The vProtector Cookbook - Version 1.1

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Chapter 1 Preface and Overview

This document focuses on configuration examples for VSS Monitoring's vProtector product line. All information is confidential, a signed NDA is required to discuss with partners, re-sellers or customers.

Currently there are 7 chapters, totaling 163 pages, please feel free to add any input! This is a preliminary rough draft, based primarily on screen captures that still requires extensive editing for content. All information presented is a best effort of a combination of email threads, SE trainings, data on \\blue.internal.vss, the SE Wiki and various sources such as the VSS Partner Portal or the VSS Knowledgebase. Credit needs to be given to Ollie Sheridan who originally created the Filtering Cookbook and to all of the SEs and others who have contributed to it the along the way. The Filtering Cookbook will be used as the inspiration for this work; please do not take this document as gospel, your mileage will vary widely depending on network speed/traffic conditions, tool combinations and the amount of tuning you do to the solution.

For comprehensive testing and configuration assistance please consult the VSS Corporate SE Team or the VSS Validation Laboratory.

Chapter 2 Silicon Valley Bank

Overview: 3 Data Centers (Salt Lake City, San Jose, London). 5 vProtector 612s were proposed, all copper 1G links and tools.

Requirements: Security in Series required for all locations, different tools at different locations.

Location: Data Center 1 (Salt Lake City).

- 2 Internet WAN Links (Active and Passive)
    - Tools
        - McAfee IPS (In-line), WAF (In-line)
- 2 eCommerce WAN Links (Active and Passive)
    - Tools
        - McAfee IPS (In-Line), FireEye (Inline) 2 ports requiring LB, Vontu (Inline)

Location: Data Center 2 (San Jose).

- 2 Internet WAN Links (Active and Passive)
    - Tools
        - McAfee IPS (In-line), WAF (In-line)
- 2 eCommerce WAN Links (Active and Passive)
    - Tools
        - McAfee IPS (In-Line), FireEye (Inline) 2 ports requiring LB, Vontu (Inline)

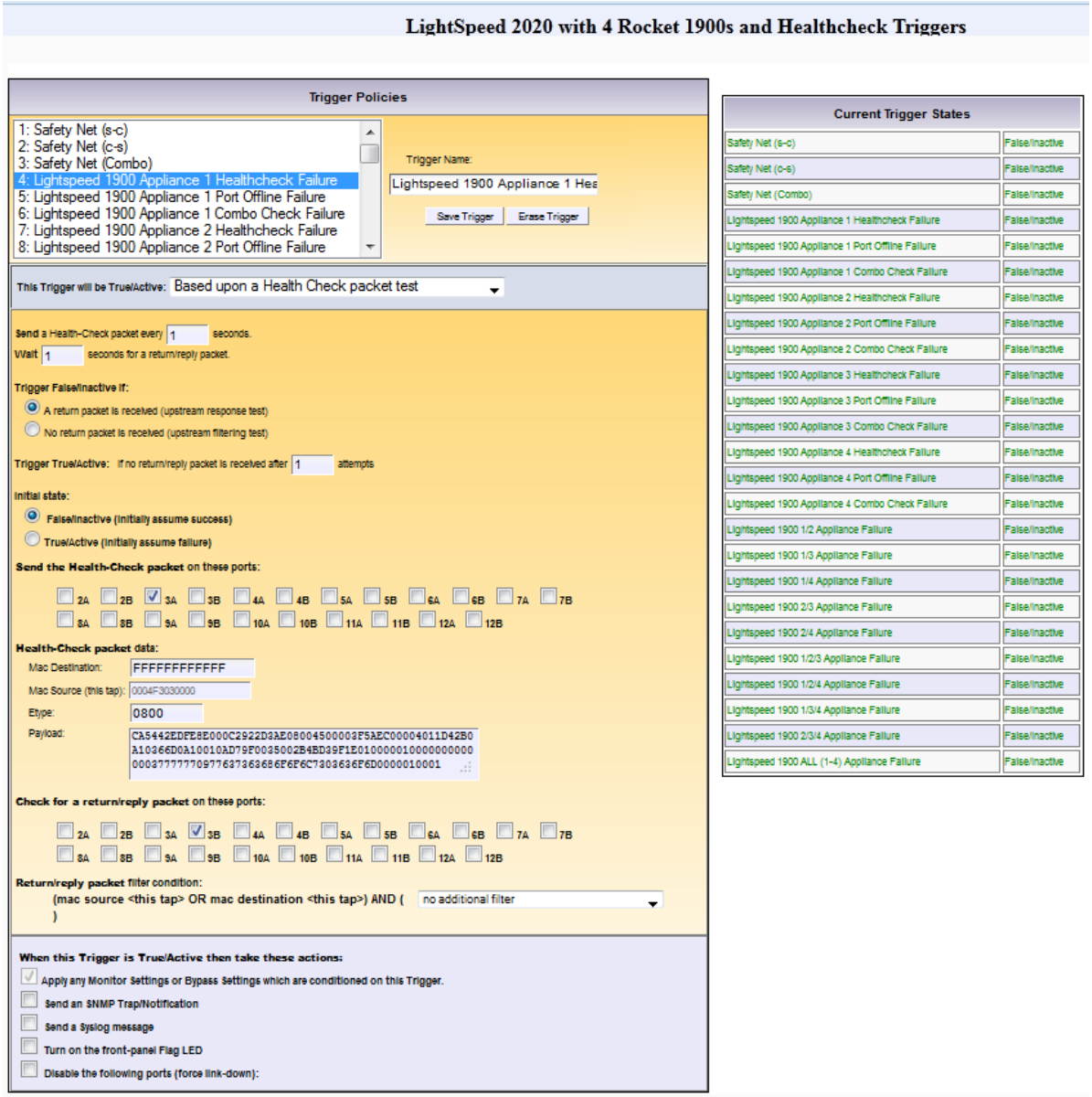
Location: Data Center 3 (London).

- 2 Internet WAN Links (Active and Passive)
    - Tools
        - McAfee IPS (In-line), WAF (In-line)

Chapter 3 Lightspeed

Lightspeed 2020 Trigger Functionality

4 Lightspeed Rocket 1900 Appliance 1 (Health Check Failure)



5 Lightspeed Rocket 1900 Appliance 1 (Port Offline Failure)

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

1: Safety Net (s-c)
2: Safety Net (c-s)
3: Safety Net (Combo)
4: Lightspeed 1900 Appliance 1 Healthcheck Fail
5: Lightspeed 1900 Appliance 1 Port Offline Failu
6: Lightspeed 1900 Appliance 1 Combo Check Fa
7: Lightspeed 1900 Appliance 2 Healthcheck Fail
8: Lightspeed 1900 Appliance 2 Port Offline Failu

Trigger Name: Lightspeed 1900 Appliance 1 Port Of

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon port link up/down

Trigger whenever:

- ANY of these ports are ONLINE (link up)
- ALL of these ports are ONLINE (link up)
- ANY of these ports are OFFLINE (link down)
- ALL of these ports are OFFLINE (link down)

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B
7A 7B 8A 8B 9A 9B 10A 10B 11A 11B 12A 12B

When this Trigger is True/Active then take these actions:

- Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- Send an SNMP Trap/Notification
- Send a Syslog message
- Turn on the front-panel Flag LED
- Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 1 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 1 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 2 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 2 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 2 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 3 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 3 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 3 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 4 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 4 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 4 Combo Check Failure	False/Inactive
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

6 Lightspeed Rocket 1900 Appliance 1 (Combo Check Failure)

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

1: Safety Net (s-c)
2: Safety Net (c-s)
3: Safety Net (Combo)
4: Lightspeed 1900 Appliance 1 Healthcheck Failure
5: Lightspeed 1900 Appliance 1 Port Offline Failure
6: Lightspeed 1900 Appliance 1 Combo Check Failure
7: Lightspeed 1900 Appliance 2 Healthcheck Failure
8: Lightspeed 1900 Appliance 2 Port Offline Failure

Trigger Name: Lightspeed 1900 Appliance 1 Combo

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon other Triggers

Selected Trigger(s):

☐ Safety Net (s-c)	☐ Safety Net (c-s)	☐ Safety Net (Combo)
☑ Lightspeed 1900 Appliance 1 Healthcheck Failure	☑ Lightspeed 1900 Appliance 1 Port Offline Failure	☐ Lightspeed 1900 Appliance 2 Healthcheck Failure
☐ Lightspeed 1900 Appliance 2 Port Offline Failure	☐ Lightspeed 1900 Appliance 2 Combo Check Failure	☐ Lightspeed 1900 Appliance 3 Healthcheck Failure
☐ Lightspeed 1900 Appliance 3 Port Offline Failure	☐ Lightspeed 1900 Appliance 3 Combo Check Failure	☐ Lightspeed 1900 Appliance 4 Healthcheck Failure
☐ Lightspeed 1900 Appliance 4 Port Offline Failure	☐ Lightspeed 1900 Appliance 4 Combo Check Failure	☐ Lightspeed 1900 1/2 Appliance Failure
☐ Lightspeed 1900 1/3 Appliance Failure	☐ Lightspeed 1900 1/4 Appliance Failure	☐ Lightspeed 1900 2/3 Appliance Failure
☐ Lightspeed 1900 2/4 Appliance Failure	☐ Lightspeed 1900 1/2/3 Appliance Failure	☐ Lightspeed 1900 1/2/4 Appliance Failure
☐ Lightspeed 1900 1/3/4 Appliance Failure	☐ Lightspeed 1900 2/3/4 Appliance Failure	☐ Lightspeed 1900 ALL (1-4) Appliance Failure

Activate this Trigger whenever:
Any of the selected triggers are TRUE/ACTIVE

Make this Trigger **True/Active** only when the above conditions have been met continuously for at least 0 seconds.

Revert this Trigger back to **False/Inactive** only after the above conditions have not been met continuously for at least 0 seconds.

When this Trigger is True/Active then take these actions:
- ☑ Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- ☐ Send an SNMP Trap/Notification
- ☐ Send a Syslog message
- ☐ Turn on the front-panel Flag LED
- ☐ Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 1 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 1 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 2 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 2 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 2 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 3 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 3 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 3 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 4 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 4 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 4 Combo Check Failure	False/Inactive
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

7 Lightspeed Rocket 1900 Appliance 2 (Health Check Failure)

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

1: Safety Net (s-c)
2: Safety Net (c-s)
3: Safety Net (Combo)
4: Lightspeed 1900 Appliance 1 Healthcheck Failure
5: Lightspeed 1900 Appliance 1 Port Offline Failure
6: Lightspeed 1900 Appliance 1 Combo Check Failure
7: Lightspeed 1900 Appliance 2 Healthcheck Failure
8: Lightspeed 1900 Appliance 2 Port Offline Failure

Trigger Name: Lightspeed 1900 Appliance 2 Healthc

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon a Health Check packet test

Send a Health-Check packet every 1 seconds.
Wait 1 seconds for a return/reply packet.

Trigger False/Inactive if:
- (•) A return packet is received (upstream response test)
- ( ) No return packet is received (upstream filtering test)

Trigger True/Active: If no return/reply packet is received after 1 attempts

Initial state:
- (•) **False/Inactive (initially assume success)**
- ( ) **True/Active (initially assume failure)**

Send the Health-Check packet on these ports:

[ ] 2A [ ] 2B [ ] 3A [ ] 3B [ ] 4A [ ] 4B [ ] 5A [ ] 5B [x] 6A [ ] 6B [ ] 7A [ ] 7B
[ ] 8A [ ] 8B [ ] 9A [ ] 9B [ ] 10A [ ] 10B [ ] 11A [ ] 11B [ ] 12A [ ] 12B

Health-Check packet data:

Mac Destination: FFFFFFFFFFFF
Mac Source (this tap): 0004F3030000
Etype: 0800
Payload:
```
CA5442EDFE8E000C2922D3AE08004500003F5AEC00004011D42B
0A10366D0A10010AD79F0035002B4BD39F1E0100000100000000
000003777777097763736368 6F6F6C7303636F6D0000010001
```

Check for a return/reply packet on these ports:

[ ] 2A [ ] 2B [ ] 3A [ ] 3B [ ] 4A [ ] 4B [ ] 5A [ ] 5B [ ] 6A [x] 6B [ ] 7A [ ] 7B
[ ] 8A [ ] 8B [ ] 9A [ ] 9B [ ] 10A [ ] 10B [ ] 11A [ ] 11B [ ] 12A [ ] 12B

Return/reply packet filter condition:
(mac source <this tap> OR mac destination <this tap>) AND (
no additional filter)

When this Trigger is True/Active then take these actions:
[x] Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger

Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 1 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 1 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 2 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 2 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 2 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 3 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 3 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 3 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 4 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 4 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 4 Combo Check Failure	False/Inactive
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

8 Lightspeed Rocket 1900 Appliance 2 (Port Offline Failure)

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

1: Safety Net (s-c)
2: Safety Net (c-s)
3: Safety Net (Combo)
4: Lightspeed 1900 Appliance 1 Healthcheck Fail
5: Lightspeed 1900 Appliance 1 Port Offline Failu
6: Lightspeed 1900 Appliance 1 Combo Check Fa
7: Lightspeed 1900 Appliance 2 Healthcheck Fail
8: Lightspeed 1900 Appliance 2 Port Offline Failu

Trigger Name: Lightspeed 1900 Appliance 2 Port Of

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon port link up/down

Trigger whenever:

- ANY of these ports are ONLINE (link up)
- ALL of these ports are ONLINE (link up)
- ANY of these ports are OFFLINE (link down)
- ALL of these ports are OFFLINE (link down)

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B

7A 7B 8A 8B 9A 9B 10A 10B 11A 11B 12A 12B

When this Trigger is True/Active then take these actions:

- Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- Send an SNMP Trap/Notification
- Send a Syslog message
- Turn on the front-panel Flag LED
- Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	False/Inactive
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Safety Net (Combo)	False/Inactive
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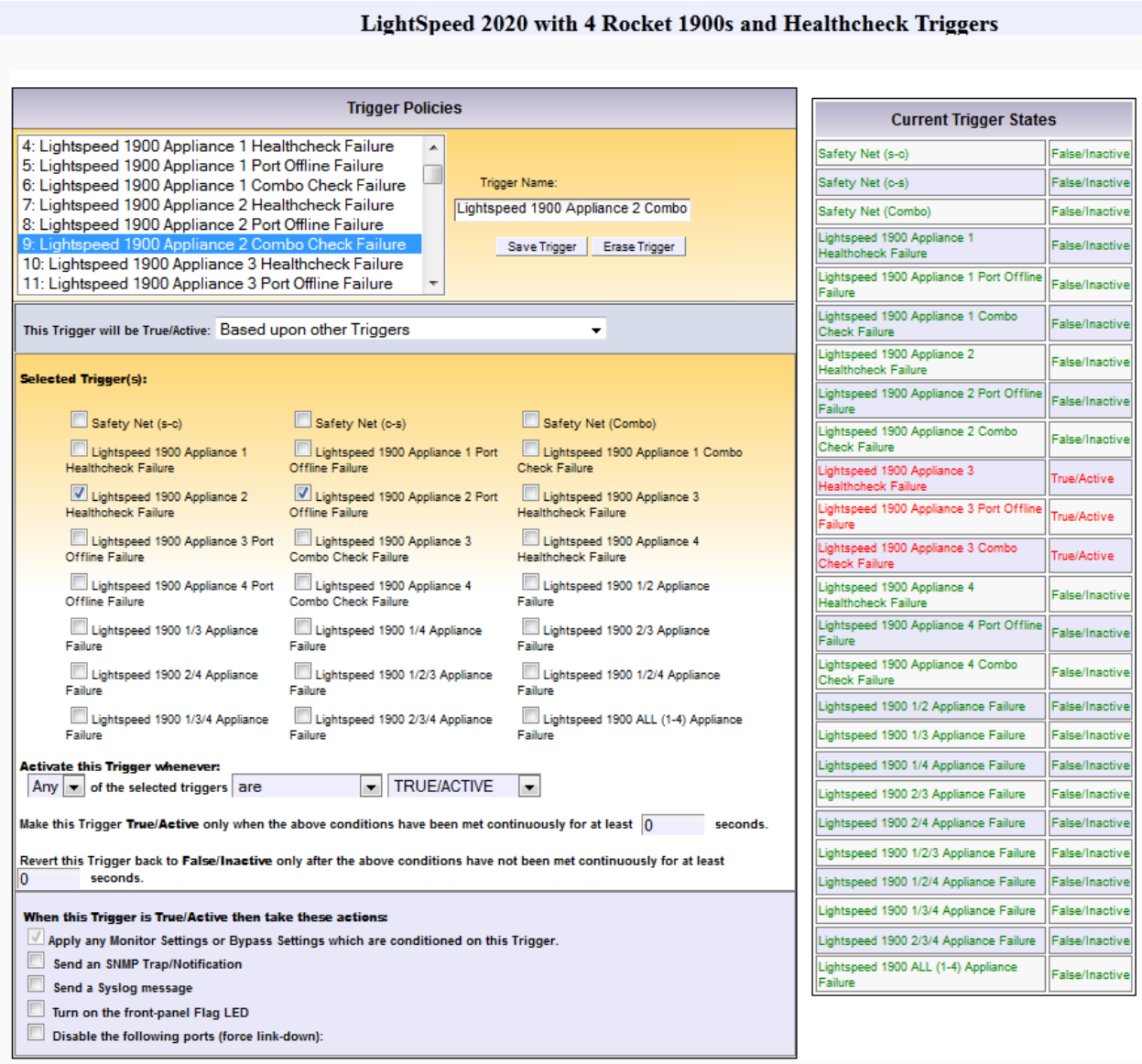
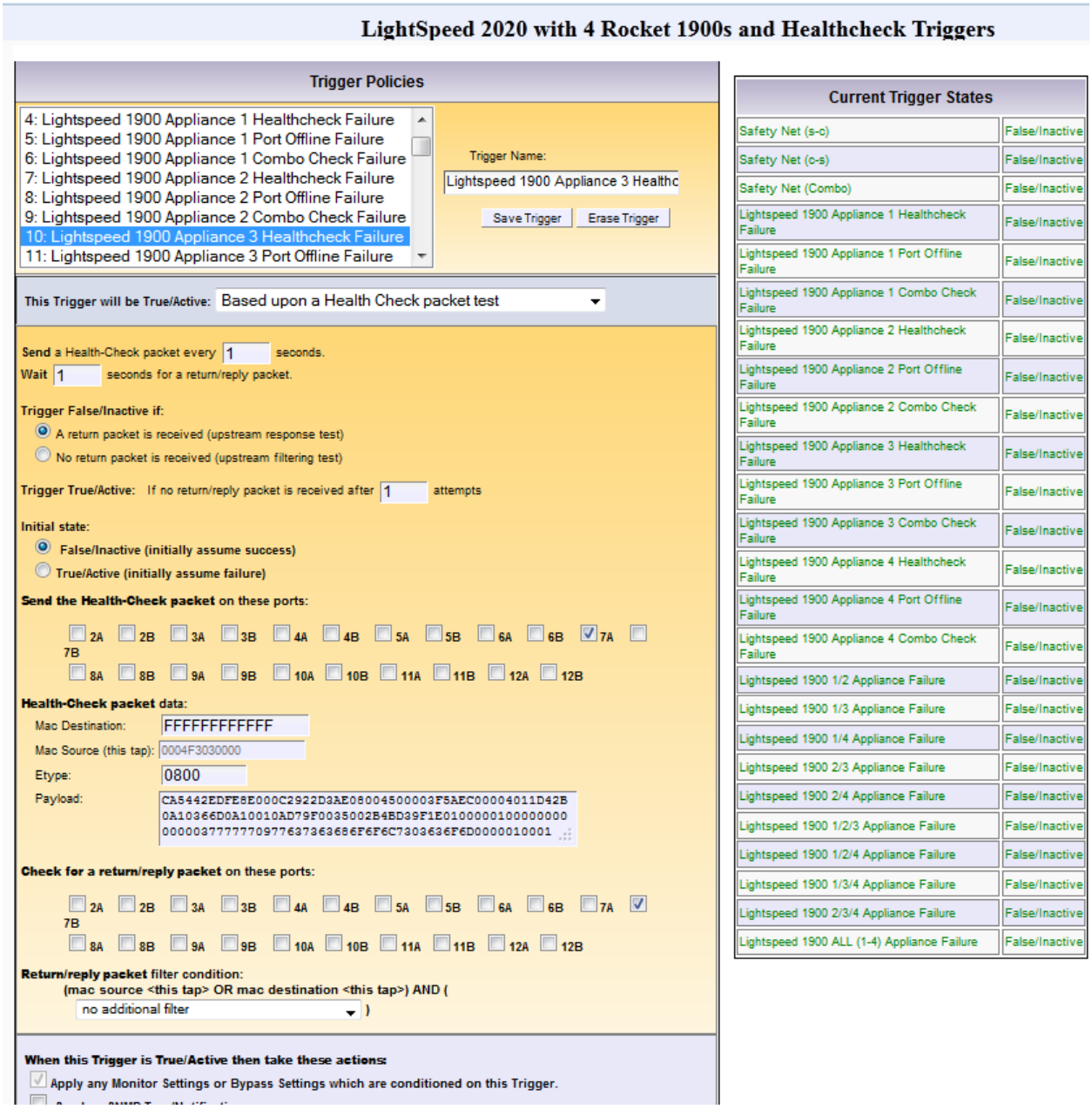
Lightspeed 1900 Appliance 1 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 1 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 2 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 2 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 2 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 3 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 3 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 3 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 4 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 4 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 4 Combo Check Failure	False/Inactive
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

