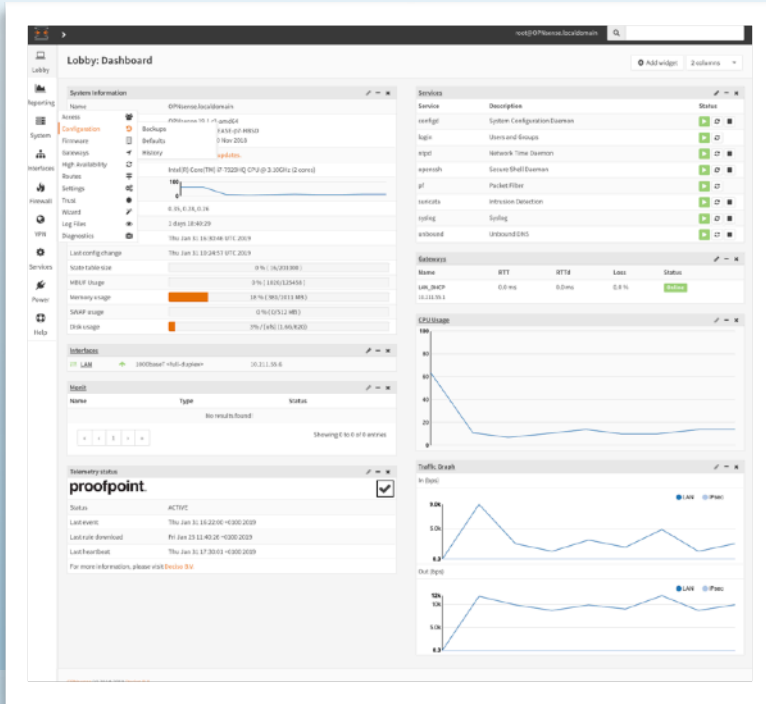




OPNsense® Business Edition

Just the firewall a professional is looking for



OPNsense Business Edition is intended for companies, enterprises and professionals looking for a more selective upgrade path (lags behind the community edition), additional commercial features and who want to support the project in a more commercial way compared to donating.



OPNsense®

- ✓ Commercial firmware repository, offering a selective upgrade path
- ✓ Access to the official OPNsense Open Virtualization Format Image (OVA)
- ✓ Free access to selected professional plugins¹ such as:
 - OPNcentral**, offering centralized upgrades and firewall status monitoring
 - Websproxy access management**, fine grained access control for users and groups.
- ✓ Free E-Book “Practical OPNsense” available in English & German
- ✓ Can be combined with Proofpoint® ET Pro Ruleset (separate product), a timely and accurate ruleset for detecting and blocking advanced threats
- ✓ Up to 20% discount on base support Subscription (Business Support Subscription)²

12 Month Subscription

€ 149

36 Months Subscription

€335 (Saves 25%)

