

- 0) Logout / Disconnect SSH
- 1) Assign Interfaces
- 2) Set interface(s) IP address
- 3) Reset admin account and password
- 4) Reset to factory defaults
- 5) Reboot system
- 6) Halt system
- 7) Ping host
- 8) Shell
- 9) pfTop
- 10) Filter Logs
- 11) Restart GUI
- 12) PHP shell + pfSense tools
- 13) Update from console
- 14) Enable Secure Shell (sshd)
- 15) Restore recent configuration
- 16) Restart PHP-FPM

Enter an option: 8

```
[2.8.1-RELEASE][admin@pfSense.home.arpa]# ping 192.168.56.102
PING 192.168.56.102 (192.168.56.102): 56 data bytes
64 bytes from 192.168.56.102: icmp_seq=0 ttl=64 time=0.288 ms
64 bytes from 192.168.56.102: icmp_seq=1 ttl=64 time=0.289 ms
64 bytes from 192.168.56.102: icmp_seq=2 ttl=64 time=0.634 ms
64 bytes from 192.168.56.102: icmp_seq=3 ttl=64 time=0.304 ms
64 bytes from 192.168.56.102: icmp_seq=4 ttl=64 time=2.544 ms
^C
--- 192.168.56.102 ping statistics ---
5 packets transmitted, 5 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 0.288/0.812/2.544/0.876 ms
[2.8.1-RELEASE][admin@pfSense.home.arpa]#
```

```
Enter an option: 8
```

```
[2.8.1-RELEASE][admin@pfSense.home.arpal/root: ping 192.168.56.102
PING 192.168.56.102 (192.168.56.102): 56 data bytes
64 bytes from 192.168.56.102: icmp_seq=0 ttl=64 time=0.755 ms
64 bytes from 192.168.56.102: icmp_seq=1 ttl=64 time=1.214 ms
64 bytes from 192.168.56.102: icmp_seq=2 ttl=64 time=0.946 ms
64 bytes from 192.168.56.102: icmp_seq=3 ttl=64 time=1.250 ms
64 bytes from 192.168.56.102: icmp_seq=4 ttl=64 time=0.656 ms
^C
--- 192.168.56.102 ping statistics ---
5 packets transmitted, 5 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 0.656/0.964/1.250/0.238 ms
[2.8.1-RELEASE][admin@pfSense.home.arpal/root: ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8): 56 data bytes
64 bytes from 8.8.8.8: icmp_seq=0 ttl=255 time=89.150 ms
64 bytes from 8.8.8.8: icmp_seq=1 ttl=255 time=55.915 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=255 time=79.940 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=255 time=89.057 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=255 time=60.750 ms
^C
--- 8.8.8.8 ping statistics ---
5 packets transmitted, 5 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 55.915/74.962/89.150/14.068 ms
[2.8.1-RELEASE][admin@pfSense.home.arpal/root: ]
```

```
64 bytes from 192.168.56.102: icmp_seq=4 ttl=64 time=0.656 ms
^C
--- 192.168.56.102 ping statistics ---
5 packets transmitted, 5 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 0.656/0.964/1.250/0.238 ms
[2.8.1-RELEASE][admin@pfSense.home.arpal/root: ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8): 56 data bytes
64 bytes from 8.8.8.8: icmp_seq=0 ttl=255 time=89.150 ms
64 bytes from 8.8.8.8: icmp_seq=1 ttl=255 time=55.915 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=255 time=79.940 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=255 time=89.057 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=255 time=60.750 ms
^C
--- 8.8.8.8 ping statistics ---
5 packets transmitted, 5 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 55.915/74.962/89.150/14.068 ms
[2.8.1-RELEASE][admin@pfSense.home.arpal/root: traceroute 8.8.8.8
traceroute to 8.8.8.8 (8.8.8.8), 64 hops max, 40 byte packets
 1  10.0.2.2 (10.0.2.2)  1.021 ms  1.789 ms  1.123 ms
 2  * * *
 3  * * *
 4  * * *
 5  * * *
 6  *^C
[2.8.1-RELEASE][admin@pfSense.home.arpal/root: ]
```

```
134 packets received by filter
0 packets dropped by kernel
[2.8.1-RELEASE][admin@pfSense.home.arpa]#root: tcpdump -i em0
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
listening on em0, link-type EN10MB (Ethernet), snapshot length 262144 bytes
10:35:03.343654 IP6 fe80::a00:27ff:fe43:4f08 > fe80::2: ICMP6, echo request, id
61192, seq 915, length 9
10:35:03.345206 IP6 fe80::2 > fe80::a00:27ff:fe43:4f08: ICMP6, echo reply, id 61
192, seq 915, length 9
10:35:03.345675 IP 10.0.2.15 > 10.0.2.2: ICMP echo request, id 7006, seq 919, le
ngth 9
10:35:03.346706 IP 10.0.2.2 > 10.0.2.15: ICMP echo reply, id 7006, seq 919, leng
th 9
^C
4 packets captured
4 packets received by filter
0 packets dropped by kernel
[2.8.1-RELEASE][admin@pfSense.home.arpa]#root: tcpdump -i em1
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
listening on em1, link-type EN10MB (Ethernet), snapshot length 262144 bytes
^C
0 packets captured
0 packets received by filter
0 packets dropped by kernel
[2.8.1-RELEASE][admin@pfSense.home.arpa]#root:
```

```
exit
VirtualBox Virtual Machine - Netgate Device ID: 1900d9683e847c2a6aa1

*** Welcome to pfSense 2.8.1-RELEASE (amd64) on pfSense ***

WAN (wan) -> em0 -> v4/DHCP4: 10.0.2.15/24
                           v6/DHCP6: fd17:625c:f037:2:a00:27ff:fe43:4f08/64
LAN (lan) -> em1 -> v4/DHCP4: 192.168.56.102/24

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4) Reset to factory defaults    13) Update from console
5) Reboot system                14) Enable Secure Shell (sshd)
6) Halt system                  15) Restore recent configuration
7) Ping host                    16) Restart PHP-FPM
8) Shell

Enter an option: 8

[2.8.1-RELEASE][admin@pfSense.home.arpal/root: tcpdump -i em1
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
listening on em1, link-type EN10MB (Ethernet), snapshot length 262144 bytes
```