9 Lightspeed Rocket 1900 Appliance 2 (Combo Check Failure)

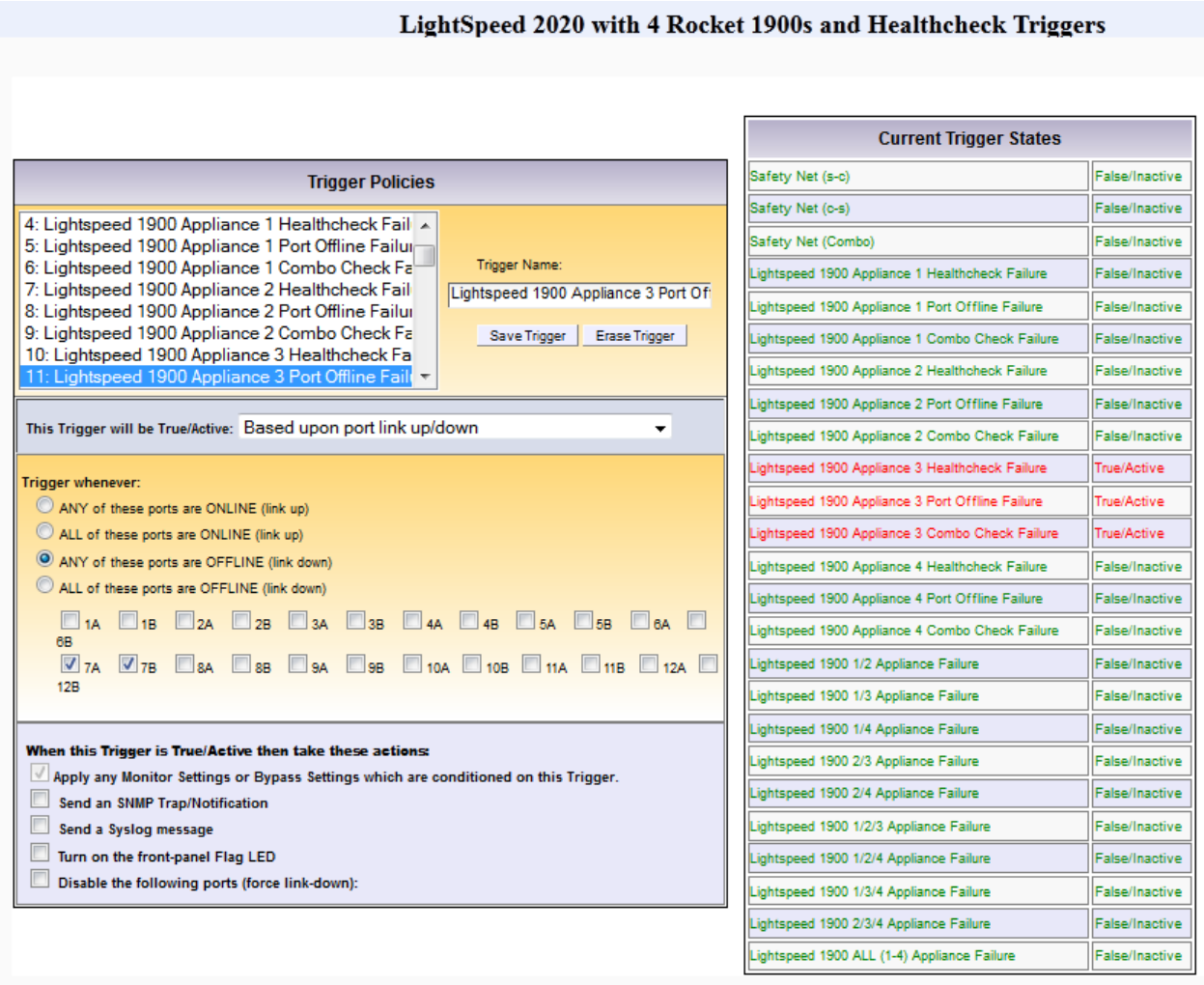


10 Lightspeed Rocket 1900 Appliance 3 (Health Check Failure)



Current Trigger States	
Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 1 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 1 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 2 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 2 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 2 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 3 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 3 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 3 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 4 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 4 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 4 Combo Check Failure	False/Inactive
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

11 Lightspeed Rocket 1900 Appliance 3 (Port Offline Failure)



12 Lightspeed Rocket 1900 Appliance 3 (Combo Check Failure)

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

12: Lightspeed 1900 Appliance 3 Combo Check Failure
13: Lightspeed 1900 Appliance 4 Healthcheck Failure
14: Lightspeed 1900 Appliance 4 Port Offline Failure
15: Lightspeed 1900 Appliance 4 Combo Check Failure
16: Lightspeed 1900 1/2 Appliance Failure
17: Lightspeed 1900 1/3 Appliance Failure
18: Lightspeed 1900 1/4 Appliance Failure
19: Lightspeed 1900 2/3 Appliance Failure

Trigger Name: Lightspeed 1900 Appliance 3 Combo

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon other Triggers

Selected Trigger(s):

- [ ] Safety Net (s-c)
- [ ] Safety Net (c-s)
- [ ] Safety Net (Combo)
- [ ] Lightspeed 1900 Appliance 1 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 1 Port Offline Failure
- [ ] Lightspeed 1900 Appliance 1 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 2 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 2 Port Offline Failure
- [ ] Lightspeed 1900 Appliance 2 Combo Check Failure
- [x] Lightspeed 1900 Appliance 3 Healthcheck Failure
- [x] Lightspeed 1900 Appliance 3 Port Offline Failure
- [ ] Lightspeed 1900 Appliance 4 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 4 Port Offline Failure
- [ ] Lightspeed 1900 Appliance 4 Combo Check Failure
- [ ] Lightspeed 1900 1/2 Appliance Failure
- [ ] Lightspeed 1900 1/3 Appliance Failure
- [ ] Lightspeed 1900 1/4 Appliance Failure
- [ ] Lightspeed 1900 2/3 Appliance Failure
- [ ] Lightspeed 1900 2/4 Appliance Failure
- [ ] Lightspeed 1900 1/2/3 Appliance Failure
- [ ] Lightspeed 1900 1/2/4 Appliance Failure
- [ ] Lightspeed 1900 1/3/4 Appliance Failure
- [ ] Lightspeed 1900 2/3/4 Appliance Failure
- [ ] Lightspeed 1900 ALL (1-4) Appliance Failure

Activate this Trigger whenever:

Any of the selected triggers are TRUE/ACTIVE

Make this Trigger **True/Active** only when the above conditions have been met continuously for at least 0 seconds.

Revert this Trigger back to **False/Inactive** only after the above conditions have not been met continuously for at least 0 seconds.

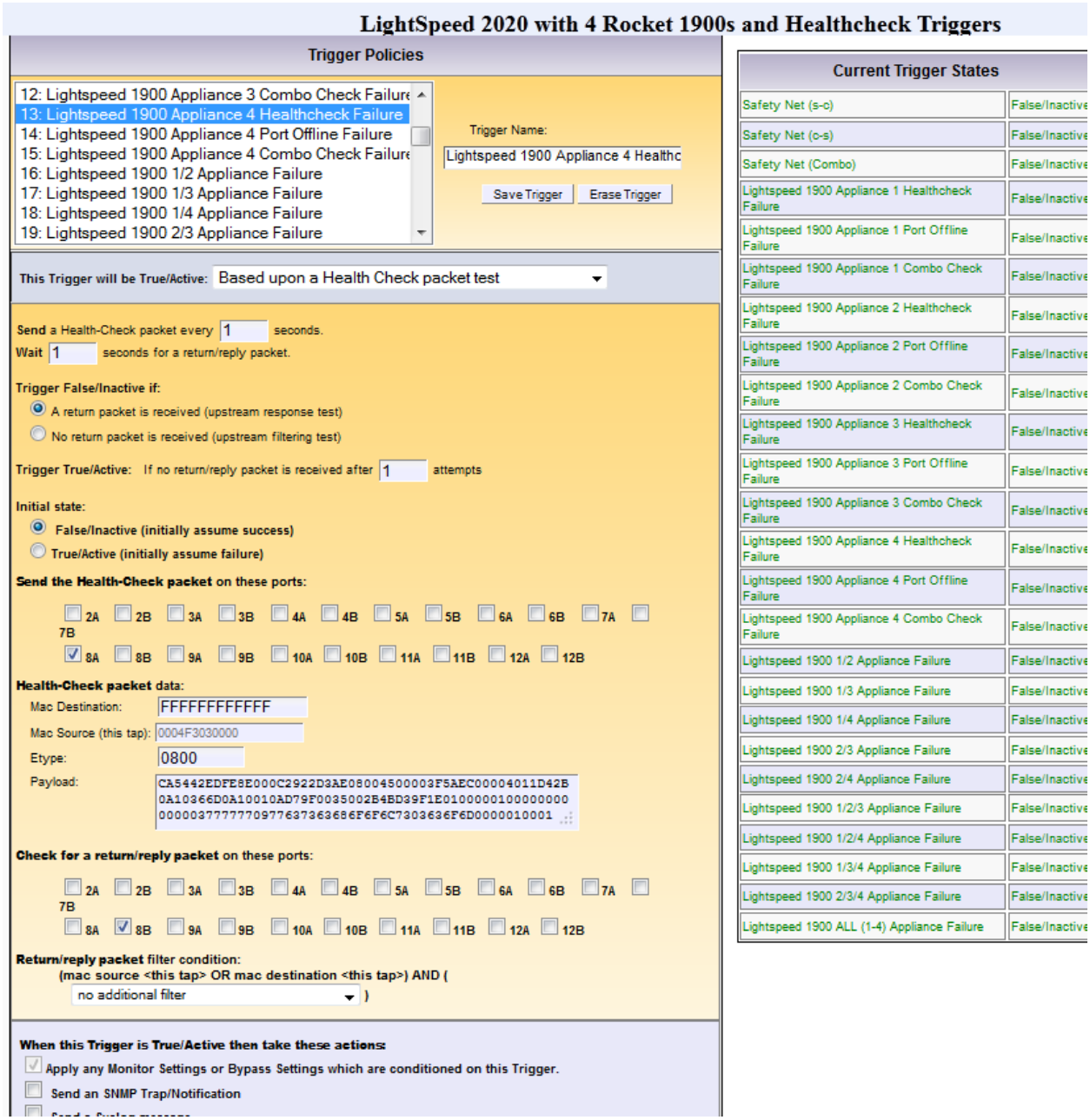
When this Trigger is True/Active then take these actions:

- [x] Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- [ ] Send an SNMP Trap/Notification
- [ ] Send a Syslog message
- [ ] Turn on the front-panel Flag LED
- [ ] Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 1 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 1 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 2 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 2 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 2 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 3 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 3 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 3 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 4 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 4 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 4 Combo Check Failure	False/Inactive
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

13 Lightspeed Rocket 1900 Appliance 4 (Health Check Failure)



14 Lightspeed Rocket 1900 Appliance 4 (Port Down Failure)

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

13: Lightspeed 1900 Appliance 4 Healthcheck Fa
14: Lightspeed 1900 Appliance 4 Port Offline Fail
15: Lightspeed 1900 Appliance 4 Combo Check F
16: Lightspeed 1900 1/2 Appliance Failure
17: Lightspeed 1900 1/3 Appliance Failure
18: Lightspeed 1900 1/4 Appliance Failure
19: Lightspeed 1900 2/3 Appliance Failure
20: Lightspeed 1900 2/4 Appliance Failure
21: Lightspeed 1900 1/2/3 Appliance Failure

Trigger Name: Lightspeed 1900 Appliance 4 Port Of

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon port link up/down

Trigger whenever:

- ANY of these ports are ONLINE (link up)
- ALL of these ports are ONLINE (link up)
- ANY of these ports are OFFLINE (link down)
- ALL of these ports are OFFLINE (link down)

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B
7A 7B 8A 8B 9A 9B 10A 10B 11A 11B 12A 12B

When this Trigger is True/Active then take these actions:

- Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- Send an SNMP Trap/Notification
- Send a Syslog message
- Turn on the front-panel Flag LED
- Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 1 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 1 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 2 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 2 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 2 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 3 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 3 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 3 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 4 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 4 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 4 Combo Check Failure	True/Active
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

15 Lightspeed Rocket 1900 Appliance 4 (Combo Check Failure)

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

13: Lightspeed 1900 Appliance 4 Healthcheck Failure
14: Lightspeed 1900 Appliance 4 Port Offline Failure
15: Lightspeed 1900 Appliance 4 Combo Check Failure
16: Lightspeed 1900 1/2 Appliance Failure
17: Lightspeed 1900 1/3 Appliance Failure
18: Lightspeed 1900 1/4 Appliance Failure
19: Lightspeed 1900 2/3 Appliance Failure
20: Lightspeed 1900 2/4 Appliance Failure
21: Lightspeed 1900 1/2/3 Appliance Failure

Trigger Name: Lightspeed 1900 Appliance 4 Combo

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon other Triggers

Selected Trigger(s):

☐ Safety Net (s-c)	☐ Safety Net (o-s)	☐ Safety Net (Combo)
☐ Lightspeed 1900 Appliance 1 Healthcheck Failure	☐ Lightspeed 1900 Appliance 1 Port Offline Failure	☐ Lightspeed 1900 Appliance 1 Combo Check Failure
☐ Lightspeed 1900 Appliance 2 Healthcheck Failure	☐ Lightspeed 1900 Appliance 2 Port Offline Failure	☐ Lightspeed 1900 Appliance 2 Combo Check Failure
☐ Lightspeed 1900 Appliance 3 Healthcheck Failure	☐ Lightspeed 1900 Appliance 3 Port Offline Failure	☐ Lightspeed 1900 Appliance 3 Combo Check Failure
☑ Lightspeed 1900 Appliance 4 Healthcheck Failure	☑ Lightspeed 1900 Appliance 4 Port Offline Failure	☐ Lightspeed 1900 1/2 Appliance Failure
☐ Lightspeed 1900 1/3 Appliance Failure	☐ Lightspeed 1900 1/4 Appliance Failure	☐ Lightspeed 1900 2/3 Appliance Failure
☐ Lightspeed 1900 2/4 Appliance Failure	☐ Lightspeed 1900 1/2/3 Appliance Failure	☐ Lightspeed 1900 1/2/4 Appliance Failure
☐ Lightspeed 1900 1/3/4 Appliance Failure	☐ Lightspeed 1900 2/3/4 Appliance Failure	☐ Lightspeed 1900 ALL (1-4) Appliance Failure

Activate this Trigger whenever:

Any of the selected triggers are TRUE/ACTIVE

Make this Trigger **True/Active** only when the above conditions have been met continuously for at least 0 seconds.

Revert this Trigger back to **False/Inactive** only after the above conditions have not been met continuously for at least 0 seconds.

When this Trigger is True/Active then take these actions:

- ☑ Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- ☐ Send an SNMP Trap/Notification
- ☐ Send a Syslog message
- ☐ Turn on the front-panel Flag LED
- ☐ Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (o-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 1 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 1 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 2 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 2 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 2 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 3 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 3 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 3 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 4 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 4 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 4 Combo Check Failure	True/Active
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

16 Lightspeed Rocket 1900 Appliance 1 and 2 Failure

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

13: Lightspeed 1900 Appliance 4 Healthcheck Failure
14: Lightspeed 1900 Appliance 4 Port Offline Failure
15: Lightspeed 1900 Appliance 4 Combo Check Failure
16: Lightspeed 1900 1/2 Appliance Failure
17: Lightspeed 1900 1/3 Appliance Failure
18: Lightspeed 1900 1/4 Appliance Failure
19: Lightspeed 1900 2/3 Appliance Failure
20: Lightspeed 1900 2/4 Appliance Failure
21: Lightspeed 1900 1/2/3 Appliance Failure

Trigger Name: Lightspeed 1900 1/2 Appliance Failur

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon other Triggers

Selected Trigger(s):

☐ Safety Net (s-c)	☐ Safety Net (c-s)	☐ Safety Net (Combo)
☐ Lightspeed 1900 Appliance 1 Healthcheck Failure	☐ Lightspeed 1900 Appliance 1 Port Offline Failure	☑ Lightspeed 1900 Appliance 1 Combo Check Failure
☐ Lightspeed 1900 Appliance 2 Healthcheck Failure	☐ Lightspeed 1900 Appliance 2 Port Offline Failure	☑ Lightspeed 1900 Appliance 2 Combo Check Failure
☐ Lightspeed 1900 Appliance 3 Healthcheck Failure	☐ Lightspeed 1900 Appliance 3 Port Offline Failure	☐ Lightspeed 1900 Appliance 3 Combo Check Failure
☐ Lightspeed 1900 Appliance 4 Healthcheck Failure	☐ Lightspeed 1900 Appliance 4 Port Offline Failure	☐ Lightspeed 1900 Appliance 4 Combo Check Failure
☐ Lightspeed 1900 1/3 Appliance Failure	☐ Lightspeed 1900 1/4 Appliance Failure	☐ Lightspeed 1900 2/3 Appliance Failure
☐ Lightspeed 1900 2/4 Appliance Failure	☐ Lightspeed 1900 1/2/3 Appliance Failure	☐ Lightspeed 1900 1/2/4 Appliance Failure
☐ Lightspeed 1900 1/3/4 Appliance Failure	☐ Lightspeed 1900 2/3/4 Appliance Failure	☐ Lightspeed 1900 ALL (1-4) Appliance Failure

Activate this Trigger whenever:

All of the selected triggers are TRUE/ACTIVE

Make this Trigger **True/Active** only when the above conditions have been met continuously for at least 0 seconds.

Revert this Trigger back to **False/Inactive** only after the above conditions have not been met continuously for at least 0 seconds.

