

INC-2025776

Tuesday, August 13, 2024 3:27 PM

The screenshot shows the PA-410 configuration interface. The left sidebar lists various configuration categories, with 'Troubleshooting' selected. The main area is divided into three panels: 'Test Configuration', 'Test Result', and 'Result Detail'.

Test Configuration:

- Select Test: Ping
- Bypass routing tables and send directly to a host on an attached network
- Count: 5
- Don't fragment echo request packets (IPv4)
- Force to IPv6 destination
- Interval: [1 - 2]
- Source: [Empty]
- Don't attempt to print addresses symbolically
- Pattern: [Empty]
- Size: [0 - 65468]
- Tos: [1 - 255]
- Ttl: [1 - 255]
- Display detailed output
- Host: github.com

Test Result: PING github.com

Result Detail:

```
PING github.com (20.205.243.166) 56(84) bytes of data.
--- github.com ping statistics ---
5 packets transmitted, 0 received, 100% packet loss, time 121ms
```

This screenshot is similar to the one above, but the 'Result Detail' panel shows more comprehensive statistics.

Test Configuration: (Same as above)

Test Result: PING github.com

Result Detail:

```
PING github.com (20.205.243.166) 56(84) bytes of data.
64 bytes from 20.205.243.166 (20.205.243.166): icmp_seq=1 ttl=113 time=2.86 ms
64 bytes from 20.205.243.166 (20.205.243.166): icmp_seq=2 ttl=113 time=2.87 ms
64 bytes from 20.205.243.166 (20.205.243.166): icmp_seq=3 ttl=113 time=2.60 ms
64 bytes from 20.205.243.166 (20.205.243.166): icmp_seq=4 ttl=113 time=2.53 ms
64 bytes from 20.205.243.166 (20.205.243.166): icmp_seq=5 ttl=113 time=2.59 ms

--- github.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 40ms
rtt min/avg/max/mdev = 2.533/2.690/2.867/0.147 ms
```

```

name                value  rate severity category aspect  description
-----
flow_policy_nat_land 3      1 drop   flow    session Session setup: source NAT IP allocation result in LAND attack
flow_tcp_non_syn_drop 1      0 drop   flow    session Packets dropped: non-SYN TCP without session match
flow_fwd_l3_mcast_drop 1      0 drop   flow    forward Packets dropped: no route for IP multicast
flow_fwd_l3_noarp    24     8 drop   flow    forward Packets dropped: no ARP
  
```

name	value	rate	severity	category	aspect	description
flow_rcv_dot1q_tag_err	1	0	drop	flow	parse	Packets dropped: 802.1q tag not configured
flow_no_interface	1	0	drop	flow	parse	Packets dropped: invalid interface
flow_policy_nat_land	3	0	drop	flow	session	Session setup: source NAT IP allocation result in LAND attack
flow_tcp_non_syn_drop	7	0	drop	flow	session	Packets dropped: non-SYN TCP without session match
flow_fwd_l3_mcast_drop	25	1	drop	flow	forward	Packets dropped: no route for IP multicast
flow_fwd_l3_noarp	80	5	drop	flow	forward	Packets dropped: no ARP
flow_host_service_unknown	2	0	drop	flow	mgmt	Session discarded: unknown application to control plane
flow_ingress_ifp_lookup_invalid_mode	1	0	drop	flow	parse	Packets dropped: invalid port mode

