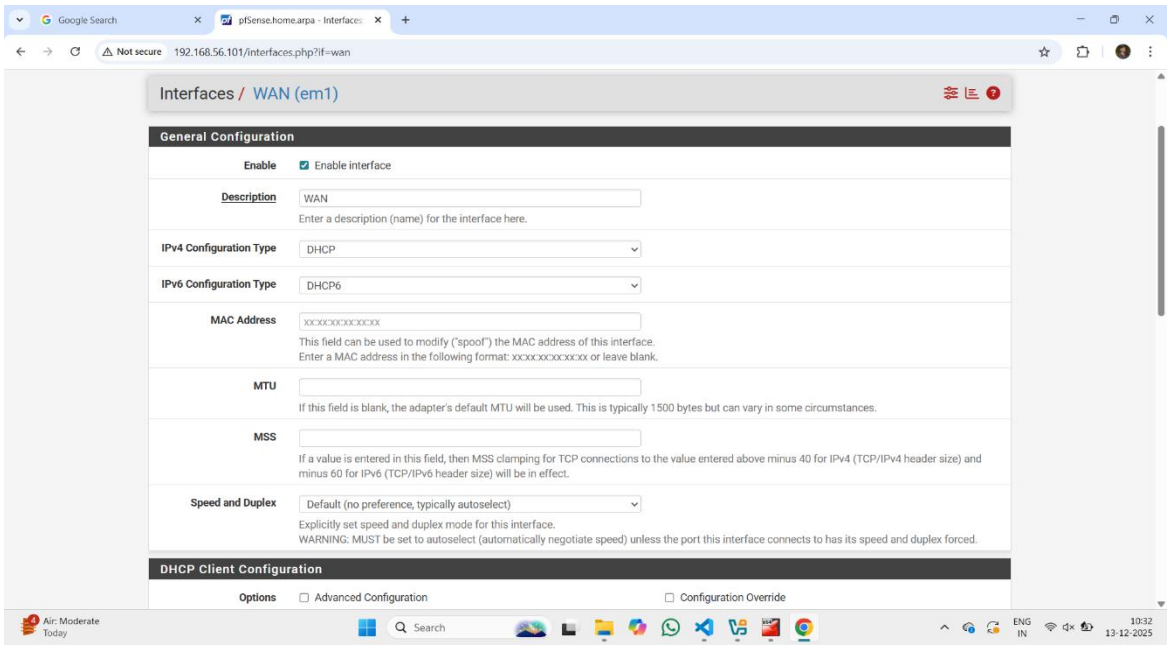
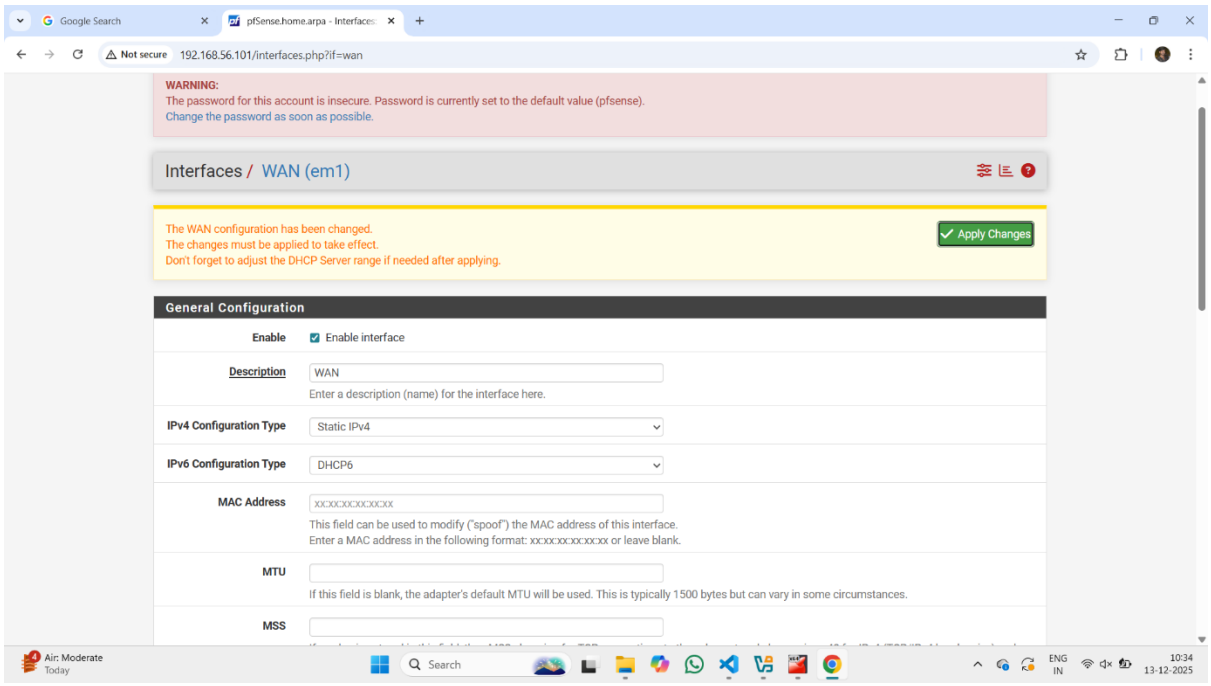