¹ Some plugins may require additional (content) licenses

² Discount doesn't apply to extra hour blocks

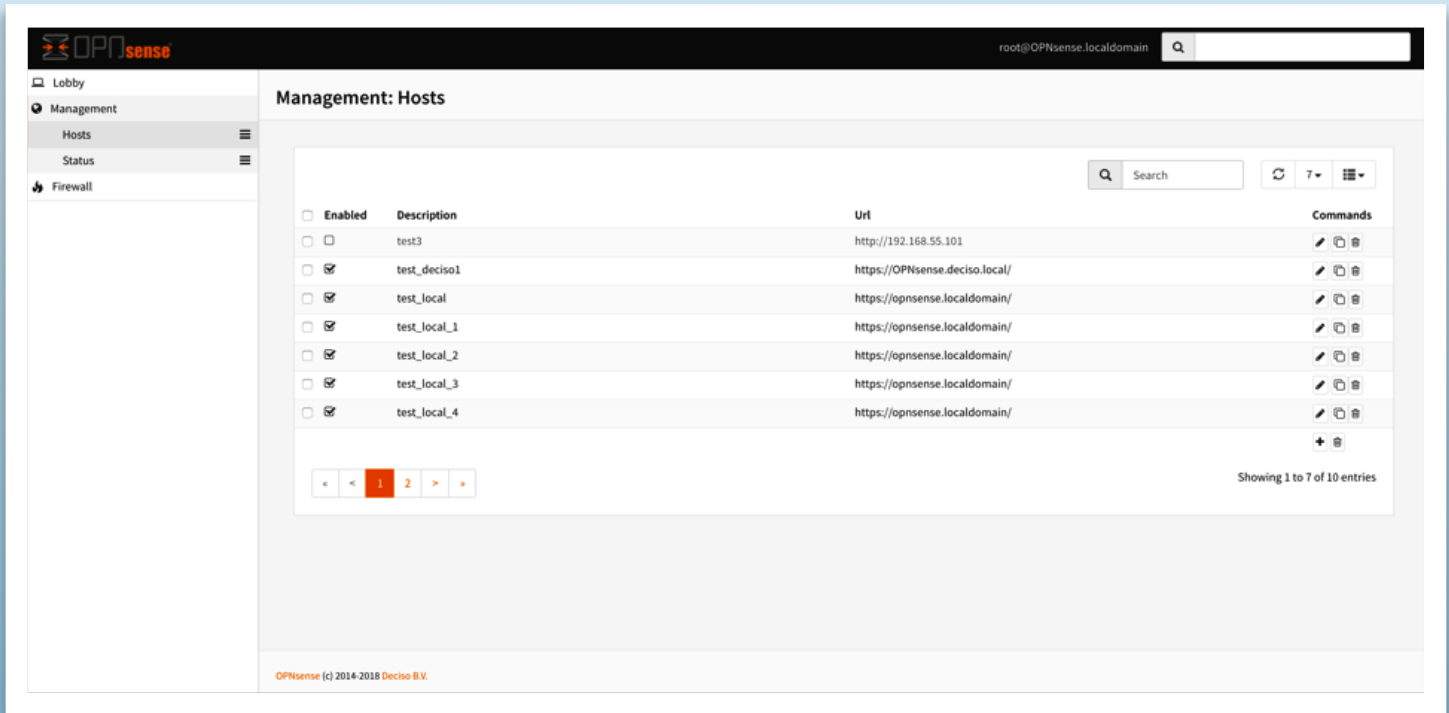
Securing Networks™

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OPNcentral is a centralized management plugin, it utilizes OPNsense's restAPI to offer a range of centralized features. Currently the product is a work in progress, more features will gradually become available.



- Manage remote hosts using a secure connection and API secrets
- Check remote hosts, list firmware version and connection state
- Access remote hosts with one click on a simple GUI link
- Upgrade remote hosts; select one or multiple hosts and trigger the upgrade procedure centrally



Stateful firewall

- Filter by
 - Source
 - Destination
 - Protocol
 - Port
 - OS (OSPF)
- Limit simultaneous connections on a per rule base
- Log matching traffic on a per rule bases
- Policy Based Routing
- Packet Normalisation
- Option to disable filter for pure router mode

Policy organisation

- Alias Support
 - IP addresses
 - Port ranges
 - Domain names (FQDN)
 - Geolite2 Country IP
- Interface Groups
 - Create security zones with equal rules
- Rule Category
 - Easy access rule sets

Granular control state table

- Adjustable state table size
- On a per rule bases
 - Limit simultaneous client connection
 - Limit states per host
 - Limit new connections per second
 - Define state timeout
 - Define state type
- State types
 - Keep
 - Sloppy
 - Modulate
 - Synproxy
 - None
- Optimisation options
 - Normal
 - High latency
 - Aggressive
 - Conservative

Authentication

- External Servers
 - LDAP
 - Radius
- Integrated Servers
 - Local User Manager
 - Vouchers / Tickets
 - FreeRadius (Plugin)

Authorisation

- User Interface
 - Local User Manager

Accounting

- FreeRadius (Plugin & External)
- Vouchers / Tickets

2-Factor Authentication

- Supports TOTP
- Google Authenticator

Certificates

- Certificate Authority
 - Create or Import CA's
 - Create or Import Certificates
- Let's Encrypt (Plugin)
 - Automated (Trusted) CA

802.1Q VLAN support

- max 4096 VLAN's

Link Aggregation & Failover

- Failover
- Load Balance
- Round Robin
- Cisco Ether Channel (FEC)
- 802.3ad LACP

Other Interface types

- Bridged interfaces
- Generic Tunnel Interface (GIF)
- Generic Routing Encapsulation

Network Address Translation

- Port forwarding
 - 1:1 of ip's & subnets
 - Outbound NAT
 - NAT Reflection
- ### Traffic Shaping
- Limit bandwidth
 - Share bandwidth
 - Prioritise traffic
 - Rule based matching
 - Protocol
 - Source
 - Destination
 - Port
 - Direction