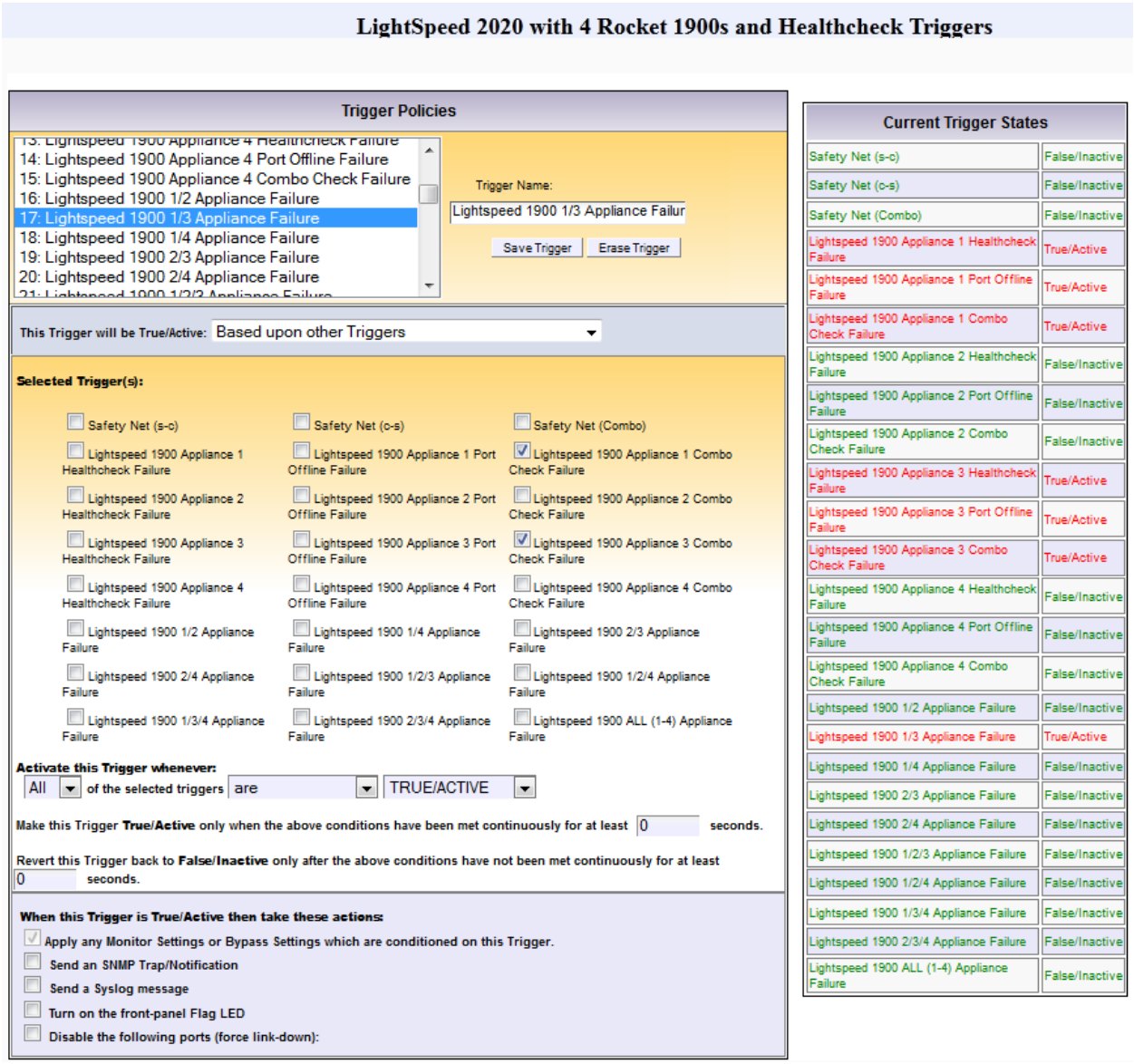
When this Trigger is True/Active then take these actions:

- ☑ Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- ☐ Send an SNMP Trap/Notification
- ☐ Send a Syslog message
- ☐ Turn on the front-panel Flag LED
- ☐ Disable the following ports (force link-down):

Current Trigger States

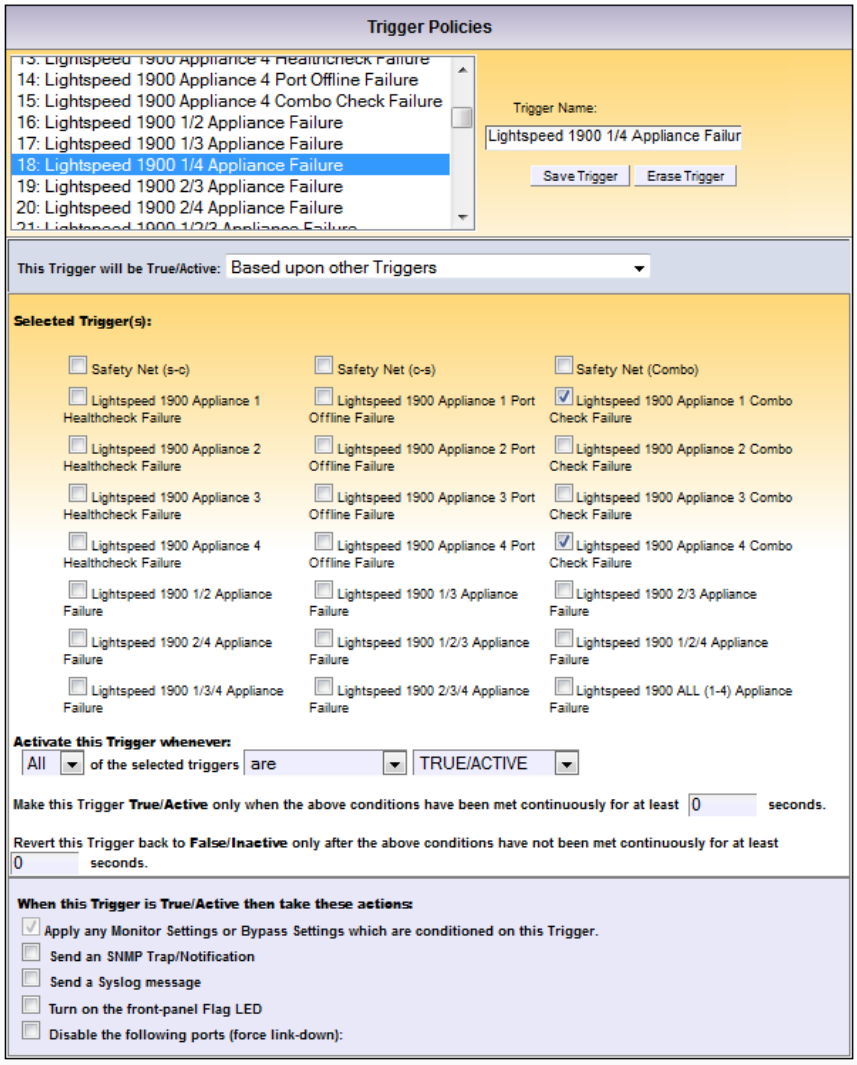
Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 1 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 1 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 2 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 2 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 2 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 3 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 3 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 3 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 4 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 4 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 4 Combo Check Failure	False/Inactive
Lightspeed 1900 1/2 Appliance Failure	True/Active
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

17 Lightspeed Rocket 1900 Appliance 1 and 3 Failure



18 Lightspeed Rocket 1900 Appliance 1 and 4 Failure

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers



Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 1 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 1 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 2 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 2 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 2 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 3 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 3 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 3 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 4 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 4 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 4 Combo Check Failure	True/Active
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	True/Active
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

19 Lightspeed Rocket 1900 Appliance 2 and 3 Failure

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

16: Lightspeed 1900 1/2 Appliance Failure
17: Lightspeed 1900 1/3 Appliance Failure
18: Lightspeed 1900 1/4 Appliance Failure
19: Lightspeed 1900 2/3 Appliance Failure
20: Lightspeed 1900 2/4 Appliance Failure
21: Lightspeed 1900 1/2/3 Appliance Failure
22: Lightspeed 1900 1/2/4 Appliance Failure
23: Lightspeed 1900 1/3/4 Appliance Failure
24: Lightspeed 1900 2/3/4 Appliance Failure

Trigger Name: Lightspeed 1900 2/3 Appliance Failur

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon other Triggers

Selected Trigger(s):

- [ ] Safety Net (s-c)
- [ ] Safety Net (c-s)
- [ ] Safety Net (Combo)
- [ ] Lightspeed 1900 Appliance 1 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 1 Port Offline Failure
- [ ] Lightspeed 1900 Appliance 1 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 2 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 2 Port Offline Failure
- [x] Lightspeed 1900 Appliance 2 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 3 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 3 Port Offline Failure
- [x] Lightspeed 1900 Appliance 3 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 4 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 4 Port Offline Failure
- [ ] Lightspeed 1900 Appliance 4 Combo Check Failure
- [ ] Lightspeed 1900 1/2 Appliance Failure
- [ ] Lightspeed 1900 1/3 Appliance Failure
- [ ] Lightspeed 1900 1/4 Appliance Failure
- [ ] Lightspeed 1900 2/4 Appliance Failure
- [ ] Lightspeed 1900 1/2/3 Appliance Failure
- [ ] Lightspeed 1900 1/2/4 Appliance Failure
- [ ] Lightspeed 1900 1/3/4 Appliance Failure
- [ ] Lightspeed 1900 2/3/4 Appliance Failure
- [ ] Lightspeed 1900 ALL (1-4) Appliance Failure

Activate this Trigger whenever:
All of the selected triggers are TRUE/ACTIVE

Make this Trigger **True/Active** only when the above conditions have been met continuously for at least 0 seconds.

Revert this Trigger back to **False/Inactive** only after the above conditions have not been met continuously for at least 0 seconds.

When this Trigger is True/Active then take these actions:

- [x] Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- [ ] Send an SNMP Trap/Notification
- [ ] Send a Syslog message
- [ ] Turn on the front-panel Flag LED
- [ ] Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 1 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 1 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 2 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 2 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 2 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 3 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 3 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 3 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 4 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 4 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 4 Combo Check Failure	False/Inactive
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	True/Active
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

20 Lightspeed Rocket 1900 Appliance 2 and 4 Failure

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

16: Lightspeed 1900 1/2 Appliance Failure
17: Lightspeed 1900 1/3 Appliance Failure
18: Lightspeed 1900 1/4 Appliance Failure
19: Lightspeed 1900 2/3 Appliance Failure
20: Lightspeed 1900 2/4 Appliance Failure
21: Lightspeed 1900 1/2/3 Appliance Failure
22: Lightspeed 1900 1/2/4 Appliance Failure
23: Lightspeed 1900 1/3/4 Appliance Failure
24: Lightspeed 1900 2/3/4 Appliance Failure

Trigger Name: Lightspeed 1900 2/4 Appliance Failur

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon other Triggers

Selected Trigger(s):

- [ ] Safety Net (s-c)
- [ ] Safety Net (c-s)
- [ ] Safety Net (Combo)
- [ ] Lightspeed 1900 Appliance 1 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 1 Port Offline Failure
- [ ] Lightspeed 1900 Appliance 1 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 2 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 2 Port Offline Failure
- [x] Lightspeed 1900 Appliance 2 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 3 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 3 Port Offline Failure
- [ ] Lightspeed 1900 Appliance 3 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 4 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 4 Port Offline Failure
- [x] Lightspeed 1900 Appliance 4 Combo Check Failure
- [ ] Lightspeed 1900 1/2 Appliance Failure
- [ ] Lightspeed 1900 1/3 Appliance Failure
- [ ] Lightspeed 1900 1/4 Appliance Failure
- [ ] Lightspeed 1900 2/3 Appliance Failure
- [ ] Lightspeed 1900 1/2/3 Appliance Failure
- [ ] Lightspeed 1900 1/2/4 Appliance Failure
- [ ] Lightspeed 1900 1/3/4 Appliance Failure
- [ ] Lightspeed 1900 2/3/4 Appliance Failure
- [ ] Lightspeed 1900 ALL (1-4) Appliance Failure

Activate this Trigger whenever:

All of the selected triggers are TRUE/ACTIVE

Make this Trigger **True/Active** only when the above conditions have been met continuously for at least 0 seconds.

Revert this Trigger back to **False/Inactive** only after the above conditions have not been met continuously for at least 0 seconds.

When this Trigger is True/Active then take these actions:

- [x] Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- [ ] Send an SNMP Trap/Notification
- [ ] Send a Syslog message
- [ ] Turn on the front-panel Flag LED
- [ ] Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 1 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 1 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 2 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 2 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 2 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 3 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 3 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 3 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 4 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 4 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 4 Combo Check Failure	True/Active
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	True/Active
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

21 Lightspeed Rocket 1900 Appliance 1, 2 and 3 Failure

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

16: Lightspeed 1900 1/2 Appliance Failure
17: Lightspeed 1900 1/3 Appliance Failure
18: Lightspeed 1900 1/4 Appliance Failure
19: Lightspeed 1900 2/3 Appliance Failure
20: Lightspeed 1900 2/4 Appliance Failure
21: Lightspeed 1900 1/2/3 Appliance Failure
22: Lightspeed 1900 1/2/4 Appliance Failure
23: Lightspeed 1900 1/3/4 Appliance Failure
24: Lightspeed 1900 2/3/4 Appliance Failure

Trigger Name: Lightspeed 1900 1/2/3 Appliance Fail

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon other Triggers

Selected Trigger(s):

- [ ] Safety Net (s-c)
- [ ] Safety Net (c-s)
- [ ] Safety Net (Combo)
- [ ] Lightspeed 1900 Appliance 1 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 1 Port Offline Failure
- [x] Lightspeed 1900 Appliance 1 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 2 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 2 Port Offline Failure
- [x] Lightspeed 1900 Appliance 2 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 3 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 3 Port Offline Failure
- [x] Lightspeed 1900 Appliance 3 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 4 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 4 Port Offline Failure
- [ ] Lightspeed 1900 Appliance 4 Combo Check Failure
- [ ] Lightspeed 1900 1/2 Appliance Failure
- [ ] Lightspeed 1900 1/3 Appliance Failure
- [ ] Lightspeed 1900 1/4 Appliance Failure
- [ ] Lightspeed 1900 2/3 Appliance Failure
- [ ] Lightspeed 1900 2/4 Appliance Failure
- [ ] Lightspeed 1900 1/2/4 Appliance Failure
- [ ] Lightspeed 1900 1/3/4 Appliance Failure
- [ ] Lightspeed 1900 2/3/4 Appliance Failure
- [ ] Lightspeed 1900 ALL (1-4) Appliance Failure

Activate this Trigger whenever:

All of the selected triggers are TRUE/ACTIVE

Make this Trigger **True/Active** only when the above conditions have been met continuously for at least 0 seconds.

Revert this Trigger back to **False/Inactive** only after the above conditions have not been met continuously for at least 0 seconds.

When this Trigger is True/Active then take these actions:

- [x] Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- [ ] Send an SNMP Trap/Notification
- [ ] Send a Syslog message
- [ ] Turn on the front-panel Flag LED
- [ ] Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 1 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 1 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 2 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 2 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 2 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 3 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 3 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 3 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 4 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 4 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 4 Combo Check Failure	False/Inactive
Lightspeed 1900 1/2 Appliance Failure	True/Active
Lightspeed 1900 1/3 Appliance Failure	True/Active
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	True/Active
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	True/Active
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

22 Lightspeed Rocket 1900 Appliance 1, 2 and 4 Failure

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

19: Lightspeed 1900 2/3 Appliance Failure
20: Lightspeed 1900 2/4 Appliance Failure
21: Lightspeed 1900 1/2/3 Appliance Failure
22: Lightspeed 1900 1/2/4 Appliance Failure
23: Lightspeed 1900 1/3/4 Appliance Failure
24: Lightspeed 1900 2/3/4 Appliance Failure
25: Lightspeed 1900 ALL (1-4) Appliance Failure
26

Trigger Name: Lightspeed 1900 1/2/4 Appliance Fail

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon other Triggers

Selected Trigger(s):

☐ Safety Net (s-c)	☐ Safety Net (c-s)	☐ Safety Net (Combo)
☐ Lightspeed 1900 Appliance 1 Healthcheck Failure	☐ Lightspeed 1900 Appliance 1 Port Offline Failure	☑ Lightspeed 1900 Appliance 1 Combo Check Failure
☐ Lightspeed 1900 Appliance 2 Healthcheck Failure	☐ Lightspeed 1900 Appliance 2 Port Offline Failure	☑ Lightspeed 1900 Appliance 2 Combo Check Failure
☐ Lightspeed 1900 Appliance 3 Healthcheck Failure	☐ Lightspeed 1900 Appliance 3 Port Offline Failure	☐ Lightspeed 1900 Appliance 3 Combo Check Failure
☐ Lightspeed 1900 Appliance 4 Healthcheck Failure	☐ Lightspeed 1900 Appliance 4 Port Offline Failure	☑ Lightspeed 1900 Appliance 4 Combo Check Failure
☐ Lightspeed 1900 1/2 Appliance Failure	☐ Lightspeed 1900 1/3 Appliance Failure	☐ Lightspeed 1900 1/4 Appliance Failure
☐ Lightspeed 1900 2/3 Appliance Failure	☐ Lightspeed 1900 2/4 Appliance Failure	☐ Lightspeed 1900 1/2/3 Appliance Failure
☐ Lightspeed 1900 1/3/4 Appliance Failure	☐ Lightspeed 1900 2/3/4 Appliance Failure	☐ Lightspeed 1900 ALL (1-4) Appliance Failure

Activate this Trigger whenever:

All of the selected triggers are TRUE/ACTIVE

Make this Trigger **True/Active** only when the above conditions have been met continuously for at least 0 seconds.

Revert this Trigger back to **False/Inactive** only after the above conditions have not been met continuously for at least 0 seconds.

When this Trigger is True/Active then take these actions:

- ☑ Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- ☐ Send an SNMP Trap/Notification
- ☐ Send a Syslog message
- ☐ Turn on the front-panel Flag LED
- ☐ Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 1 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 1 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 2 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 2 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 2 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 3 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 3 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 3 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 4 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 4 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 4 Combo Check Failure	True/Active
Lightspeed 1900 1/2 Appliance Failure	True/Active
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	True/Active
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	True/Active
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	True/Active
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

23 Lightspeed Rocket 1900 Appliance 1, 3 and 4 Failure

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

19: Lightspeed 1900 2/3 Appliance Failure
20: Lightspeed 1900 2/4 Appliance Failure
21: Lightspeed 1900 1/2/3 Appliance Failure
22: Lightspeed 1900 1/2/4 Appliance Failure
23: Lightspeed 1900 1/3/4 Appliance Failure
24: Lightspeed 1900 2/3/4 Appliance Failure
25: Lightspeed 1900 ALL (1-4) Appliance Failure
26

Trigger Name: Lightspeed 1900 1/3/4 Appliance Fail

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon other Triggers

Selected Trigger(s):

☐ Safety Net (s-c)	☐ Safety Net (c-s)	☐ Safety Net (Combo)
☐ Lightspeed 1900 Appliance 1 Healthcheck Failure	☐ Lightspeed 1900 Appliance 1 Port Offline Failure	☑ Lightspeed 1900 Appliance 1 Combo Check Failure
☐ Lightspeed 1900 Appliance 2 Healthcheck Failure	☐ Lightspeed 1900 Appliance 2 Port Offline Failure	☐ Lightspeed 1900 Appliance 2 Combo Check Failure
☐ Lightspeed 1900 Appliance 3 Healthcheck Failure	☐ Lightspeed 1900 Appliance 3 Port Offline Failure	☑ Lightspeed 1900 Appliance 3 Combo Check Failure
☐ Lightspeed 1900 Appliance 4 Healthcheck Failure	☐ Lightspeed 1900 Appliance 4 Port Offline Failure	☑ Lightspeed 1900 Appliance 4 Combo Check Failure
☐ Lightspeed 1900 1/2 Appliance Failure	☐ Lightspeed 1900 1/3 Appliance Failure	☐ Lightspeed 1900 1/4 Appliance Failure
☐ Lightspeed 1900 2/3 Appliance Failure	☐ Lightspeed 1900 2/4 Appliance Failure	☐ Lightspeed 1900 1/2/3 Appliance Failure
☐ Lightspeed 1900 1/2/4 Appliance Failure	☐ Lightspeed 1900 2/3/4 Appliance Failure	☐ Lightspeed 1900 ALL (1-4) Appliance Failure

Activate this Trigger whenever:

All of the selected triggers are TRUE/ACTIVE

Make this Trigger **True/Active** only when the above conditions have been met continuously for at least 0 seconds.

Revert this Trigger back to **False/Inactive** only after the above conditions have not been met continuously for at least 0 seconds.

When this Trigger is True/Active then take these actions:

- ☑ Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- ☐ Send an SNMP Trap/Notification
- ☐ Send a Syslog message
- ☐ Turn on the front-panel Flag LED
- ☐ Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 1 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 1 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 2 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 2 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 2 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 3 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 3 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 3 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 4 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 4 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 4 Combo Check Failure	True/Active
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	True/Active
Lightspeed 1900 1/4 Appliance Failure	True/Active
Lightspeed 1900 2/3 Appliance Failure	False/Inactive
Lightspeed 1900 2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	True/Active
Lightspeed 1900 2/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

24 Lightspeed Rocket 1900 Appliance 2, 3 and 4 Failure

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

19: Lightspeed 1900 2/3 Appliance Failure
20: Lightspeed 1900 2/4 Appliance Failure
21: Lightspeed 1900 1/2/3 Appliance Failure
22: Lightspeed 1900 1/2/4 Appliance Failure
23: Lightspeed 1900 1/3/4 Appliance Failure
24: Lightspeed 1900 2/3/4 Appliance Failure
25: Lightspeed 1900 ALL (1-4) Appliance Failure
26
27

Trigger Name: Lightspeed 1900 2/3/4 Appliance Fail

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon other Triggers

Selected Trigger(s):

- [ ] Safety Net (s-c)
- [ ] Safety Net (c-s)
- [ ] Safety Net (Combo)
- [ ] Lightspeed 1900 Appliance 1 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 1 Port Offline Failure
- [ ] Lightspeed 1900 Appliance 1 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 2 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 2 Port Offline Failure
- [x] Lightspeed 1900 Appliance 2 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 3 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 3 Port Offline Failure
- [x] Lightspeed 1900 Appliance 3 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 4 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 4 Port Offline Failure
- [x] Lightspeed 1900 Appliance 4 Combo Check Failure
- [ ] Lightspeed 1900 1/2 Appliance Failure
- [ ] Lightspeed 1900 1/3 Appliance Failure
- [ ] Lightspeed 1900 1/4 Appliance Failure
- [ ] Lightspeed 1900 2/3 Appliance Failure
- [ ] Lightspeed 1900 2/4 Appliance Failure
- [ ] Lightspeed 1900 1/2/3 Appliance Failure
- [ ] Lightspeed 1900 1/2/4 Appliance Failure
- [ ] Lightspeed 1900 1/3/4 Appliance Failure
- [ ] Lightspeed 1900 ALL (1-4) Appliance Failure

Activate this Trigger whenever:

All of the selected triggers are TRUE/ACTIVE

Make this Trigger **True/Active** only when the above conditions have been met continuously for at least 0 seconds.