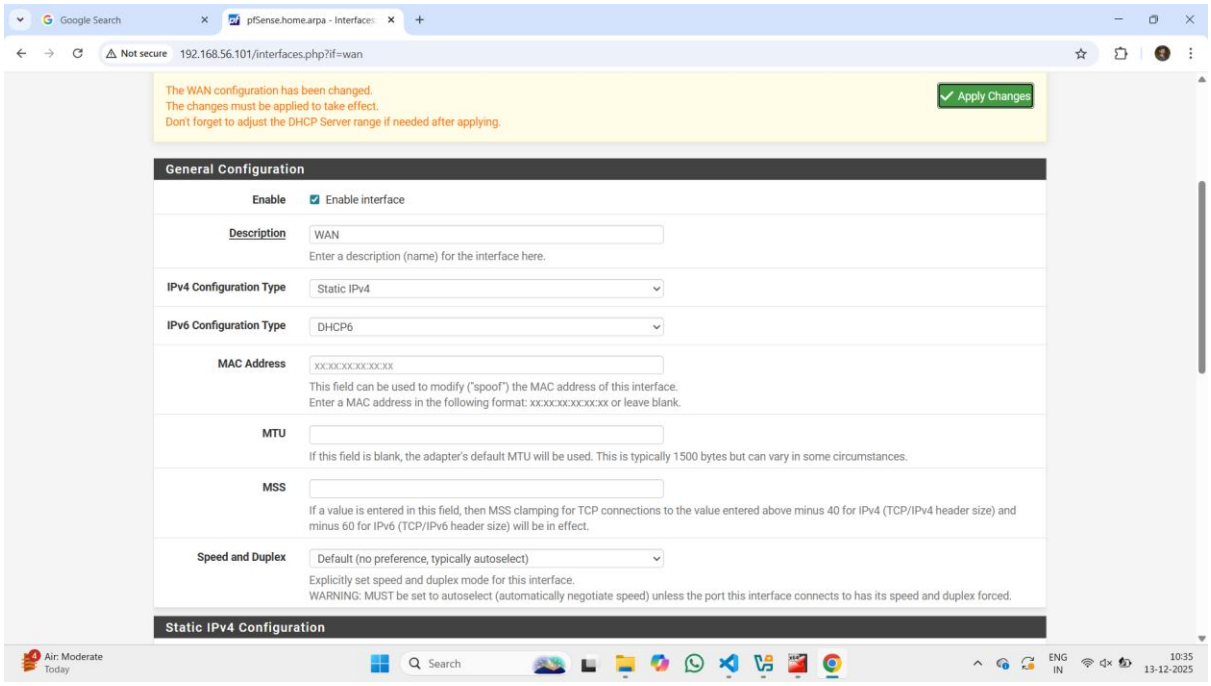
LAB 1 – Networking & Interface Configuration