IGMP Proxy

- For multicast routing

Universal Plug & Play

- Fully supported

Dynamic DNS (Plugin)

- Selectable form a list
- Custom
- RFC 2136 support

DNS Forwarder

- Host Overrides
- Domain Overrides

DNS Server

- Host Overrides
 - A records
 - MX records

- Access Lists

DNS Filter

- Supports OpenDNS

DHCP Server

- IPv4 & IPv6
- Relay Support
- BOOTP options

Multi WAN

- Load balancing
- Failover
- Aliases

Load Balancer

- Balance incoming traffic over multiple servers

Network Time Server

- Hardware devices
 - GPS
 - Pulse Per Second

Intrusion Detection & Prevention

- Inline Prevention
- Integrated rulesets
 - SSL Blacklists
 - Feodo Tracker
 - Emerging Threats ETOpen
 - ET Pro Telemetry (Optional / free subscription offered by Deciso)
- SSL Fingerprinting
- Auto rule update using configurable cron
- ET Pro ruleset (paid subscription)

Captive Portal

- Typical Applications
 - Guest Network
 - Bring Your Own Device (BYOD)
 - Hotel & Camping Wifi Access
 - Template Management
 - Multiple Zones
- Authenticators
 - All available authenticators
 - None (Splash Screen Only)
- Voucher Manager
 - Multiple Voucher Databases
 - Export vouchers to CSV
- Timeouts & Welcome Back
- Bandwidth Management
 - Use Traffic Shaper
- Portal bypass
 - MAC and IP whitelisting
- Real Time Reporting
 - Live top IP bandwidth usage
 - Active Sessions
 - Time left
 - Rest API

Virtual Private Networks

- IPsec
 - Site to Site
 - Route based (tunnel)
 - Road Warrior
- OpenVPN
 - Site to Site
 - Road Warrior
 - Easy client configuration exporter
- Tinc (Plugin)
 - Full mesh routing
- ZeroTier (Plugin)
 - VPN, SDN & SD-WAN
- WireGuard (Beta Plugin)
- PPTP / L2TP (Legacy)

High Availability

- Automatic hardware failover
- Synchronised state table
- Configuration synchronisation

Caching Proxy

- Multi interface
- Transparent Mode
- Support SSL Bump
- SSL Domain only (easy filtering)
- Access Control Lists
- Blacklists
- Category Based Web-filter
- Traffic Management
- Auto sync for remote blacklists
- ICAP (supports virus scan engine)

Virus scanning

- External engine support (ICAP)
- ClamAV (Plugin / C-ICAP)

Reverse Proxy

- HAProxy - Load balancer (Plugin)

Online Identity Protection

- Tor - Anonymity online (Plugin)

Backup & Restore

- History & Diff support
- File Backup
- Cloud Backup

SNMP

- Monitor & Traps

Diagnostics

- Filter reload status
- Firewall Info (pfInfo)
- Top Users (pfTop)
- Firewall Tables
 - Aliases
 - Bogons

- Current Open Sockets

- Show All States

- State Reset

- State Summary

- Wake on LAN

- ARP Table

- DNS Lookup

- NDP Table

- Ping

- Packet Capture

- Test Port

- Trace route

Monitoring

- Zabbix Agent (Plugin)

- Monit (Plugin)

- OPNcentral (Comercial Plugin)

Enhanced Reporting

- Network Flow Analyser 'Insight'
 - Fully Integrated
 - Detailed Aggregation
 - Graphical Representation
 - Clickable and Searchable
 - CVS Exporter
- System Health
 - Round Robin Data
 - Selection & Zoom
 - Exportable

- Traffic Graph
 - Live Traffic Monitoring

Network Monitoring

- Netflow Exporter
 - Version 5 & version 9
 - Local for 'Insight'

Firmware

- Support Virtual Installs
 - VMware tools (Plugin)
 - Xen Guest Utilities (Plugin)
- Easy Upgrade
 - Reboot warning for base upgrades
- SSL Flavour is fixed to OpenSSL for the Business Edition
- Selectable Package Mirror
- Reinstall Single Package
- Lock Package (prevents upgrade)
- Audit Feature
 - Check installed packages for known security vulnerabilities

- Plugin Support

REST API

- ACL support

Online Documentation

- Free & Searchable