on-box plugin and appear under **Pending Firewalls** for approval (approve/reject). On the L3 topology, firewalls appear as dedicated nodes.

Reachability of Every Firewall at a Glance

ICMP and TCP reachability checks (via `fping`), on a schedule, with per-tenant e-mail notification in case of an outage. Configurable per firewall: **failure threshold** before the outage e-mail (to counter flapping), **e-mail suppression** and a **snooze**-until date. Two columns show the last ten TCP/ICMP probes with a status dot.

Central Alias & Zone Management

Maintain aliases (IPs, networks, ports) centrally and write them back to selected firewalls. A **reference safety check** detects nested references across system boundaries and prevents accidental deletion of objects still in use. With the **zone concept** you group firewalls by site/security zone. New aliases are distributed automatically to all associated devices.

VPN Overview & Security

Manage **WireGuard, OpenVPN** and **IPsec**, including a topology view. COD provides active outage alerting for **IPsec** (Dead Peer Detection) and for firewall reachability. WireGuard/OpenVPN are tracked via their connection status. Certificate expiry and CA chains are monitored, and API credentials are stored **encrypted at rest** (AES-256-GCM).

Firewalls under central control. See COD live in your environment, no sales pressure.

extoco.de • extocode GmbH