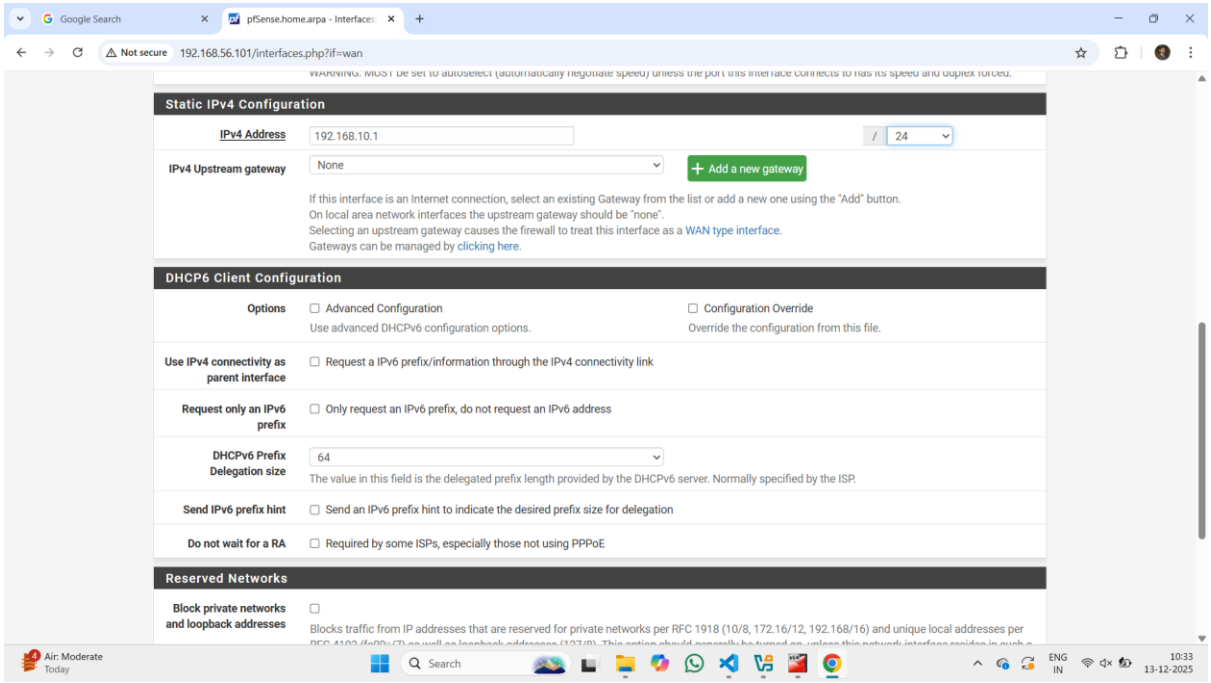






LAB 2 – Firewall Rule Logic & Policy Enforcement