Revert this Trigger back to **False/Inactive** only after the above conditions have not been met continuously for at least 0 seconds.

When this Trigger is True/Active then take these actions:

- [x] Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- [ ] Send an SNMP Trap/Notification
- [ ] Send a Syslog message
- [ ] Turn on the front-panel Flag LED
- [ ] Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	False/Inactive
Safety Net (c-s)	False/Inactive
Safety Net (Combo)	False/Inactive
Lightspeed 1900 Appliance 1 Healthcheck Failure	False/Inactive
Lightspeed 1900 Appliance 1 Port Offline Failure	False/Inactive
Lightspeed 1900 Appliance 1 Combo Check Failure	False/Inactive
Lightspeed 1900 Appliance 2 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 2 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 2 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 3 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 3 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 3 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 4 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 4 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 4 Combo Check Failure	True/Active
Lightspeed 1900 1/2 Appliance Failure	False/Inactive
Lightspeed 1900 1/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3 Appliance Failure	True/Active
Lightspeed 1900 2/4 Appliance Failure	True/Active
Lightspeed 1900 1/2/3 Appliance Failure	False/Inactive
Lightspeed 1900 1/2/4 Appliance Failure	False/Inactive
Lightspeed 1900 1/3/4 Appliance Failure	False/Inactive
Lightspeed 1900 2/3/4 Appliance Failure	True/Active
Lightspeed 1900 ALL (1-4) Appliance Failure	False/Inactive

25 Lightspeed Rocket 1900 All Appliance 1, 2, 3 and 4 Failure

LightSpeed 2020 with 4 Rocket 1900s and Healthcheck Triggers

Trigger Policies

19: Lightspeed 1900 2/3 Appliance Failure
20: Lightspeed 1900 2/4 Appliance Failure
21: Lightspeed 1900 1/2/3 Appliance Failure
22: Lightspeed 1900 1/2/4 Appliance Failure
23: Lightspeed 1900 1/3/4 Appliance Failure
24: Lightspeed 1900 2/3/4 Appliance Failure
25: Lightspeed 1900 ALL (1-4) Appliance Failure
26
27

Trigger Name: Lightspeed 1900 ALL (1-4) Appliance

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon other Triggers

Selected Trigger(s):

- [ ] Safety Net (s-c)
- [ ] Safety Net (c-s)
- [ ] Safety Net (Combo)
- [ ] Lightspeed 1900 Appliance 1 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 1 Port Offline Failure
- [x] Lightspeed 1900 Appliance 1 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 2 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 2 Port Offline Failure
- [x] Lightspeed 1900 Appliance 2 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 3 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 3 Port Offline Failure
- [x] Lightspeed 1900 Appliance 3 Combo Check Failure
- [ ] Lightspeed 1900 Appliance 4 Healthcheck Failure
- [ ] Lightspeed 1900 Appliance 4 Port Offline Failure
- [x] Lightspeed 1900 Appliance 4 Combo Check Failure
- [ ] Lightspeed 1900 1/2 Appliance Failure
- [ ] Lightspeed 1900 1/3 Appliance Failure
- [ ] Lightspeed 1900 1/4 Appliance Failure
- [ ] Lightspeed 1900 2/3 Appliance Failure
- [ ] Lightspeed 1900 2/4 Appliance Failure
- [ ] Lightspeed 1900 1/2/3 Appliance Failure
- [ ] Lightspeed 1900 1/2/4 Appliance Failure
- [ ] Lightspeed 1900 1/3/4 Appliance Failure
- [ ] Lightspeed 1900 2/3/4 Appliance Failure

Activate this Trigger whenever:

All of the selected triggers are TRUE/ACTIVE

Make this Trigger **True/Active** only when the above conditions have been met continuously for at least 0 seconds.

Revert this Trigger back to **False/Inactive** only after the above conditions have not been met continuously for at least 0 seconds.

When this Trigger is True/Active then take these actions:

- [x] Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
- [ ] Send an SNMP Trap/Notification
- [ ] Send a Syslog message
- [ ] Turn on the front-panel Flag LED
- [ ] Disable the following ports (force link-down):

Current Trigger States

Safety Net (s-c)	True/Active
Safety Net (c-s)	True/Active
Safety Net (Combo)	True/Active
Lightspeed 1900 Appliance 1 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 1 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 1 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 2 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 2 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 2 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 3 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 3 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 3 Combo Check Failure	True/Active
Lightspeed 1900 Appliance 4 Healthcheck Failure	True/Active
Lightspeed 1900 Appliance 4 Port Offline Failure	True/Active
Lightspeed 1900 Appliance 4 Combo Check Failure	True/Active
Lightspeed 1900 1/2 Appliance Failure	True/Active
Lightspeed 1900 1/3 Appliance Failure	True/Active
Lightspeed 1900 1/4 Appliance Failure	True/Active
Lightspeed 1900 2/3 Appliance Failure	True/Active
Lightspeed 1900 2/4 Appliance Failure	True/Active
Lightspeed 1900 1/2/3 Appliance Failure	True/Active
Lightspeed 1900 1/2/4 Appliance Failure	True/Active
Lightspeed 1900 1/3/4 Appliance Failure	True/Active
Lightspeed 1900 2/3/4 Appliance Failure	True/Active
Lightspeed 1900 ALL (1-4) Appliance Failure	True/Active

Chapter 4 Genentech

The configuration has a password on it: VSS, vss, vss123 did not work.

Application Note

Introduction:

This document has been created to assist Protector 2020 customers and Sales Engineer who wish to deploy security in layer solutions to protect inside and outside threat. The information and examples provided here may be different than your deployment, but should provide the necessary information needed to understand how you might want to configure Protector2020 along with other Security devices inline devices.

This document covers the following Products:

- VSS Protector 2020, Inline Active and Passive inline tool
- FireEye 1300 Series intercept all incoming and outgoing email and Web traffic for malware detection. FireEye inline operational mode can be configured to Block, Monitor or Bypass traffic.
- Blue Coat ProxySG 900 intercepts all Web traffic. Inline operational mode can configured to Block, monitor or bypass traffic.

Deployment Topology:

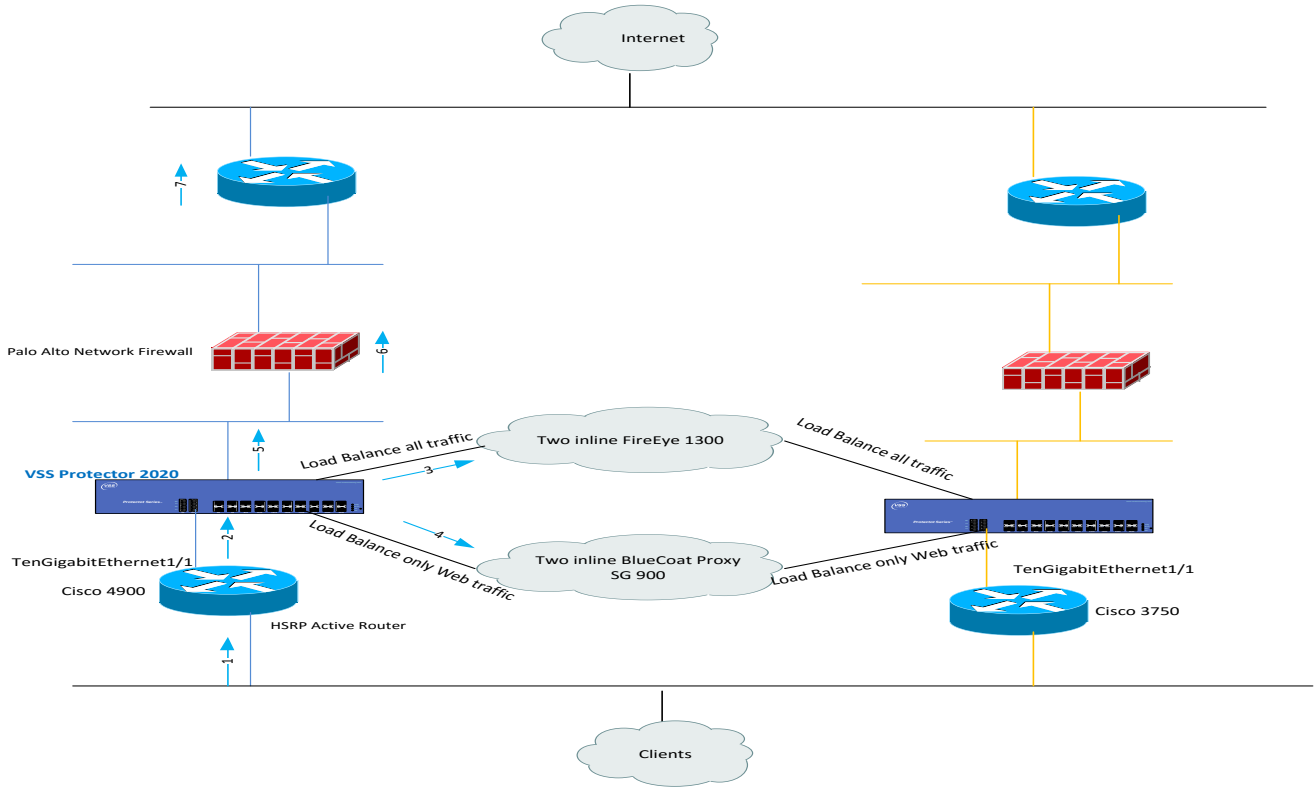


Figure 1

As shown in Figure 1 above, Cisco 4900 is HSRP Active router. All traffic from inside traverse through Cisco 4900, VSS Protor2020 inline device, load balanced traffic between two FireEye and BlueCoat Proxy SG devices. FireEye are configured to test both monitor and block mode. Bluecoats are configured to intercept unauthorized website access and notify user that their website access violated company's policy.

Issues and Solution:

- Palo Alto Firewall and Cisco routers are using 10Gig interface whereas BlueCoat and FireEye's monitor interfaces are 1Gig.
- All traffic destine to internet need to be intercepted by FireEye for malware detections. In future other third party vendor's security tools will be added in series.
- Only web traffic need to be sent to BlueCoat proxy device without using Cisco's Web Cache Communication protocol (WCCP) for ease of manageability and troubleshooting.

VSS Protector 2020 is inline Active or Passive monitoring device. It has 24 ports. Each port can be configured as 10Gig or 1Gig interface. Load balance feature can send traffic to eight inline Active or Passive monitoring tools. Packet flow diagrams to address above issues are as shown below in figure 2.

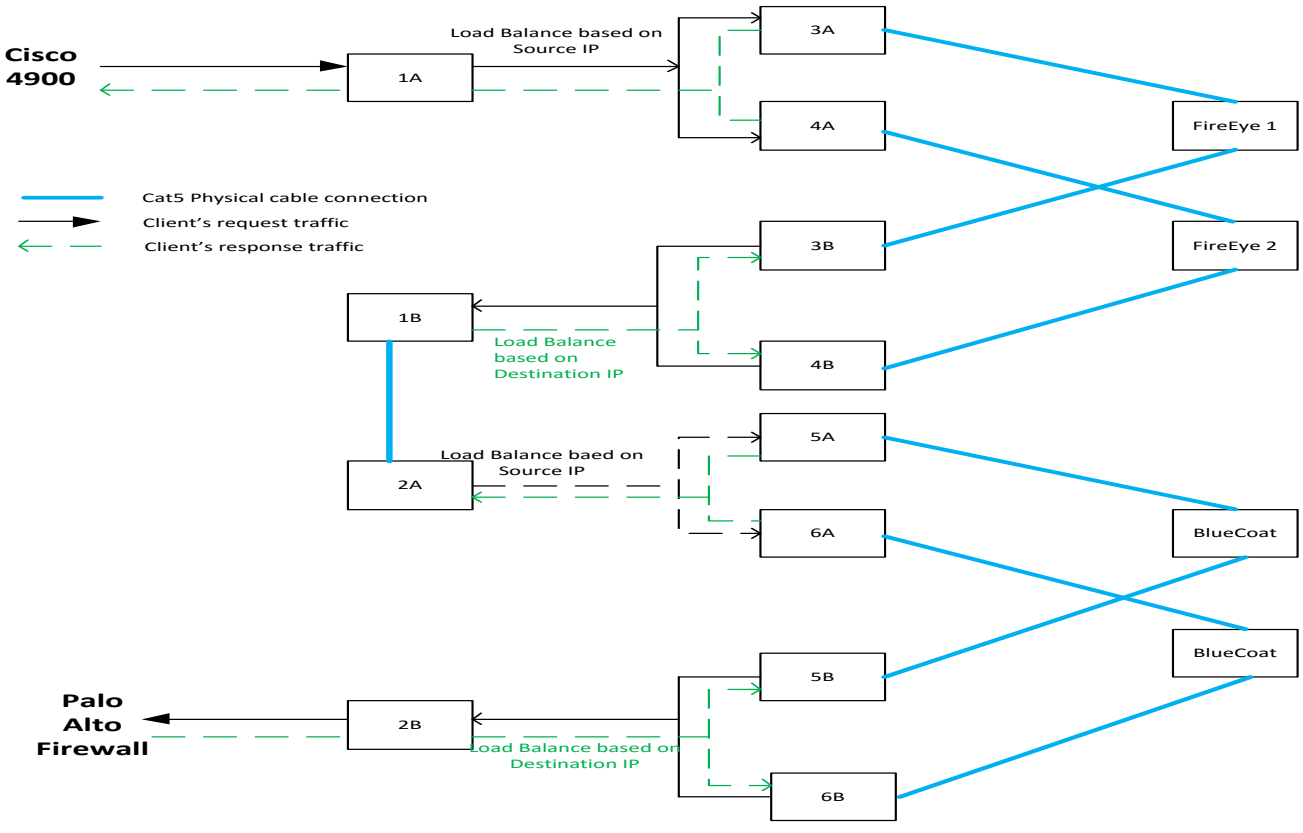


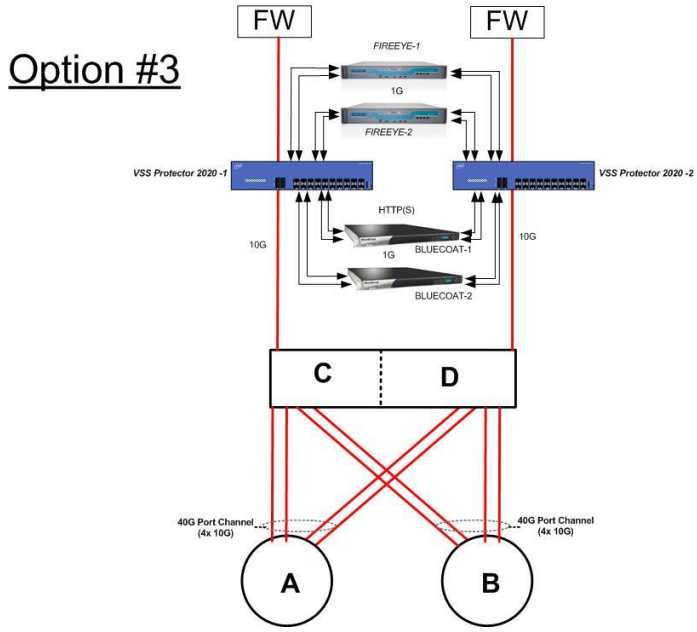
Figure 2.

In above Figure 2, each FireEye inline monitor ports are physically connected to 3A, 3B and 4A, 4B port pairs. All client's traffic destine to internet load balance between two FireEyes in port 3A and 4A. Load balance criteria are based on client's source IP (SIP). Protector 2020 hash SIP to track which port client's request came from. Response traffic load balanced based on destination IP address in 3B and 4B using the same hashing algorithm. 1B port physically connected to port 2A. TCP source or destination port 80 filters applied in port 2A to send only Web traffic to BlueCoat. Non Web traffic will be sent directly to 2B. Same Source IP and destination IP load balancing criteria applied in 5A, 6A and 5B, 6B.

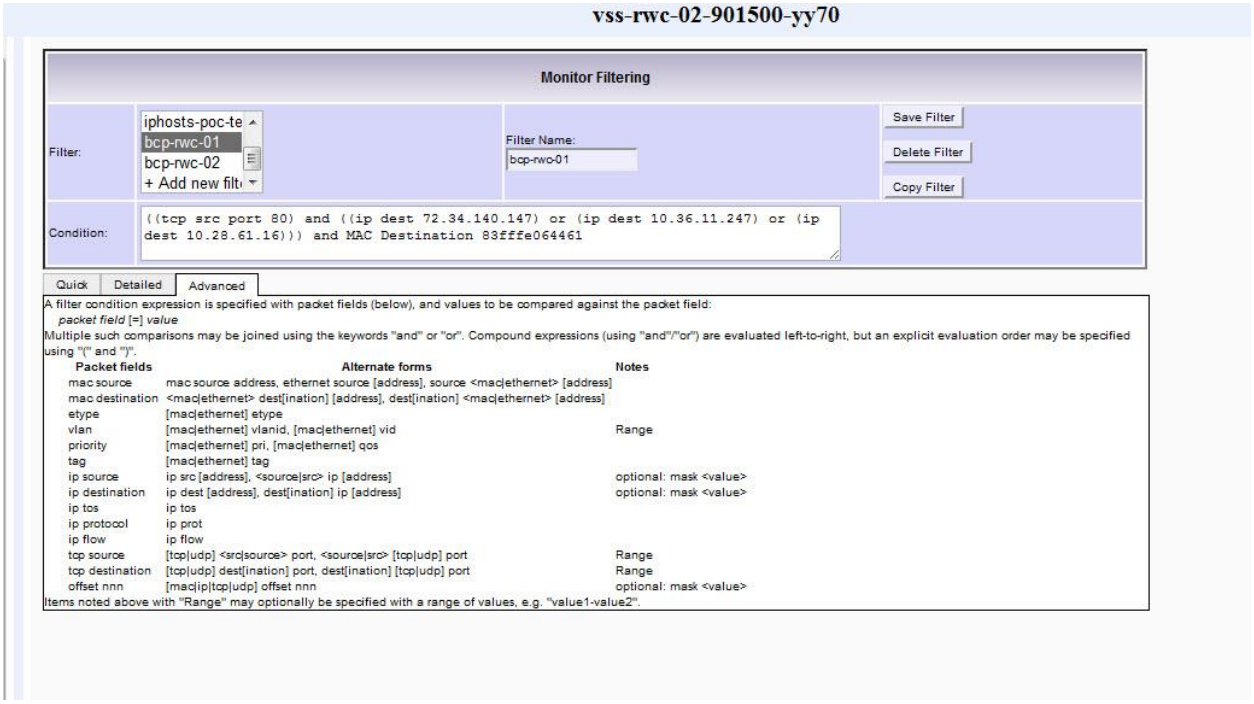
Following use cases executed in this scenario:

- Send 10 clients GET request to one Server. Simple HTTP GET request. Run tcpdump in both FireEyes. Analyze the results of tcpdump. Objective is to check if inline devices are seeing that traffic. Also, to observe traffic is getting load balance
- #tcpdump –ni pether3 –f 'host x.x.x.x'
- Send 100 Clients GET request to 10 servers. Simple HTTP GET request. Run tcpdump in both FireEye. Analyze the results of tcpdump. Objective is to check load balance.
- Send 10 Clients GET request to 1 server. Each GET is malware pdf download. Objective is to verify FireEye blocking feature.
- Find maximum transaction per sec throughput of FireEye. Couple of GET should be malware. Check if FireEye can catch it.

