

# PFsense Administrator Training

1. Introduction
  - Project history and overview, hardware selection, etc.
2. pfSense, The Basics
  - We cover installation, configuration, GUI, backup, restore, upgrades and interfaces.
3. The Firewall
  - Basic rules, aliases, best practices, interface grouping, and advanced firewall options.
4. NAT 101
  - Interaction with firewall rules, port forwards, 1:1 NAT, and outbound network address translation.
5. Services
  - DHCP and relay, DNS forwarding, dynamic DNS, SNMP, NTP server, Wake on LAN.
6. VPN
  - Overview, selecting the appropriate VPN, remote access with IPsec, OpenVPN and PPTP, Site to Site with IPsec and OpenVPN.
7. Multi-WAN
  - Overview, best practices, failover and load balancing, policy routing, advanced options.
8. VLANs
  - Switch configuration, firewall configuration.
9. High Availability
  - Overview, network design considerations, basic CARP configuration, multi-WAN, multi-LAN
10. Miscellaneous Topics
  - Bridging, captive portal, system monitoring, package system overview.