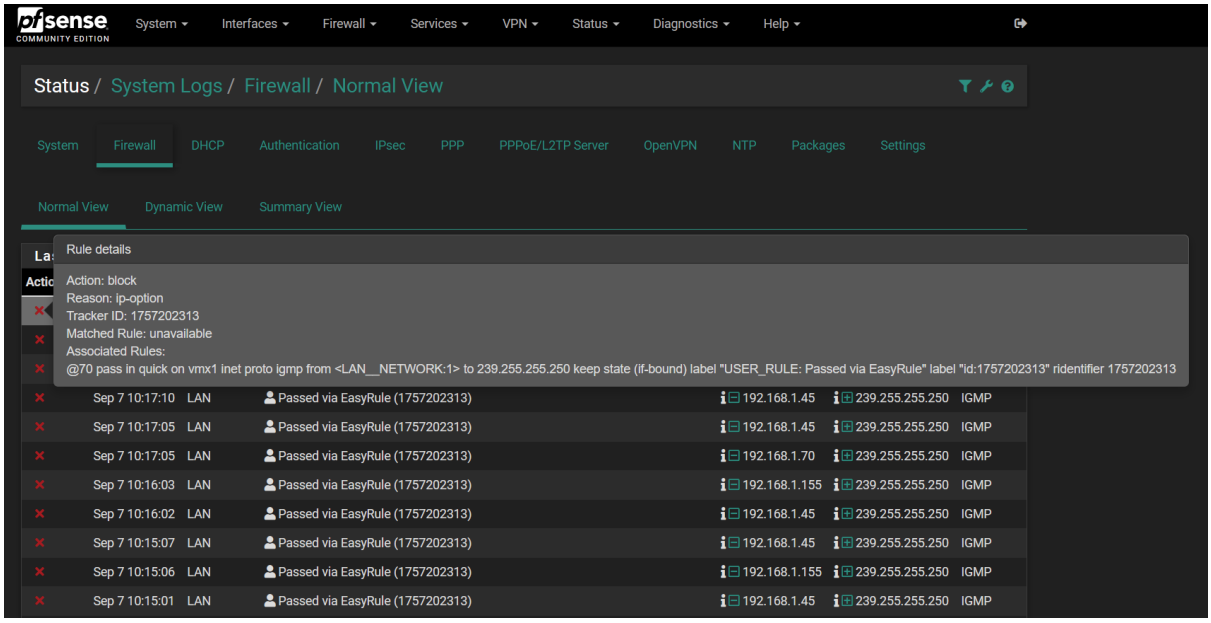
hhh

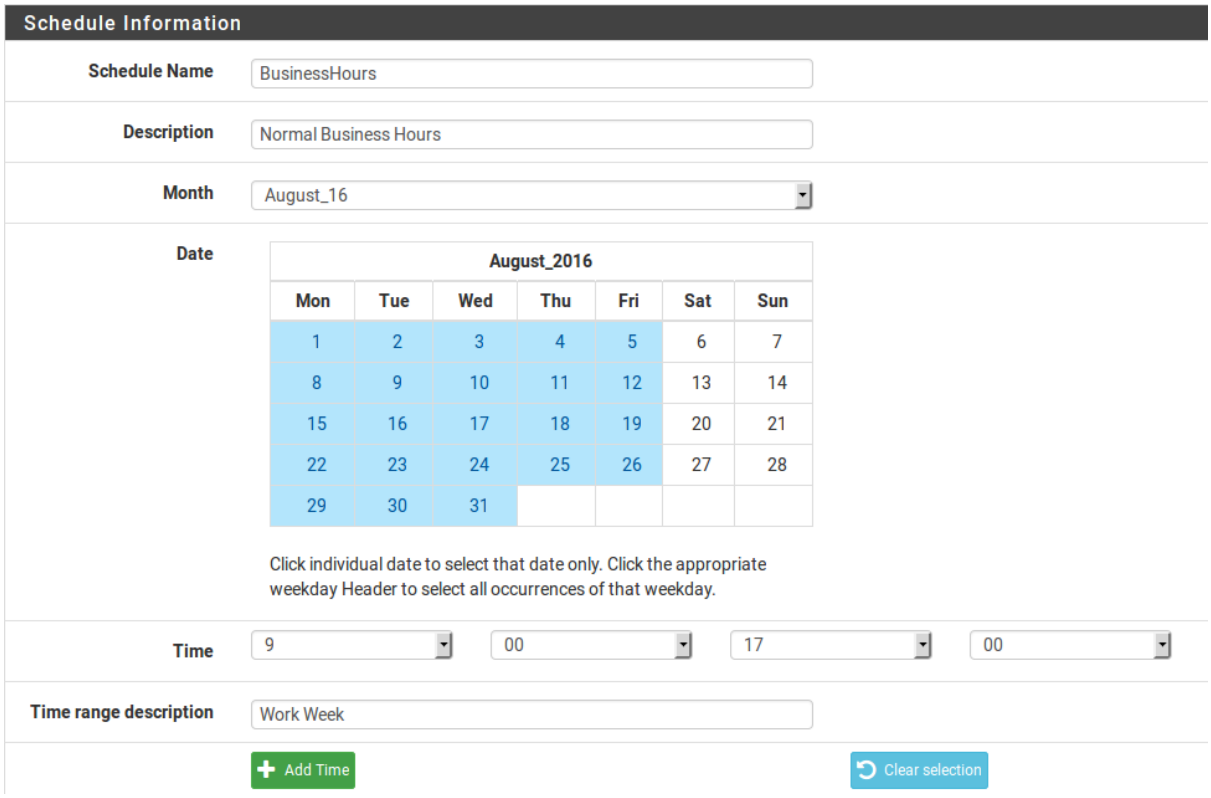