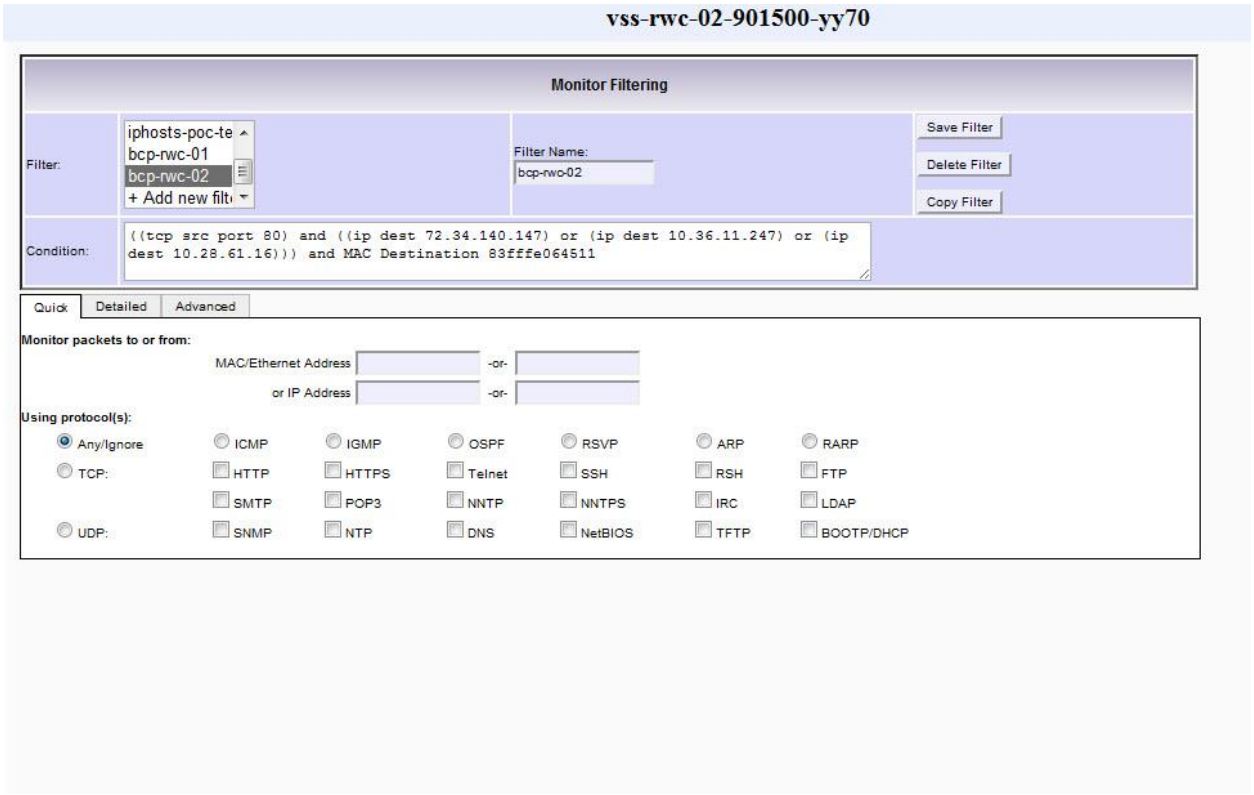
Deployment



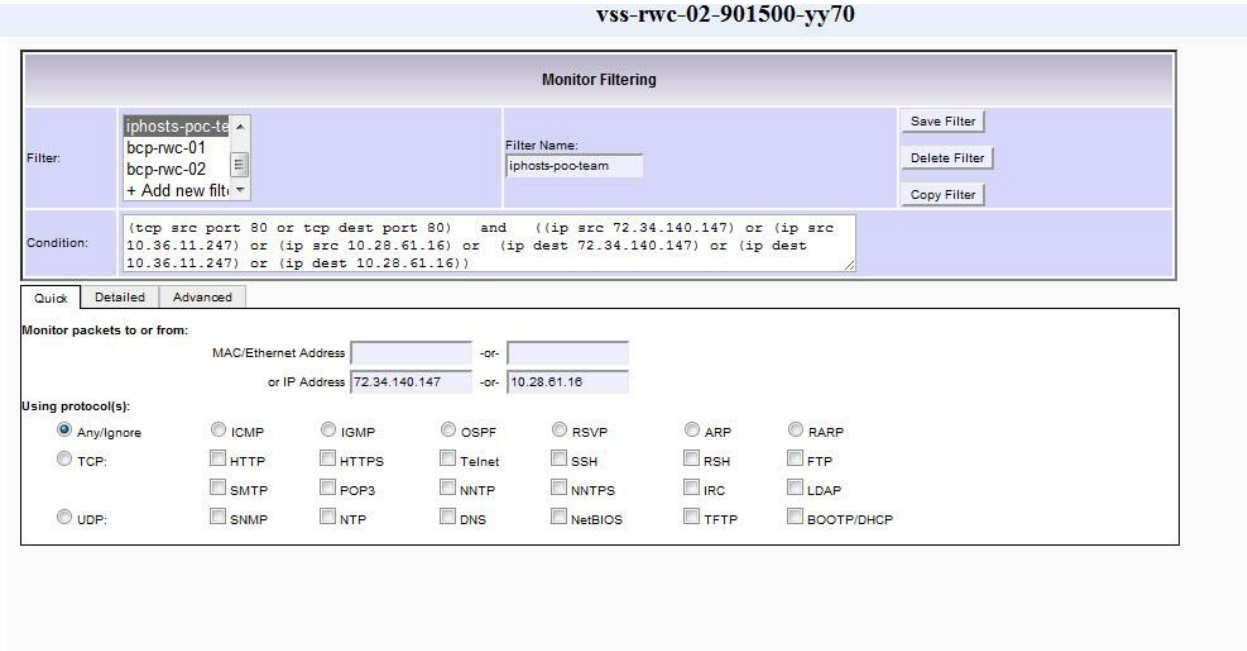
Filter 1



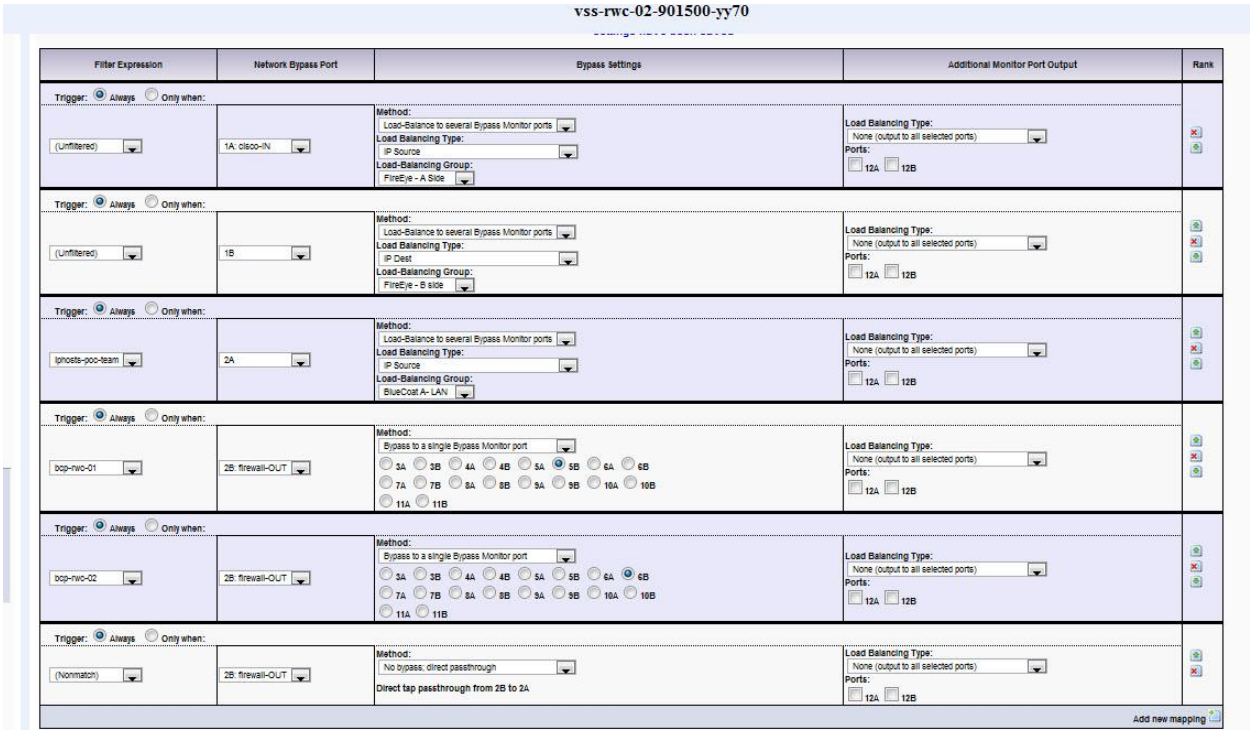
Filter 2



Filter 3

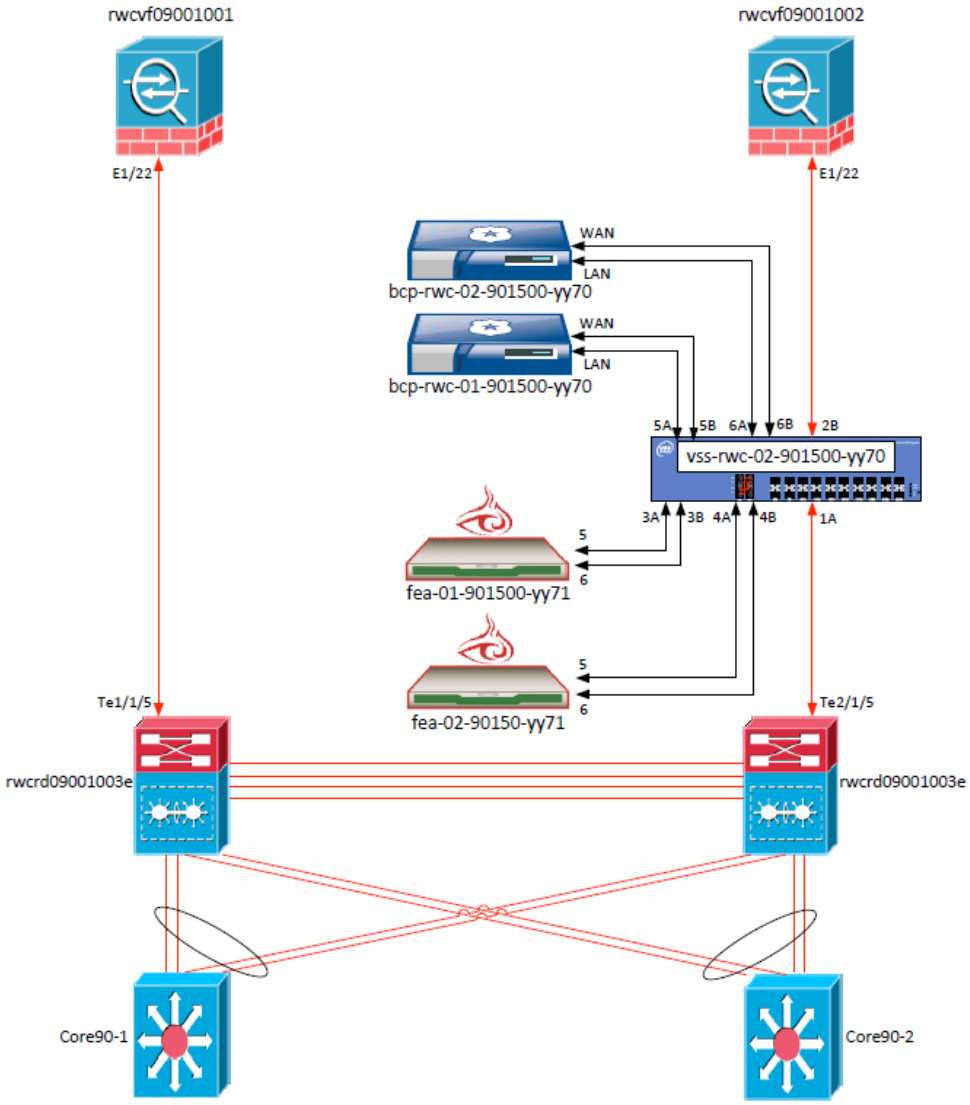


Bypass Settings



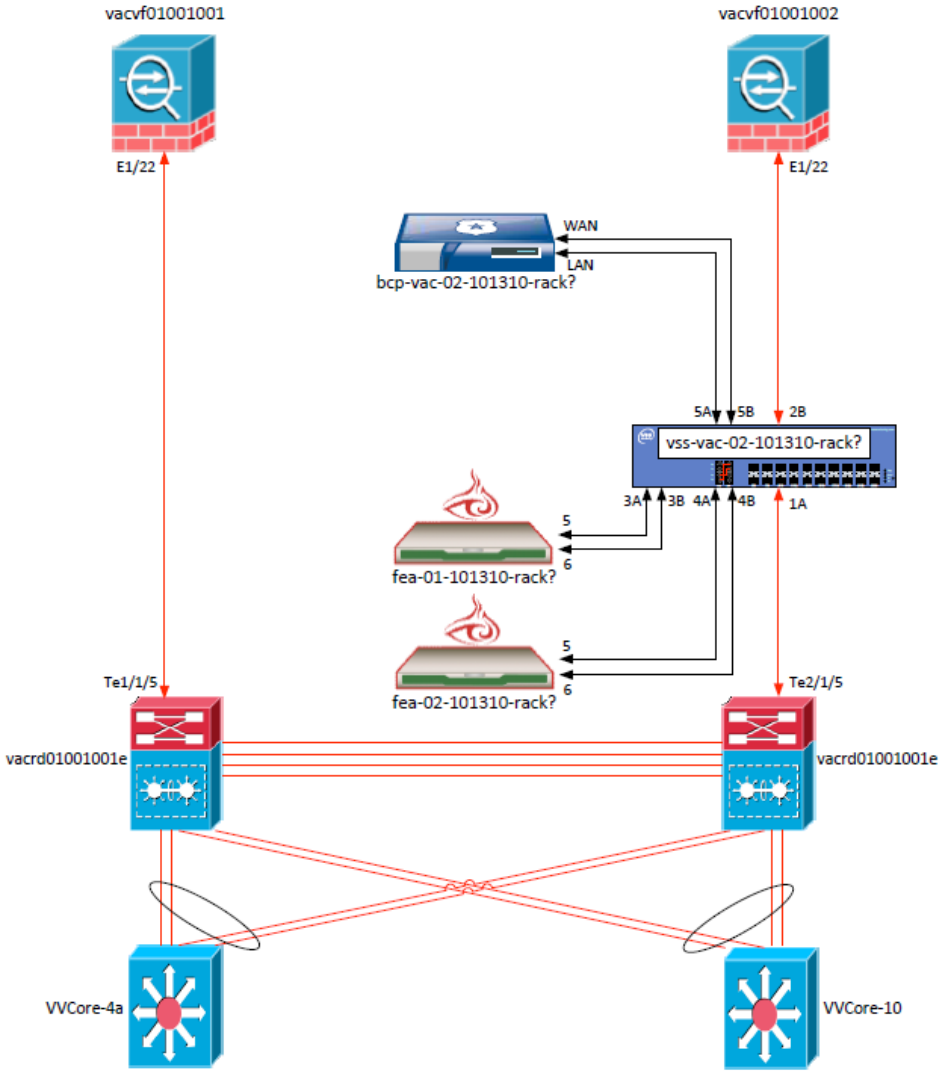
March 14, 2012

RWC VSS-BC-FE Network Physical Diagram Phase 1 v4



March 14, 2012

VAC VSS-BC-FE Network Physical Diagram Phase 1 v4



Chapter 5 Dominion

Dominion Screen Snapshots

System Status:

OJRP - Primary

Sunday, January 20, 2013 8:10:28 PM (21 Jan 2013 04:10:28 UTC)
System Name: OJRP - Primary
System Location: OJRP 1B - Firewall Cage
System Contact: Network Operations WAN
Internal Temperature: Normal (82 °F, 28 °C)
Main Power Supply #1: Zero or low voltage

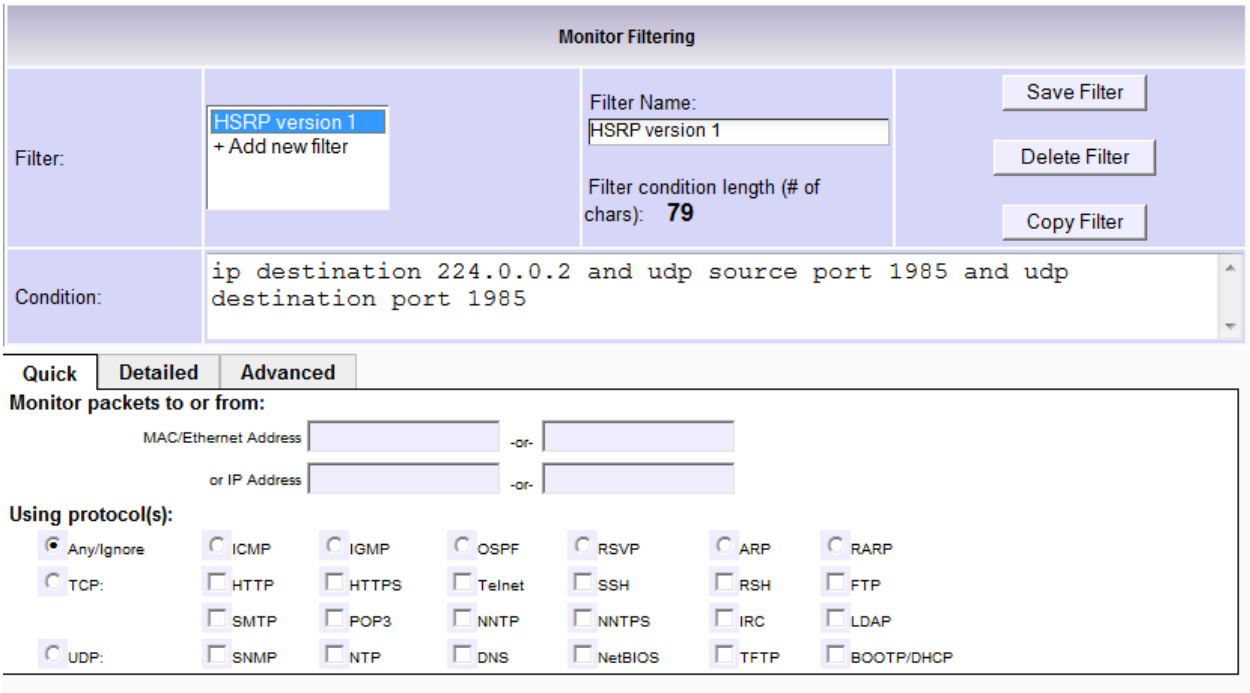
Booted Sunday, January 20, 2013 7:30:10 PM (21 Jan 2013 03:30:10 UTC)
Running 0 days, 0 hours, 40 minutes, 18 seconds
Last configuration change Tuesday, December 18, 2012 10:34:30 AM
The Monitor Buffer is OK
Main Power Supply #2: Normal voltage

