

Q3).. Step1→configure the snort

0/10/20/snort/snort_interfaces_edit.php?id=0

The screenshot shows the 'Services / Snort / WAN - Interface Settings' page. The 'General Settings' section is expanded, showing options for enabling the interface, selecting the interface (WAN), and setting the description. The 'Alert Settings' section is also expanded, showing options for sending alerts to the system log, enabling packet capture, and enabling unified2 logging. The 'Block Settings' section is expanded, showing options for blocking offenders. The 'Detection Performance Settings' section is expanded, showing options for search method, split ANY-ANY, and search optimize.

Step2→goto WAN rules and select category custom rules..and save it

/snort_rules.php

The screenshot shows the 'Services / Snort / Interface Settings / WAN - Rules' page. The 'WAN Rules' tab is selected. The 'Available Rule Categories' section shows 'custom.rules' selected. The 'Defined Custom Rules' section shows a rule for alerting on unauthorized SSH access.

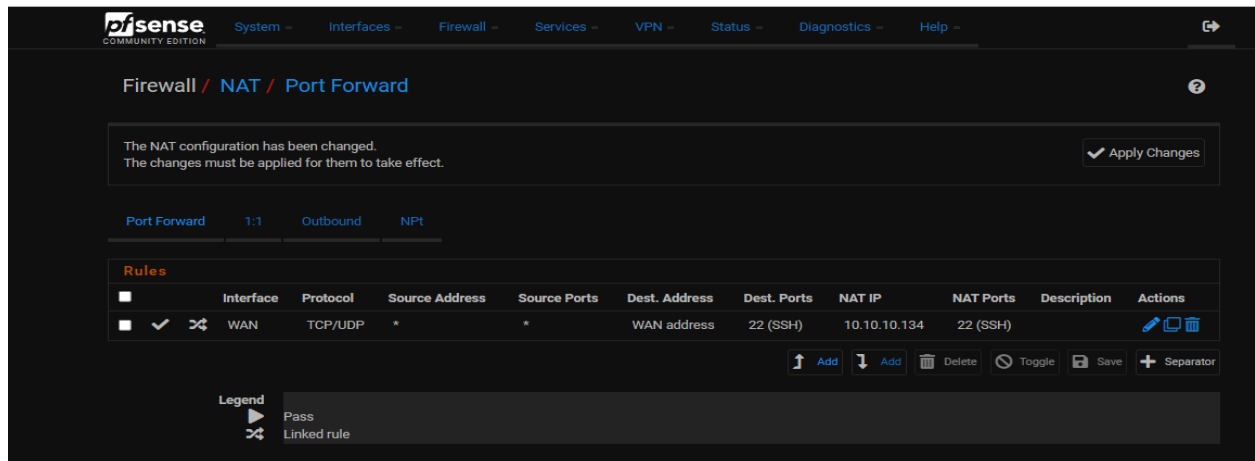
Step3→goto firewall NAT configuration and set the client ip to alerts msg

dit.php?id=0

The screenshot shows the 'Edit Redirect Entry' form. The 'Destination' field is set to 'WAN address'. The 'Destination port range' is set to 'SSH'. The 'Redirect target IP' is set to '10.10.10.134'. The 'Redirect target port' is set to 'SSH'.

Step4→after config the firewall NAT then click on apply changes

rewall_nat.php

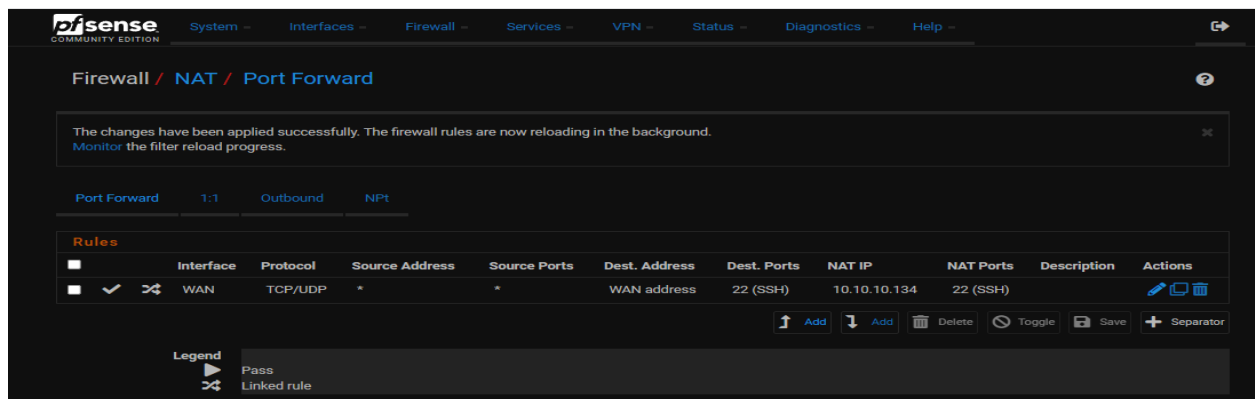


The screenshot shows the Pfsense Firewall NAT Port Forward configuration page. At the top, a message states: "The NAT configuration has been changed. The changes must be applied for them to take effect." with an "Apply Changes" button. Below this, there are tabs for "Port Forward", "1:1", "Outbound", and "NAT". The "Port Forward" tab is selected. A table of rules is displayed with the following data:

Rules	Interface	Protocol	Source Address	Source Ports	Dest. Address	Dest. Ports	NAT IP	NAT Ports	Description	Actions
<input checked="" type="checkbox"/>	WAN	TCP/UDP	*	*	WAN address	22 (SSH)	10.10.10.134	22 (SSH)		Edit Clone Delete

Below the table, there are buttons for "Add", "Delete", "Toggle", "Save", and "Separator". A legend at the bottom indicates that a play icon means "Pass" and a chain icon means "Linked rule".

