



## OpenBSD Firewall Technical Specifications v0.2

### Networking

- Advanced routing protocols, including BGP, OSPF, RIP
- GRE tunneling
- Source Based Routing
- 802.1Q VLAN support
- Traffic shaping (QoS)

### HA and Load Balancing

- Firewall Failover with pfsync and CARP
- VPN/Firewall session synchronization
- Encrypted HA Traffic
- Redundant Interface with Trunk
- ISP Load Balancing

### Firewall

- Dynamic Stateful inspection firewall
- Nat (Network Address Translation)
- PAT (Port Address Translation)
- Policy Based Routing
- Malformed Packet Protections
- DOS Prevention with syn proxy
- User based rules / User Authentication
- Bandwidth management
- Policy Filtering (Packet Tagging)
- Layer 2 Mode (Transparent Mode) Firewalling

### VPN

- IPsec VPN tunneling with DES/3DES encryption
- Ipsec NAT Traversal
- Dead peer detection
- Pre-shared secrets

### Logging

- Pcap formatted fast logging
- Multiple Log target
- Logging to a syslog server

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