Power Supply / Voltage Alert

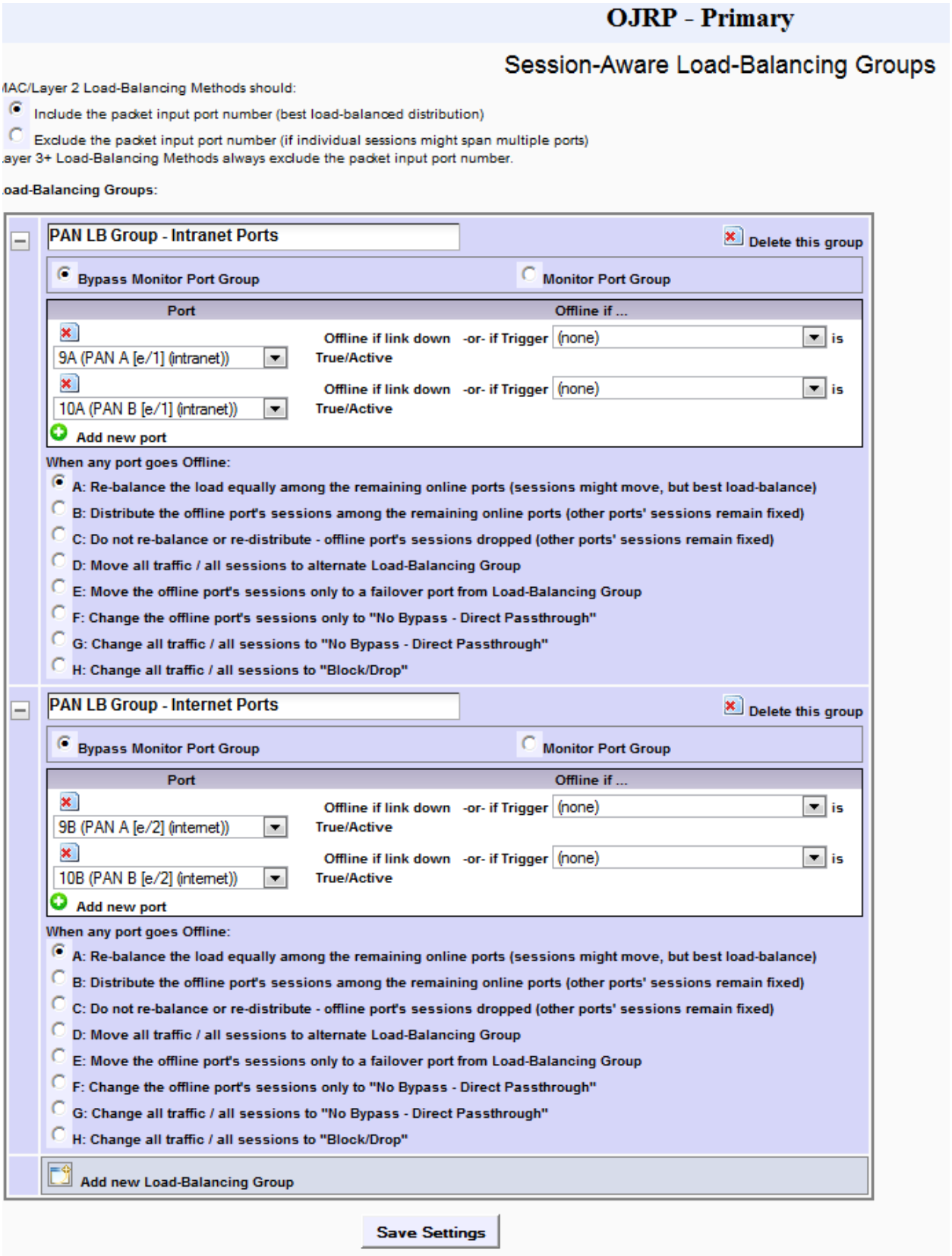
Port Status

Port	Name	Link	Speed	Duplex	Negotiate	MDI	Class	Monitor	Status	Setup
1A	ASR (intranet)	Up	1G	Full	Auto	Auto	Network Bypass	To: 1B 3A From: 1B 3A	LinkSafe OK	Setup
1B	5K (internet)	Down	---	--	Auto	Auto	Network Bypass	To: 1A 3B From: 1A 3B	LinkSafe Enabled	Setup
2A		Down	---	--	Auto	Auto	Network Bypass		--	Setup
2B		Down	---	--	Auto	Auto	Network Bypass		--	Setup
3A	Netronome [A/1] (intranet)	Up	1G	Full	Auto	Auto	Bypass Monitor	From: 1A To: 1A	OK	Setup
3B	Netronome [A/4] (internet)	Up	1G	Full	Auto	Auto	Bypass Monitor	From: 1B To: 1B	OK	Setup
4A	Netronome [A/2] (to sec dev)	Up	1G	Full	Auto	Auto	Network Bypass	To: 5A From: 5A	OK	Setup
4B	Netronome [A/3] (from sec dev)	Up	1G	Full	Auto	Auto	Network Bypass	To: 5B From: 5B	OK	Setup
5A	Jumper [5A-6A] (NN-FE)	Up	1G	Full	Auto	Auto	Bypass Monitor	From: 4A To: 4A	OK	Setup
5B	Jumper [7B-5B] (PA-NN)	Up	1G	Full	Auto	Auto	Bypass Monitor	From: 4B To: 4B	OK	Setup
6A	Jumper [6A-5A] (FE-NN)	Up	1G	Full	Auto	Auto	Network Bypass	To: 6B From: 6B	LinkSafe OK	Setup
6B	Jumper [6B-7A] (FE-PA)	Up	1G	Full	Auto	Auto	Network Bypass	To: 6A From: 6A	LinkSafe OK	Setup
7A	Jumper [6B-7A] (PA-FE)	Up	1G	Full	Auto	Auto	Network Bypass	To: 7B From: 7B	OK	Setup
7B	Jumper [7B-5B] (PA-NN)	Up	1G	Full	Auto	Auto	Network Bypass	To: 7A From: 7A	OK	Setup
8A	FireEye [pether4] (intranet)	Up	1G	Full	Auto	Auto	Bypass Monitor		OK	Setup
8B	FireEye [pether3] (internet)	Up	1G	Full	Auto	Auto	Bypass Monitor		OK	Setup
9A	PAN A [e/1] (intranet)	Up	1G	Full	--	--	Bypass Monitor		LinkSafe OK	Setup
9B	PAN A [e/2] (internet)	Up	1G	Full	--	--	Bypass Monitor		LinkSafe OK	Setup
10A	PAN B [e/1] (intranet)	Down	---	--	--	--	Bypass Monitor		LinkSafe Enabled	Setup
10B	PAN B [e/2] (internet)	Down	---	--	--	--	Bypass Monitor		LinkSafe Enabled	Setup
11A		Down	---	--	--	--	Bypass Monitor		LinkSafe Enabled	Setup
11B		Down	---	--	--	--	Bypass Monitor		LinkSafe Enabled	Setup
12A	CSOC Sniffer	Down	---	--	--	--	Monitor		--	Setup
12B	Infinistream	Down	---	--	--	--	Monitor		--	Setup

Monitor Filtering:



Load Balancing:



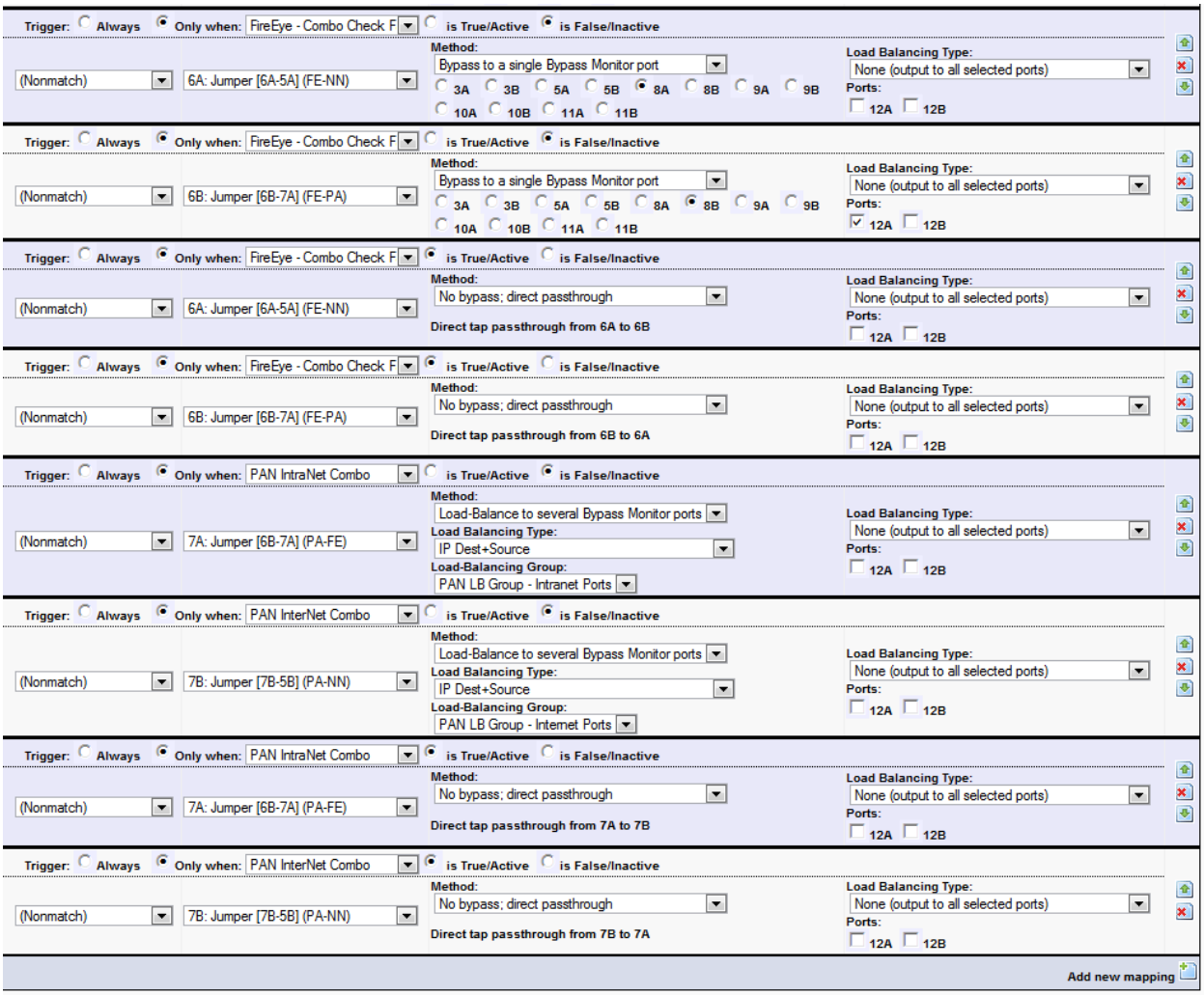
Bypass Monitor I:

Filtering and Bypass/Monitor Output Settings

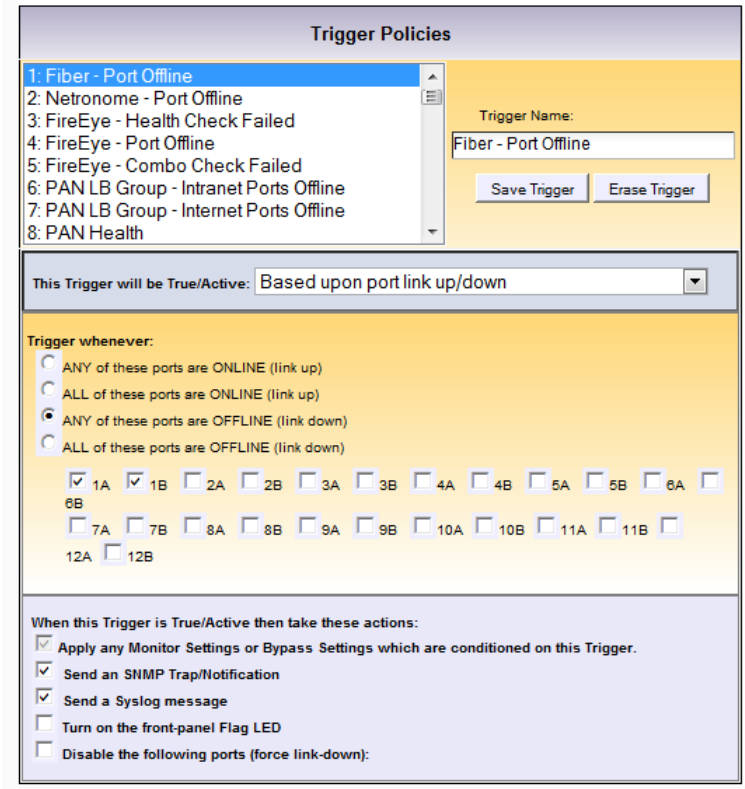
Each row in the table below represents a mapping of Network Bypass Ports to Bypass Monitor Ports and Monitor Port output.
To add a new mapping row, click the "+Add" button below.
To remove a mapping row, click the "Delete" button on the desired row.

Filter Expression	Network Bypass Port	Bypass Settings	Additional Monitor Port Output	Rank
Trigger: (•) Always ( ) Only when:				
HSRP version 1	1A: ASR (intranet)	Method: No bypass; direct passthrough Direct tap passthrough from 1A to 1B	Load Balancing Type: None (output to all selected ports) Ports: [ ] 12A [ ] 12B	
Trigger: (•) Always ( ) Only when:				
HSRP version 1	1B: 5K (internet)	Method: No bypass; direct passthrough Direct tap passthrough from 1B to 1A	Load Balancing Type: None (output to all selected ports) Ports: [ ] 12A [ ] 12B	
Trigger: ( ) Always (•) Only when: Netronome - Port Offline ( ) is True/Active (•) is False/Inactive				
(Nonmatch)	1A: ASR (intranet)	Method: Bypass to a single Bypass Monitor port (•) 3A ( ) 3B ( ) 5A ( ) 5B ( ) 8A ( ) 8B ( ) 9A ( ) 9B ( ) 10A ( ) 10B ( ) 11A ( ) 11B	Load Balancing Type: None (output to all selected ports) Ports: [ ] 12A [ ] 12B	
Trigger: ( ) Always (•) Only when: Netronome - Port Offline ( ) is True/Active (•) is False/Inactive				
(Nonmatch)	1B: 5K (internet)	Method: Bypass to a single Bypass Monitor port ( ) 3A (•) 3B ( ) 5A ( ) 5B ( ) 8A ( ) 8B ( ) 9A ( ) 9B ( ) 10A ( ) 10B ( ) 11A ( ) 11B	Load Balancing Type: None (output to all selected ports) Ports: [ ] 12A [ ] 12B	
Trigger: ( ) Always (•) Only when: Netronome - Port Offline ( ) is True/Active (•) is False/Inactive				
(Nonmatch)	4A: Netronome [A/2] (to sec dev)	Method: Bypass to a single Bypass Monitor port ( ) 3A ( ) 3B (•) 5A ( ) 5B ( ) 8A ( ) 8B ( ) 9A ( ) 9B ( ) 10A ( ) 10B ( ) 11A ( ) 11B	Load Balancing Type: None (output to all selected ports) Ports: [ ] 12A [ ] 12B	
Trigger: ( ) Always (•) Only when: Netronome - Port Offline ( ) is True/Active (•) is False/Inactive				
(Nonmatch)	4B: Netronome [A/3] (from sec dev)	Method: Bypass to a single Bypass Monitor port ( ) 3A ( ) 3B ( ) 5A (•) 5B ( ) 8A ( ) 8B ( ) 9A ( ) 9B ( ) 10A ( ) 10B ( ) 11A ( ) 11B	Load Balancing Type: None (output to all selected ports) Ports: [ ] 12A [ ] 12B	
Trigger: ( ) Always (•) Only when: Netronome - Port Offline (•) is True/Active ( ) is False/Inactive				
(Nonmatch)	1A: ASR (intranet)	Method: Bypass to a single Bypass Monitor port ( ) 3A ( ) 3B (•) 5A ( ) 5B ( ) 8A ( ) 8B ( ) 9A ( ) 9B ( ) 10A ( ) 10B ( ) 11A ( ) 11B	Load Balancing Type: None (output to all selected ports) Ports: [ ] 12A [ ] 12B	
Trigger: ( ) Always (•) Only when: Netronome - Port Offline (•) is True/Active ( ) is False/Inactive				
(Nonmatch)	1B: 5K (internet)	Method: Bypass to a single Bypass Monitor port ( ) 3A ( ) 3B ( ) 5A (•) 5B ( ) 8A ( ) 8B ( ) 9A ( ) 9B ( ) 10A ( ) 10B ( ) 11A ( ) 11B	Load Balancing Type: None (output to all selected ports) Ports: [ ] 12A [ ] 12B	

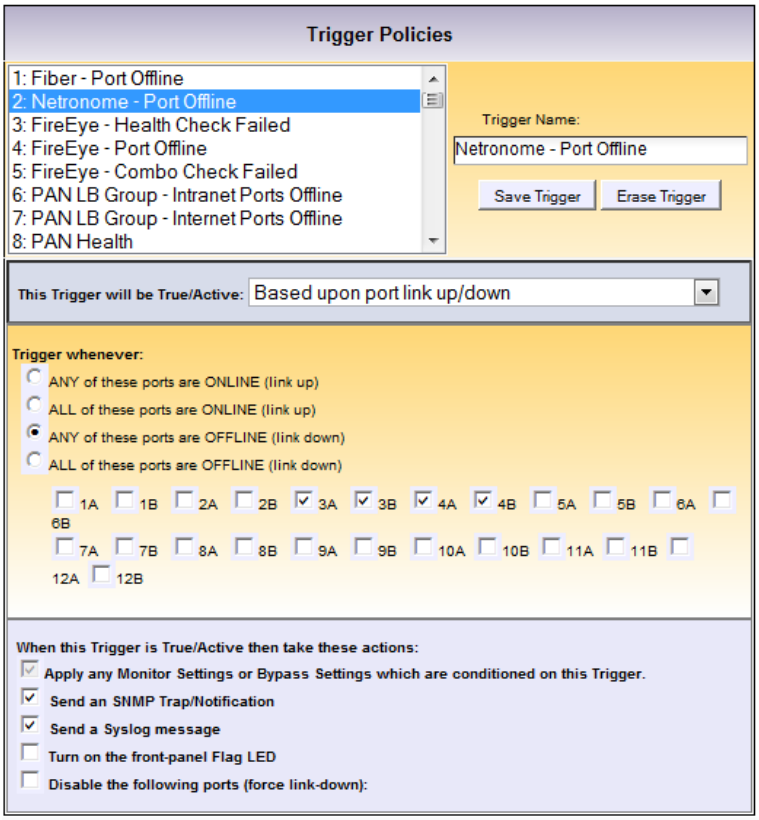
Bypass Monitor II:



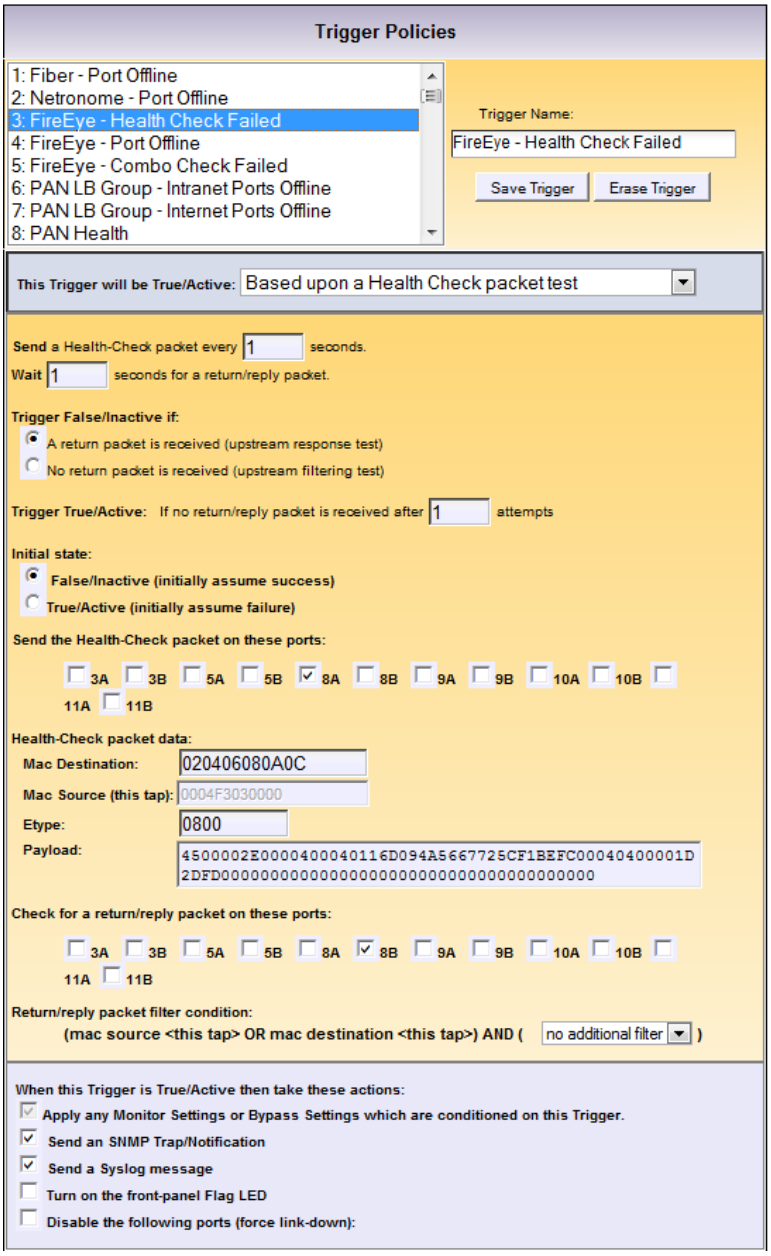
Triggers:



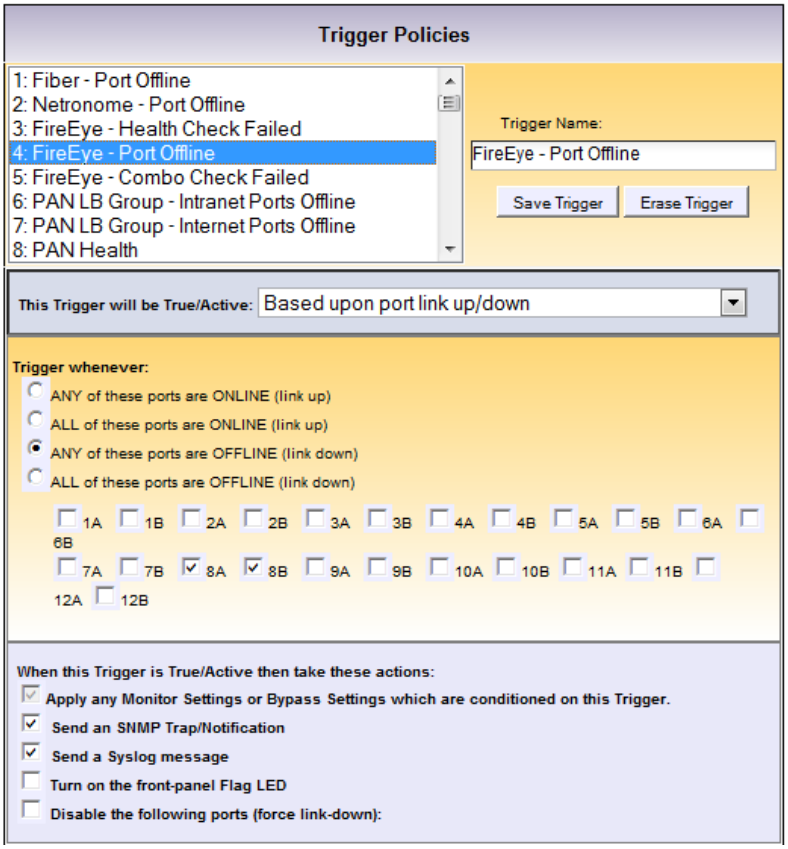
Current Trigger States	
Fiber - Port Offline	True/Active
Netronome - Port Offline	False/Inactive
FireEye - Health Check Failed	True/Active
FireEye - Port Offline	False/Inactive
FireEye - Combo Check Failed	True/Active
PAN LB Group - Intranet Ports Offline	False/Inactive
PAN LB Group - Internet Ports Offline	False/Inactive
PAN Health	True/Active
PAN IntraNet Combo	True/Active
PAN InterNet Combo	True/Active



Current Trigger States	
Fiber - Port Offline	True/Active
Netronome - Port Offline	False/Inactive
FireEye - Health Check Failed	True/Active
FireEye - Port Offline	False/Inactive
FireEye - Combo Check Failed	True/Active
PAN LB Group - Intranet Ports Offline	False/Inactive
PAN LB Group - Internet Ports Offline	False/Inactive
PAN Health	True/Active
PAN IntraNet Combo	True/Active
PAN InterNet Combo	True/Active



Current Trigger States	
Fiber - Port Offline	True/Active
Netronome - Port Offline	False/Inactive
FireEye - Health Check Failed	True/Active
FireEye - Port Offline	False/Inactive
FireEye - Combo Check Failed	True/Active
PAN LB Group - Intranet Ports Offline	False/Inactive
PAN LB Group - Internet Ports Offline	False/Inactive
PAN Health	True/Active
PAN IntraNet Combo	True/Active
PAN InterNet Combo	True/Active



Current Trigger States	
Fiber - Port Offline	True/Active
Netronome - Port Offline	False/Inactive
FireEye - Health Check Failed	True/Active
FireEye - Port Offline	False/Inactive
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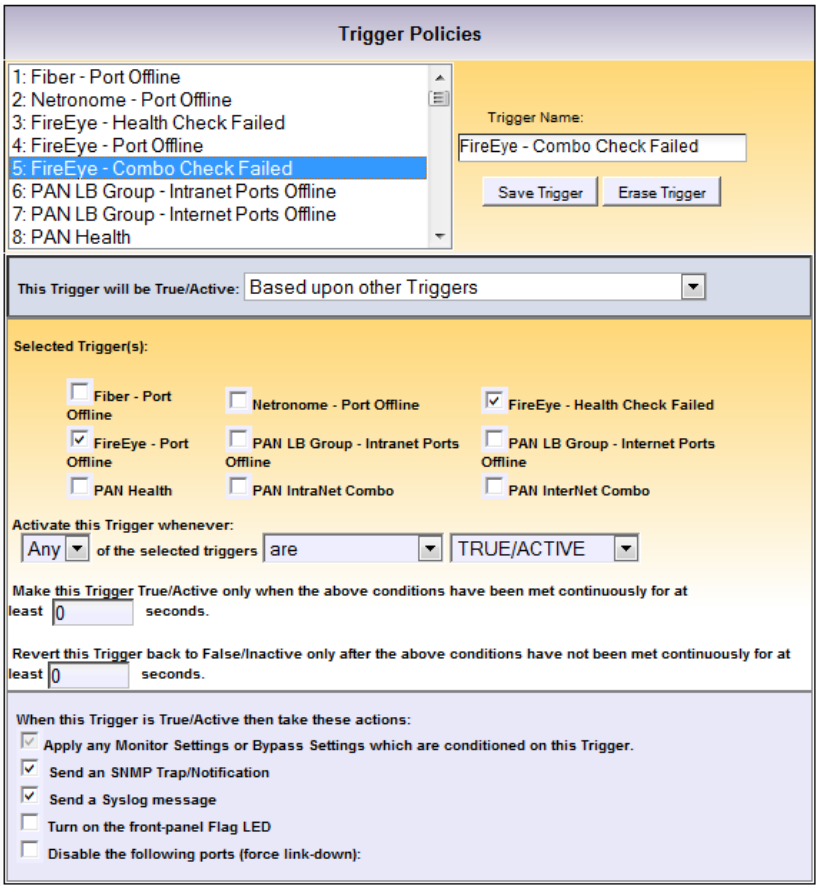
PAN LB Group - Intranet Ports Offline	False/Inactive
PAN LB Group - Internet Ports Offline	False/Inactive
PAN Health	True/Active
PAN IntraNet Combo	True/Active
PAN InterNet Combo	True/Active



Current Trigger States	
Fiber - Port Offline	True/Active
Netronome - Port Offline	False/Inactive
FireEye - Health Check Failed	True/Active
FireEye - Port Offline	False/Inactive
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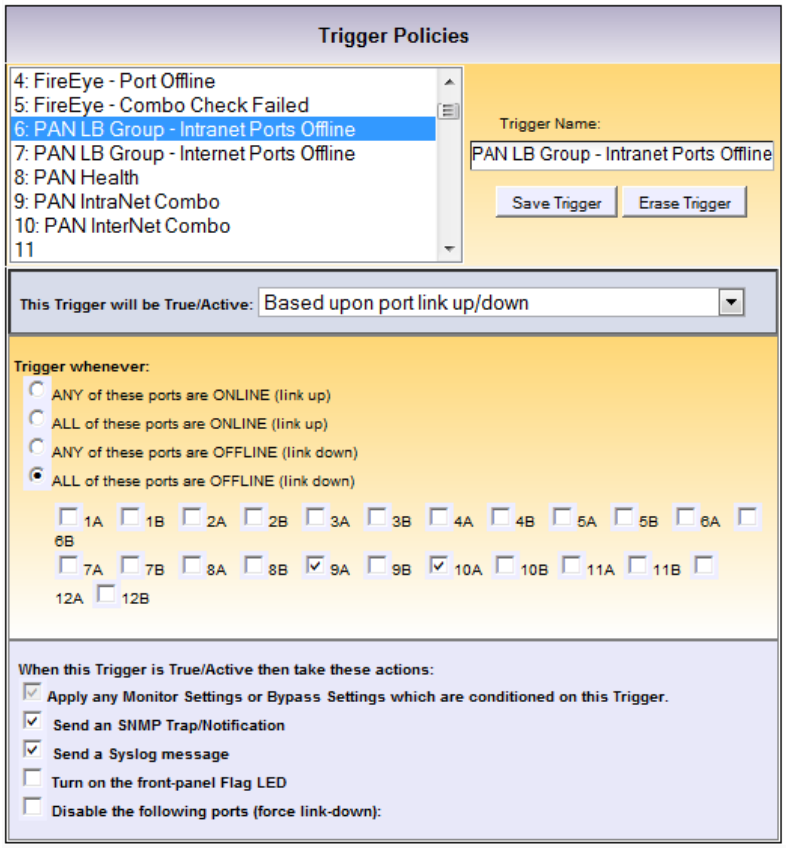
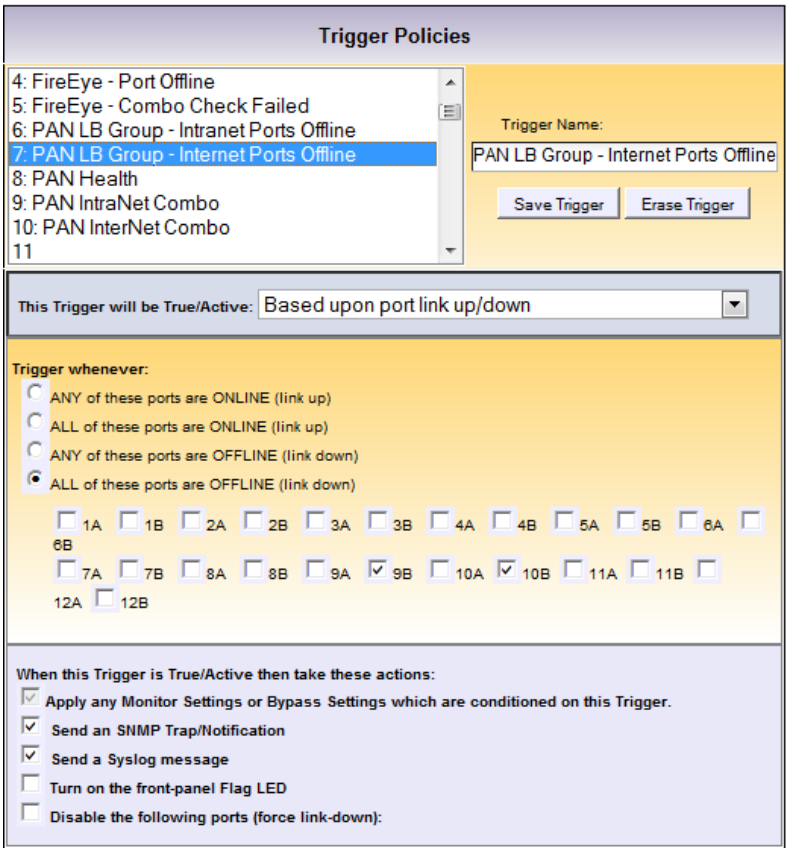
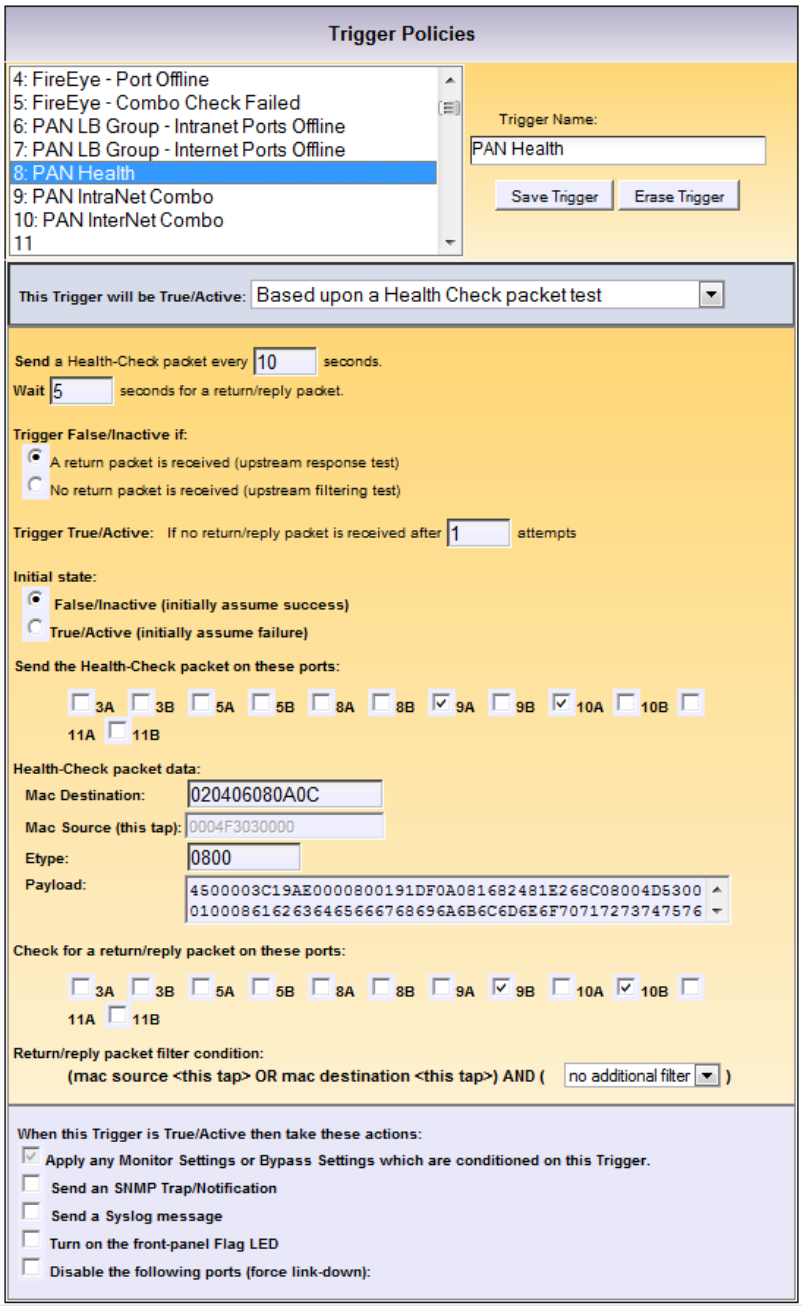
PAN LB Group - Intranet Ports Offline	False/Inactive
PAN LB Group - Internet Ports Offline	False/Inactive
PAN Health	True/Active
PAN IntraNet Combo	True/Active
PAN InterNet Combo	True/Active



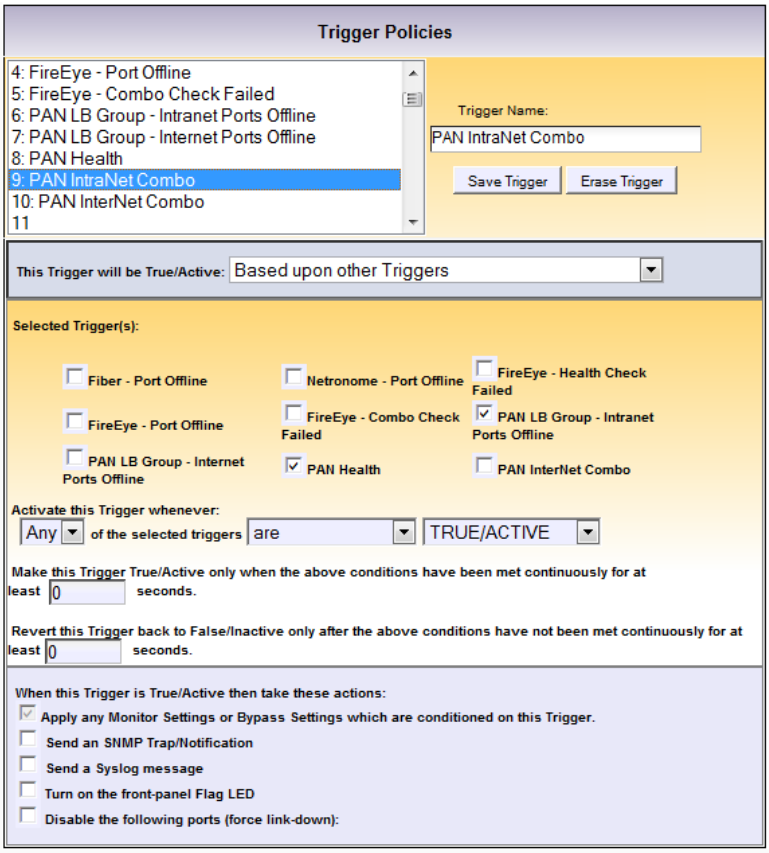
Current Trigger States	
Fiber - Port Offline	True/Active
Netronome - Port Offline	False/Inactive
FireEye - Health Check Failed	True/Active
FireEye - Port Offline	False/Inactive
FireEye - Combo Check Failed	True/Active
PAN LB Group - Intranet Ports Offline	False/Inactive
PAN LB Group - Internet Ports Offline	False/Inactive
PAN Health	True/Active
PAN IntraNet Combo	True/Active
PAN InterNet Combo	True/Active



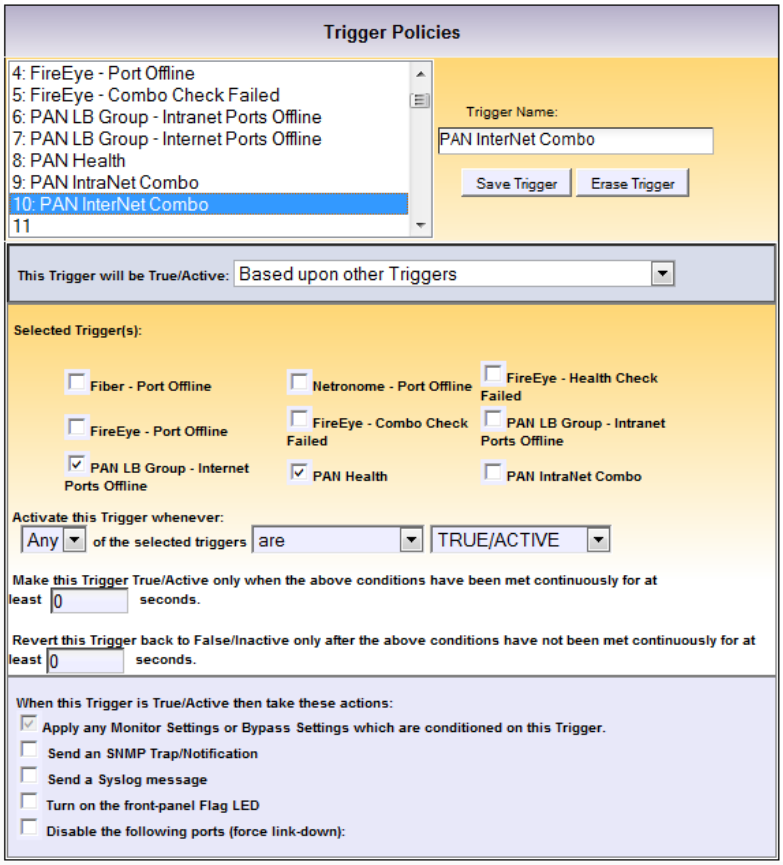
Current Trigger States	
Fiber - Port Offline	True/Active
Netronome - Port Offline	False/Inactive
FireEye - Health Check Failed	True/Active
FireEye - Port Offline	False/Inactive
FireEye - Combo Check Failed	True/Active
PAN LB Group - Intranet Ports Offline	False/Inactive
PAN LB Group - Internet Ports Offline	False/Inactive
PAN Health	True/Active
PAN IntraNet Combo	True/Active
PAN InterNet Combo	True/Active



Current Trigger States	
Fiber - Port Offline	True/Active
Netronome - Port Offline	False/Inactive
FireEye - Health Check Failed	True/Active
FireEye - Port Offline	False/Inactive
FireEye - Combo Check Failed	True/Active
PAN LB Group - Intranet Ports Offline	False/Inactive
PAN LB Group - Internet Ports Offline	False/Inactive
PAN Health	True/Active
PAN IntraNet Combo	True/Active
PAN InterNet Combo	True/Active