Virtual Router - Static Route - IPv4

Name: default-route

Destination: 0.0.0.0/0

Interface: ethernet1/1

Next Hop: None

Admin Distance: 10 - 240

Metric: 10

Route Table: Unicast

BFD Profile: Disable BFD

Path Monitoring

Failure Condition: Any (selected) All

Preemptive Hold Time (min): 2

NAME	ENABLE	SOURCE IP	DESTINATION IP	PING INTERVAL(S)	PING COUNT

ID	NAME	TAGS	Original Packet					Translated Packet			HIT COUNT
			SOURCE ZONE	DESTINATION ZONE	DESTINATION INTERFACE	SOURCE ADDRESS	DESTINATION ADDRESS	SERVICE	SOURCE TRANSLATION	DESTINATION TRANSLATION	
1	Trust-to-Untrust	none	Trust	Untrust	ethernet1/1	any	any	any	dynamic-ip-and-port	none	121337
2	DNat - Forwarding P...	none	Trust	Untrust	any	any	netgateway_d...	Port 8000 - ...	none	destination-translation address: netSecur... port: 8000	2
3	DNat - Forwarding P...	none	Trust	Untrust	any	any	netgateway_d...	Port 8000 - ...	none	destination-translation address: netSecur... port: 8000	0
4	DNat - Forwarding P...	none	Trust	Untrust	any	any	netgateway_d...	Port 5001 - ...	none	destination-translation address: netSecur... port: 5001	13
5	DNat - Forwarding P...	none	Trust	Untrust	any	any	netgateway_d...	Port 5001 - ...	none	destination-translation address: netSecur... port: 5001	0
6	DNat - Forwarding P...	none	Trust	Untrust	any	any	netgateway_d...	Port 5005 - ...	none	destination-translation address: netSecur... port: 5005	12
7	DNat - Forwarding P...	none	Trust	Untrust	any	any	netgateway_d...	Port 5005 - ...	none	destination-translation address: netSecur... port: 5005	0

```

Elapsed time since last sampling: 36.928 seconds
name                value    rate severity category aspect  description
-----
Flow_rcv_dot1q_tag_err 2        0 drop   flow    parse  Packets dropped: 802.1q tag not configured
Flow_no_interface      2        0 drop   flow    parse  Packets dropped: invalid interface
Flow_policy_nat_land   12       0 drop   flow    session Session setup: source NAT IP allocation result in LAND attack
Flow_fwd_l3_mcast_drop 32        0 drop   flow    forward Packets dropped: no route for IP multicast
Flow_fwd_l3_noarp     1515     41 drop   flow    forward Packets dropped: no ARP
Flow_mld_rcv_err       1        0 drop   flow    mld    MLD receive error
Flow_host_service_deny 4         0 drop   flow    mgmt   Device management session denied
Flow_host_service_unknown 22       0 drop   flow    mgmt   Session discarded: unknown application to control plane
Flow_ingress_ifp_lookup_invalid_mode 2        0 drop   flow    parse  Packets dropped: invalid port mode
-----
Total counters shown: 9
-----

[redacted]@INT0_Singapore> show counter global filter delta yes severity drop

Global counters:
Elapsed time since last sampling: 3.678 seconds
name                value    rate severity category aspect  description
-----
Flow_fwd_l3_mcast_drop 6         1 drop   flow    forward Packets dropped: no route for IP multicast
Flow_fwd_l3_noarp     98       26 drop   flow    forward Packets dropped: no ARP
Flow_host_service_unknown 1         0 drop   flow    mgmt   Session discarded: unknown application to control plane
-----
Total counters shown: 3
-----

[redacted]@Singapore> show counter global filter delta yes severity drop

Global counters:
Elapsed time since last sampling: 3.77 seconds
name                value    rate severity category aspect  description
-----
Flow_fwd_l3_mcast_drop 6         1 drop   flow    forward Packets dropped: no route for IP multicast
Flow_fwd_l3_noarp     34       11 drop   flow    forward Packets dropped: no ARP
Flow_host_service_unknown 2         0 drop   flow    mgmt   Session discarded: unknown application to control plane
-----
Total counters shown: 3
-----

```

```

[redacted]@Singapore> show counter global filter delta yes severity drop

Global counters:
Elapsed time since last sampling: 16.738 seconds
name                value    rate severity category aspect  description
-----
Flow_rcv_dot1q_tag_err 1         0 drop   flow    parse  Packets dropped: 802.1q tag not configured
Flow_no_interface      1         0 drop   flow    parse  Packets dropped: invalid interface
Flow_policy_nat_land   4         0 drop   flow    session Session setup: source NAT IP allocation result in LAND attack
Flow_fwd_l3_bcast_drop 1         0 drop   flow    forward Packets dropped: unhandled IP broadcast
Flow_fwd_l3_mcast_drop 14        0 drop   flow    forward Packets dropped: no route for IP multicast
Flow_fwd_l3_noarp     283      16 drop   flow    forward Packets dropped: no ARP
Flow_host_service_deny 2         0 drop   flow    mgmt   Device management session denied
Flow_host_service_unknown 15       0 drop   flow    mgmt   Session discarded: unknown application to control plane
Flow_ingress_ifp_lookup_invalid_mode 1         0 drop   flow    parse  Packets dropped: invalid port mode
-----
Total counters shown: 9
-----

[redacted]@Singapore> show counter global filter delta yes severity drop

Global counters:
Elapsed time since last sampling: 3.409 seconds
name                value    rate severity category aspect  description
-----
Flow_policy_nat_land   4         1 drop   flow    session Session setup: source NAT IP allocation result in LAND attack
Flow_fwd_l3_mcast_drop 4         1 drop   flow    forward Packets dropped: no route for IP multicast
Flow_fwd_l3_noarp     85       24 drop   flow    forward Packets dropped: no ARP
Flow_host_service_unknown 2         0 drop   flow    mgmt   Session discarded: unknown application to control plane
-----
Total counters shown: 4
-----

```