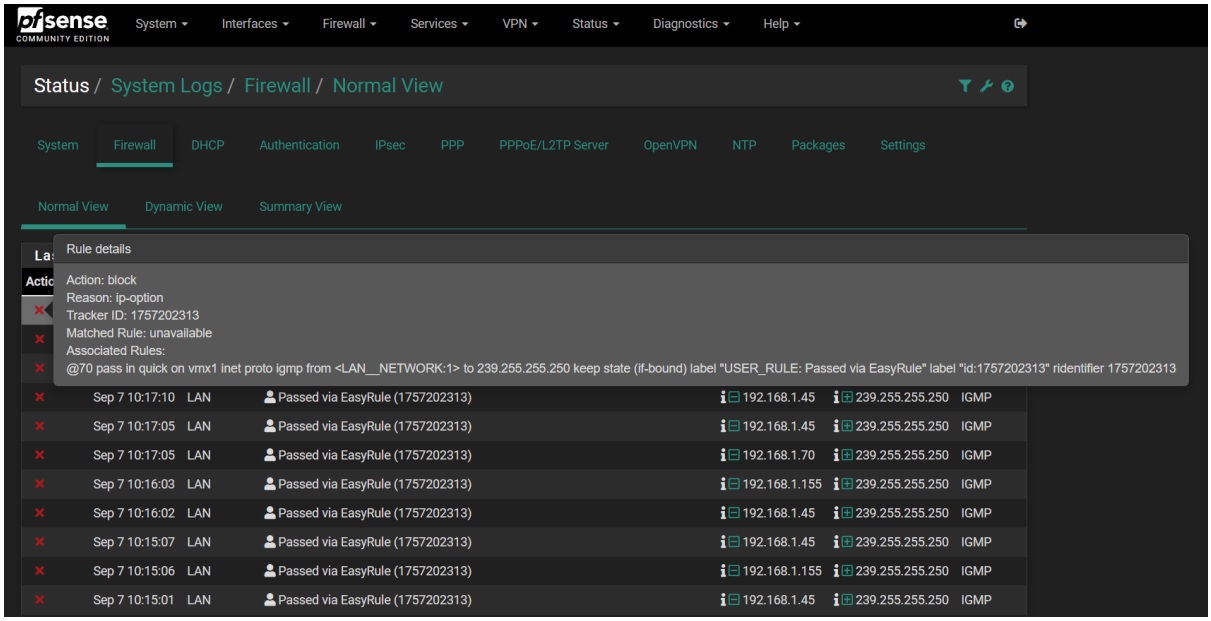
LAB 2 – Firewall Rule Logic & Policy Enforcement

17 matched log entries.Max(50)