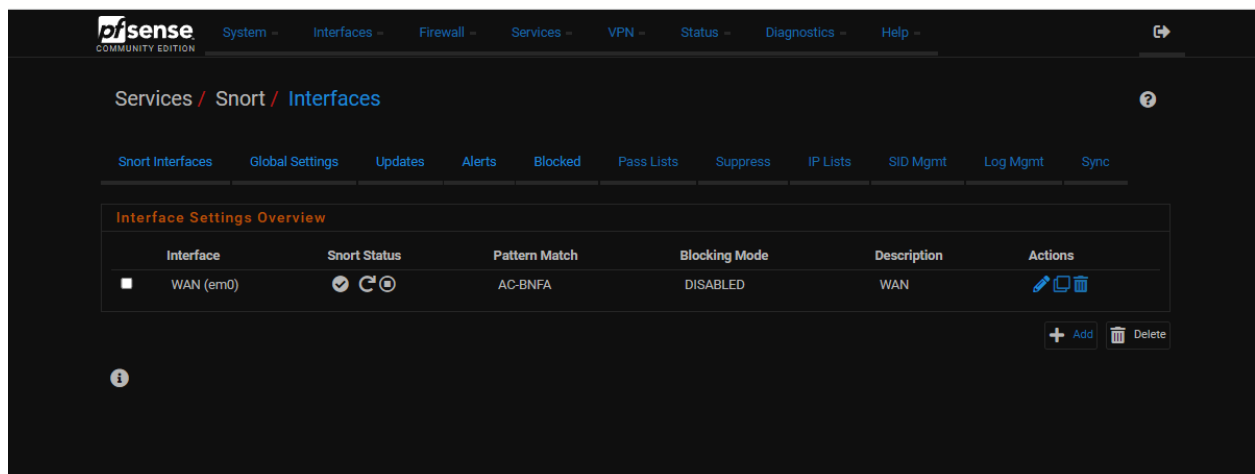
Step5→ the change s have been applied successfully



The screenshot shows the Pfsense Firewall NAT Port Forward configuration page after the changes have been applied successfully. A message at the top states: "The changes have been applied successfully. The firewall rules are now reloading in the background. Monitor the filter reload progress." Below this, the same "Port Forward" tab is selected, and the table of rules remains the same as in the previous screenshot.

Step6→After all config are done then restart snort services

arpa - services: snort
ort/snort_interfaces.php



The screenshot shows the Pfsense Services Snort Interfaces configuration page. At the top, there are tabs for "Snort Interfaces", "Global Settings", "Updates", "Alerts", "Blocked", "Pass Lists", "Suppress", "IP Lists", "SID Mgmt", "Log Mgmt", and "Sync". The "Snort Interfaces" tab is selected. A table titled "Interface Settings Overview" is displayed with the following data:

Interface	Snort Status	Pattern Match	Blocking Mode	Description	Actions
WAN (em0)	<input checked="" type="checkbox"/> Refresh Reset	AC-BNFA	DISABLED	WAN	Edit Clone Delete

Below the table, there are buttons for "Add" and "Delete". An information icon is located at the bottom left.

```

root@localhost:~
File Actions Edit View Help
(kadmin@server)-[~]
$ sudo ssh 192.168.113.144
[sudo] password for kadmin:
root@192.168.113.144's password:
Last login: Wed Jul 12 22:21:31 2023 from 192.168.113.138
[root@localhost ~]#

```

prpa - Services: Sn x +
ort/snort_alerts.php?instance=0

sense
System - Interfaces - Firewall - Services - VPN - Status - Diagnostics - Help -

Services / Snort / Alerts ?

[Snort Interfaces](#) |
 [Global Settings](#) |
 [Updates](#) |
 [Alerts](#) |
 [Blocked](#) |
 [Pass Lists](#) |
 [Suppress](#) |
 [IP Lists](#) |
 [SID Mgmt](#) |
 [Log Mgmt](#) |
 [Sync](#)

Alert Log View Settings

Interface to Inspect WAN (em0) Choose interface..

☐ Auto-refresh view

250 Alert lines to display.

Save

Alert Log Actions

Download
 Clear

Alert Log View Filter +

19 Entries in Active Log

Date	Action	Pri	Proto	Class	Source IP	SPort	Destination IP	DPort	GID:SID	Description
2023-07-11 02:00:20		0	TCP		192.168.113.138 	37934	192.168.113.144 	22	1:1000001 	unauthorized SSH access
2023-07-11 02:00:20		0	TCP		192.168.113.138 	37934	192.168.113.144 	22	1:1000001 	unauthorized SSH access
2023-07-11 02:00:20		0	TCP		192.168.113.138 	37934	192.168.113.144 	22	1:1000001 	unauthorized SSH access
2023-07-11 02:00:20		0	TCP		192.168.113.138 	37934	192.168.113.144 	22	1:1000001 	unauthorized SSH access
2023-07-11 02:00:20		0	TCP		192.168.113.138 	37934	192.168.113.144 	22	1:1000001 	unauthorized SSH access
2023-07-11 02:00:20		0	TCP		192.168.113.138 	37934	192.168.113.144 	22	1:1000001 	unauthorized SSH access
2023-07-11 02:00:20		0	TCP		192.168.113.138 	37934	192.168.113.144 	22	1:1000001 	unauthorized SSH access