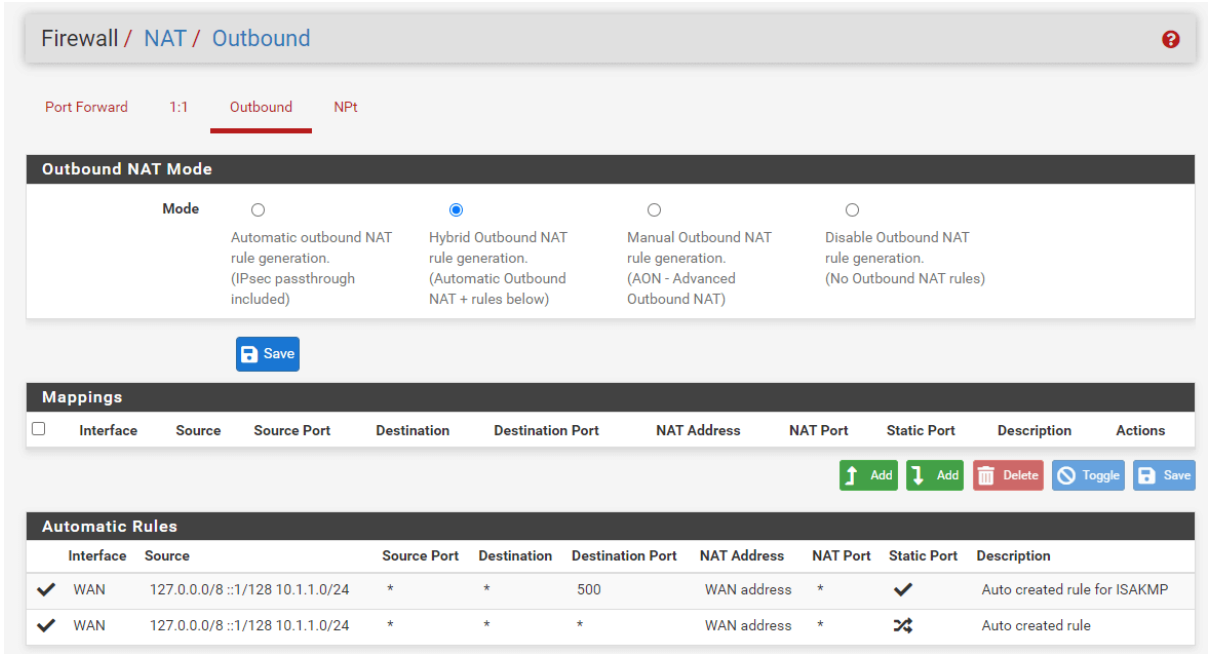
Act	Time	If	Source	Destination	Proto
	Oct 19 01:51:46	LAN	192.168.1.10	159.153.226.105	ICMP
	Oct 19 01:51:45	LAN	192.168.1.10	159.153.225.30	ICMP
	Oct 19 01:51:43	LAN	192.168.1.10	159.153.93.2	ICMP
	Oct 19 01:51:42	LAN	192.168.1.10	64.125.199.186	ICMP
	Oct 19 01:51:40	LAN	192.168.1.10	64.125.31.206	ICMP
	Oct 19 01:51:39	LAN	192.168.1.10	64.125.25.113	ICMP
	Oct 19 01:51:37	LAN	192.168.1.10	64.125.25.46	ICMP
	Oct 19 01:51:36	LAN	192.168.1.10	64.125.30.233	ICMP
	Oct 19 01:51:34	LAN	192.168.1.10	64.125.31.234	ICMP
	Oct 19 01:51:33	LAN	192.168.1.10	64.125.24.5	ICMP
	Oct 19 01:51:32	LAN	192.168.1.10	75.149.228.134	ICMP
	Oct 19 01:51:30	LAN	192.168.1.10	68.86.87.18	ICMP
	Oct 19 01:51:29	LAN	192.168.1.10	68.86.91.229	ICMP
	Oct 19 01:51:27	LAN	192.168.1.10	68.85.155.14	ICMP
	Oct 19 01:51:26	LAN	192.168.1.10	68.85.154.10	ICMP
	Oct 19 01:51:24	LAN	192.168.1.10	162.151.1.141	ICMP
	Oct 19 01:51:23	LAN	192.168.1.10	67.160.236.1	ICMP

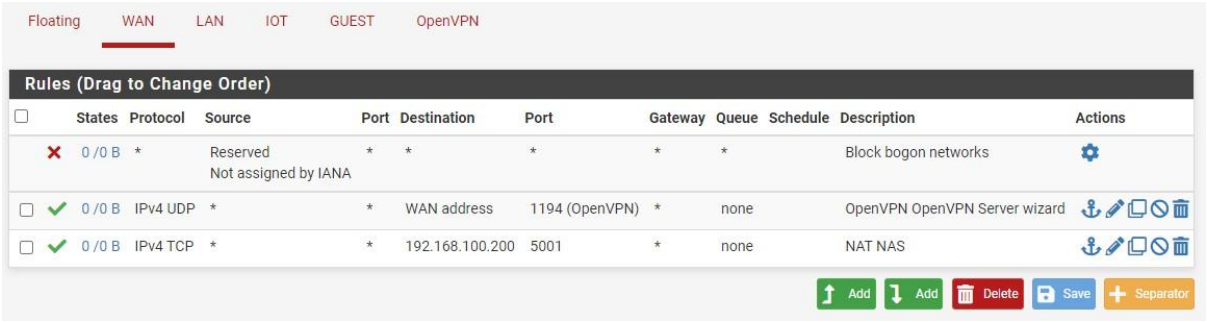


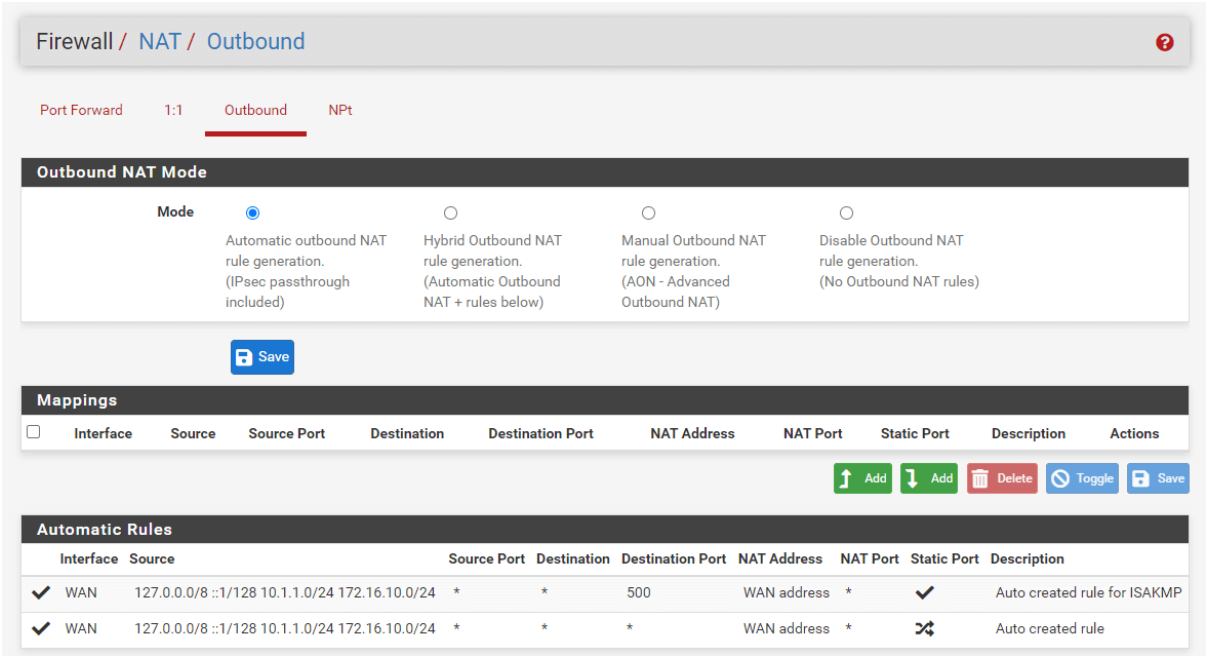


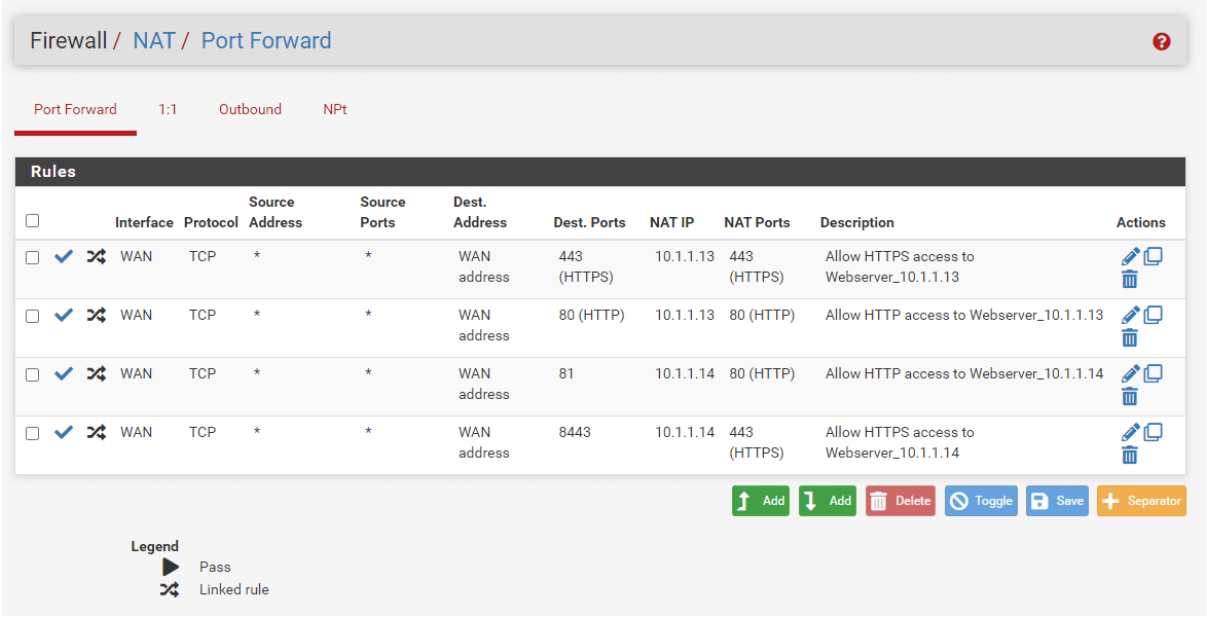


LAB 3 – NAT & Port Forwarding


Firewall / NAT / Outbound
Port Forward
1:1
Outbound
NPt
Outbound NAT Mode
Mode
Automatic outbound NAT rule generation. (IPsec passthrough included)
Hybrid Outbound NAT rule generation. (Automatic Outbound NAT + rules below)
Manual Outbound NAT rule generation. (AON - Advanced Outbound NAT)
Disable Outbound NAT rule generation. (No Outbound NAT rules)
Save
Mappings
Interface
Source
Source Port
Destination
Destination Port
NAT Address
NAT Port
Static Port
Description
Actions
Add
Add
Delete
Toggle
Save
Automatic Rules
Interface
Source
Source Port
Destination
Destination Port
NAT Address
NAT Port
Static Port
Description
WAN
127.0.0.0/8 ::1/128 10.1.1.0/24
*
*
500
WAN address
*
Auto created rule for ISAKMP
WAN
127.0.0.0/8 ::1/128 10.1.1.0/24
*
*
*
WAN address
*
Auto created rule


Floating
WAN
LAN
IOT
GUEST
OpenVPN
Rules (Drag to Change Order)
States Protocol Source Port Destination Port Gateway Queue Schedule Description Actions
0 /0 B * Reserved Not assigned by IANA * * * * * Block bogon networks
0 /0 B IPv4 UDP * * WAN address 1194 (OpenVPN) * none OpenVPN OpenVPN Server wizard
0 /0 B IPv4 TCP * * 192.168.100.200 5001 * none NAT NAS
Add
Add
Delete
Save
Separator


Firewall / NAT / Outbound
Port Forward
1:1
Outbound
NPt
Outbound NAT Mode
Mode
Automatic outbound NAT rule generation. (IPsec passthrough included)
Hybrid Outbound NAT rule generation. (Automatic Outbound NAT + rules below)
Manual Outbound NAT rule generation. (AON - Advanced Outbound NAT)
Disable Outbound NAT rule generation. (No Outbound NAT rules)
Save
Mappings
Interface Source Source Port Destination Destination Port NAT Address NAT Port Static Port Description Actions
Add
Add
Delete
Toggle
Save
Automatic Rules
Interface Source Source Port Destination Destination Port NAT Address NAT Port Static Port Description
WAN 127.0.0.0/8 ::1/128 10.1.1.0/24 172.16.10.0/24 * * 500 WAN address * Auto created rule for ISAKMP
WAN 127.0.0.0/8 ::1/128 10.1.1.0/24 172.16.10.0/24 * * * WAN address * Auto created rule


Firewall / NAT / Port Forward
Port Forward
1:1
Outbound
NPt
Rules
Interface Protocol Source Address Source Ports Dest. Address Dest. Ports NAT IP NAT Ports Description Actions
WAN TCP * * WAN address 443 (HTTPS) 10.1.1.13 443 (HTTPS) Allow HTTPS access to Webserver_10.1.1.13
WAN TCP * * WAN address 80 (HTTP) 10.1.1.13 80 (HTTP) Allow HTTP access to Webserver_10.1.1.13
WAN TCP * * WAN address 81 10.1.1.14 80 (HTTP) Allow HTTP access to Webserver_10.1.1.14
WAN TCP * * WAN address 8443 10.1.1.14 443 (HTTPS) Allow HTTPS access to Webserver_10.1.1.14
Add
Add
Delete
Toggle
Save
Separator
Legend
Pass
Linked rule