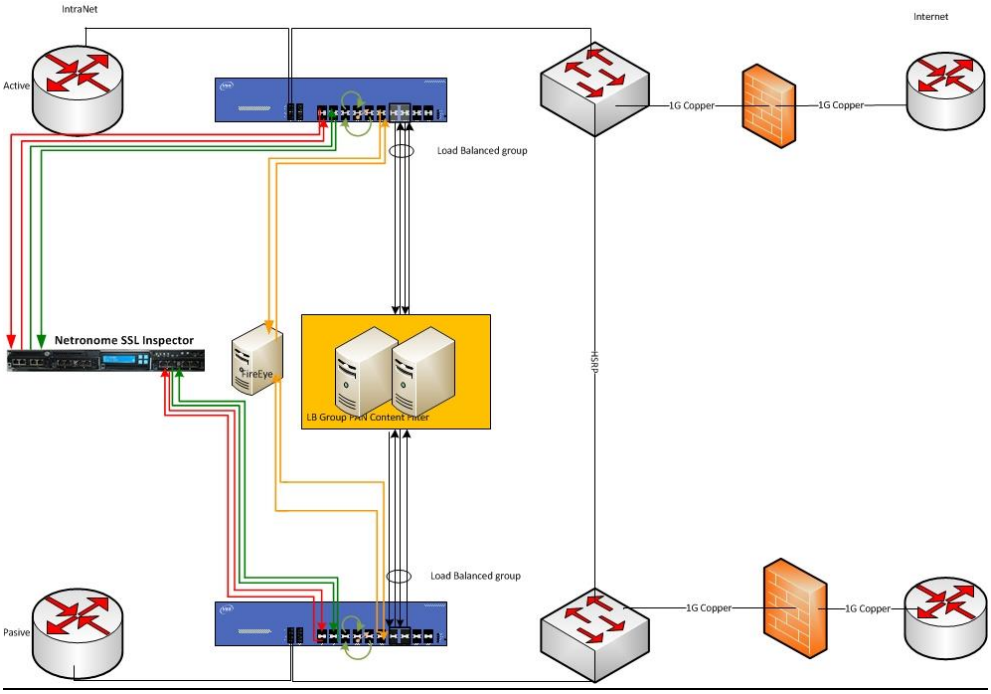


Current Trigger States	
Fiber - Port Offline	True/Active
Netronome - Port Offline	False/Inactive
FireEye - Health Check Failed	True/Active
FireEye - Port Offline	False/Inactive
FireEye - Combo Check Failed	True/Active
PAN LB Group - Intranet Ports Offline	False/Inactive
PAN LB Group - Internet Ports Offline	False/Inactive
PAN Health	True/Active
PAN IntraNet Combo	True/Active
PAN InterNet Combo	True/Active



Current Trigger States	
Fiber - Port Offline	True/Active
Netronome - Port Offline	False/Inactive
FireEye - Health Check Failed	True/Active
FireEye - Port Offline	False/Inactive
FireEye - Combo Check Failed	True/Active
PAN LB Group - Intranet Ports Offline	False/Inactive
PAN LB Group - Internet Ports Offline	False/Inactive
PAN Health	True/Active
PAN IntraNet Combo	True/Active
PAN InterNet Combo	True/Active

Diagram and Mappings:



Abbreviation
NB – Network Bypass
BM – Bypass Monitor
LB – Load Balance

Traffic from 1A (NB) ---Bypass to single monitor port 3A(BM)
3A(BM) will be directly connected to Netronome Port 0. Netronome Port 0 will send copy of decrypted traffic to its port 3. Port 3 is physically connected to 4A (NB)

4A (NB) ---Bypass to single monitor port 5A(BM)
5A(BM) physical loop to 6A (NB)
6A (NB) –Bypass to FireEye port 8A (BM)
Traffic from FireEye after inspection will be back to 8B (BM)
6B (NB) –Physical loop to 7A (NB)

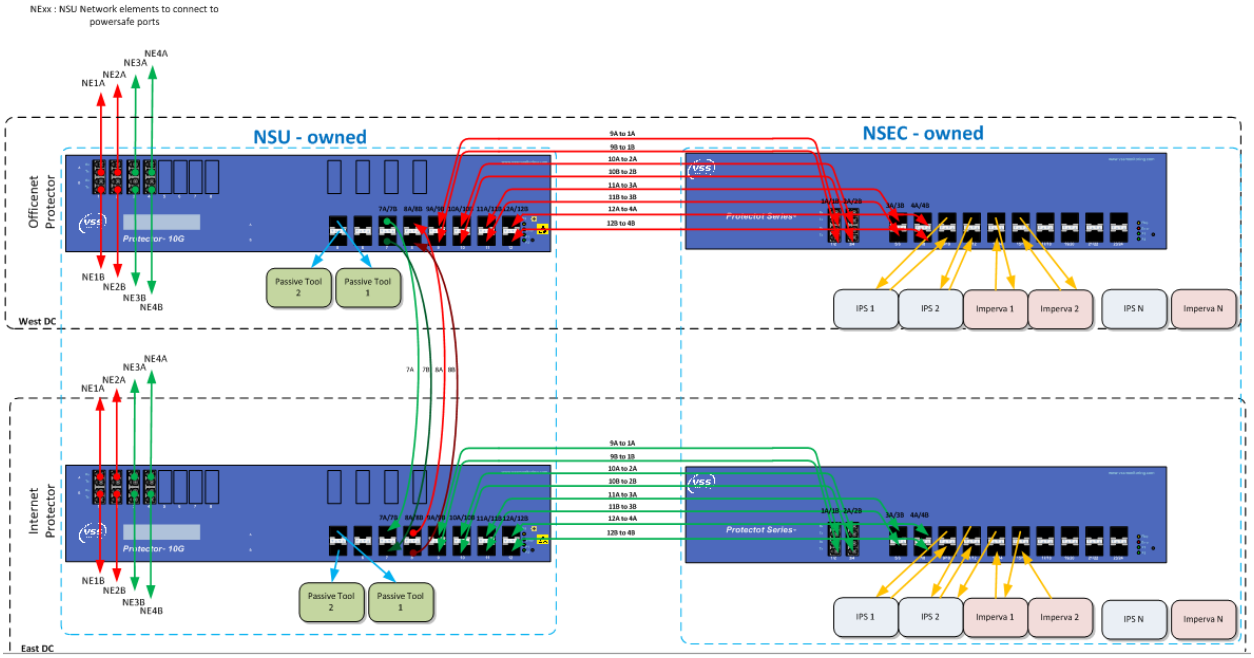
7A (NB) –Bypass to load balanced monitor ports 9A,10A (BM) to PAN
PANs are connected ports 9A (BM), 10A(BM)
After Load balance with PAN, inspected traffic will be back to 9B (BM), 10B (BM)
Traffic 9B (BM), 10B (BM) will return to 7B (NB)

7B (NB) –Physical loop to 5B (BM)
5B (BM) comes out on 4B (NB)
4B (NB) goes to netronome port 3 to be encrypted
Netronome encrypts traffic and sends it back on its own port 2 to protector port 3B(BM)
3B (BM) goes out port 1B (NB)

NB	BM
1A	3A
1B	3B
4A	5A
4B	5B
6A	8A
6B	8B
7A	9A,10A
7B	9B,10B

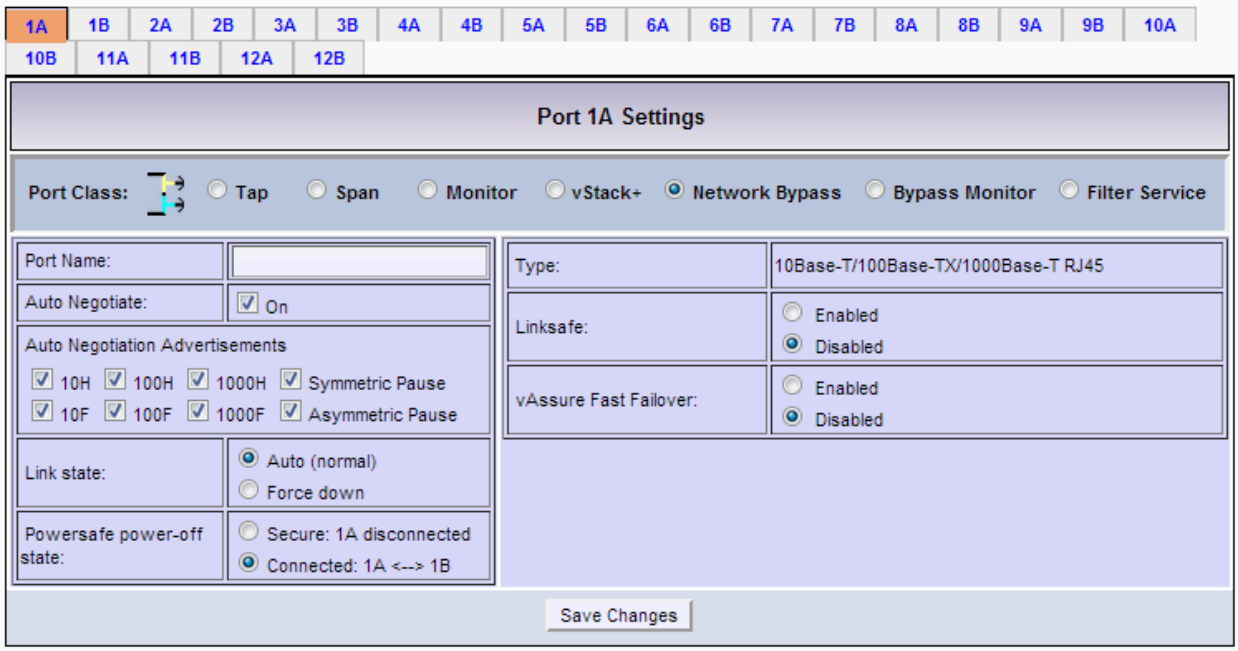
Chapter 6 Vodafone NSU Internet

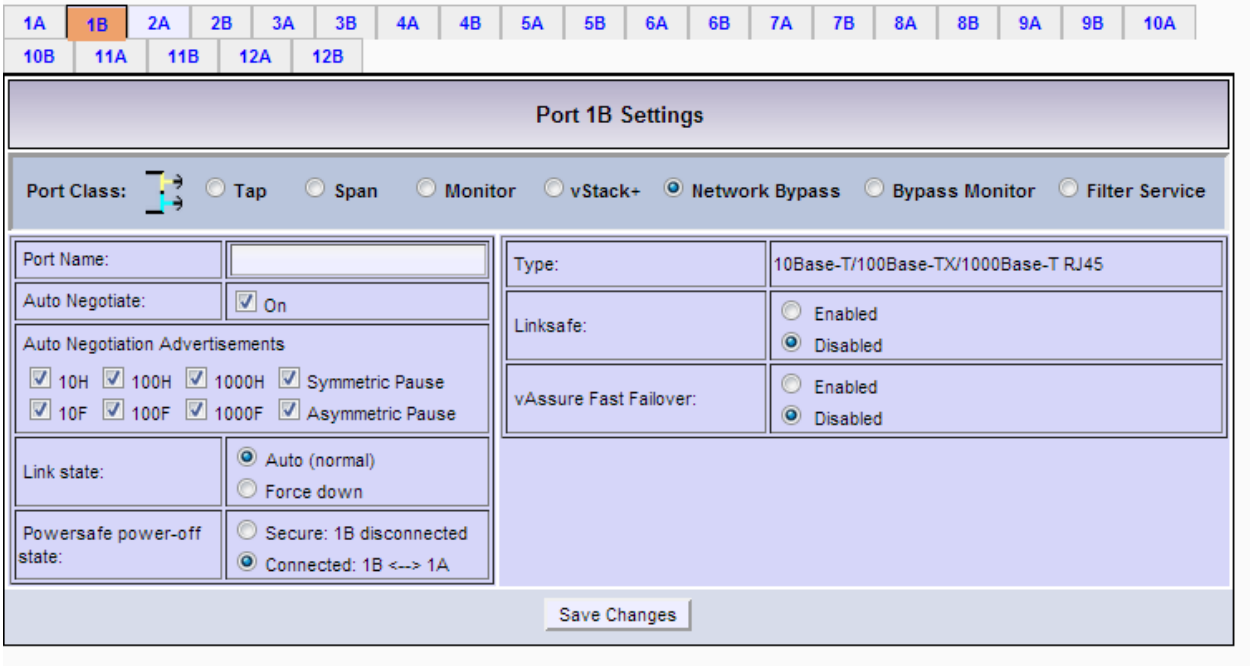
MILAN CONNECTIVITY DESIGN
SOLUTION 4 PROTECTORS

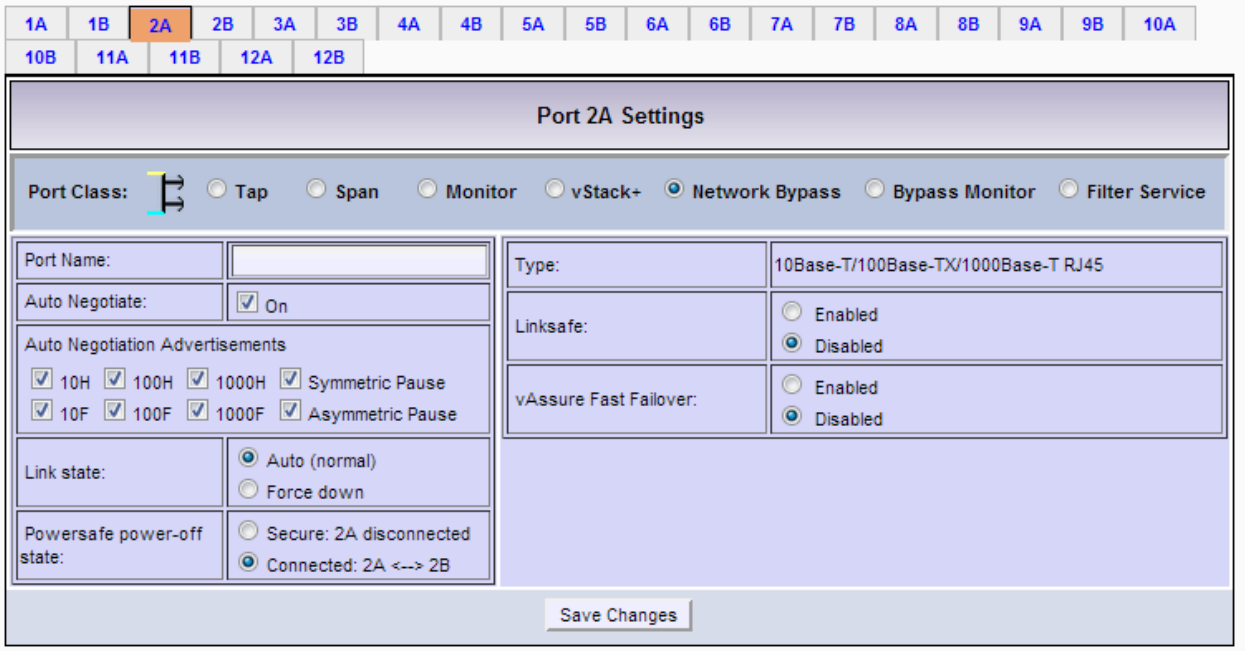


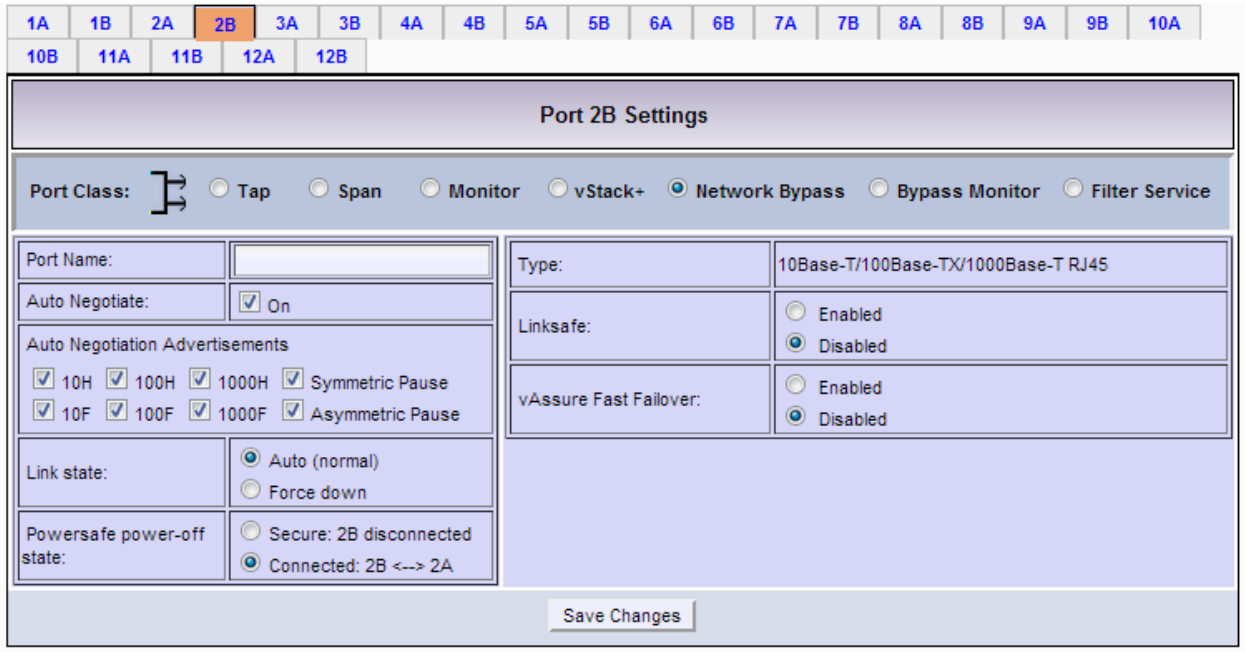
Port Status										
Port	Name	Link	Speed	Duplex	Negotiate	MDI	Class	Monitor	Status	Setup
1A		Down	---	--	Auto	Auto	Network Bypass	To: 1B 8A From: 1B 8A	--	Setup
1B		Up	1G	Full	Auto	Auto	Network Bypass	To: 1A 8B From: 1A 8B	OK	Setup
2A		Up	1G	Full	Auto	Auto	Network Bypass	To: 2B 8A From: 2B 8A	OK	Setup
2B		Up	1G	Full	Auto	Auto	Network Bypass	To: 2A 8B From: 2A 8B	OK	Setup
3A		Down	---	--	Auto	Auto	Network Bypass	To: 3B From: 3B	--	Setup
3B		Down	---	--	Auto	Auto	Network Bypass	To: 3A From: 3A	--	Setup
4A		Up	1G	Full	Auto	Auto	Network Bypass	To: 4B From: 4B	OK	Setup
4B		Up	1G	Full	Auto	Auto	Network Bypass	To: 4A From: 4A	OK	Setup
5A	Passive Tool IDS 1	Down	---	--	Auto	Auto	Monitor		--	Setup
5B	Passive Tool IDS 2	Down	---	--	Auto	Auto	Monitor		--	Setup
6A	Wireshark	Up	1G	Full	Auto	Auto	Monitor		OK	Setup
6B		Up	1G	Full	Auto	Auto	Monitor		OK	Setup
7A	NSU Remote Green	Down	---	--	Auto	Auto	Network Bypass	To: 7B From: 7B	--	Setup
7B	NSU Remote Green	Down	---	--	Auto	Auto	Network Bypass	To: 7A From: 7A	--	Setup
8A	NSU Remote Red	Up	1G	Full	Auto	Auto	Bypass Monitor	From: 1A 2A To: 1A 2A	OK	Setup
8B	NSU Remote Red	Up	1G	Full	Auto	Auto	Bypass Monitor	From: 1B 2B To: 1B 2B	OK	Setup
9A	NSEC Local	Down	---	--	--	--	Bypass Monitor		--	Setup
9B	NSEC Local	Down	---	--	--	--	Bypass Monitor		--	Setup
10A	NSEC Local	Down	---	--	--	--	Bypass Monitor		--	Setup
10B	NSEC Local	Down	---	--	--	--	Bypass Monitor		--	Setup
11A	NSEC Local	Down	---	--	--	--	Bypass Monitor		--	Setup
11B	NSEC Local	Down	---	--	--	--	Bypass Monitor		--	Setup
12A	NSEC Local	Down	---	--	--	--	Bypass Monitor		--	Setup
12B	NSEC Local	Down	---	--	--	--	Bypass Monitor		--	Setup

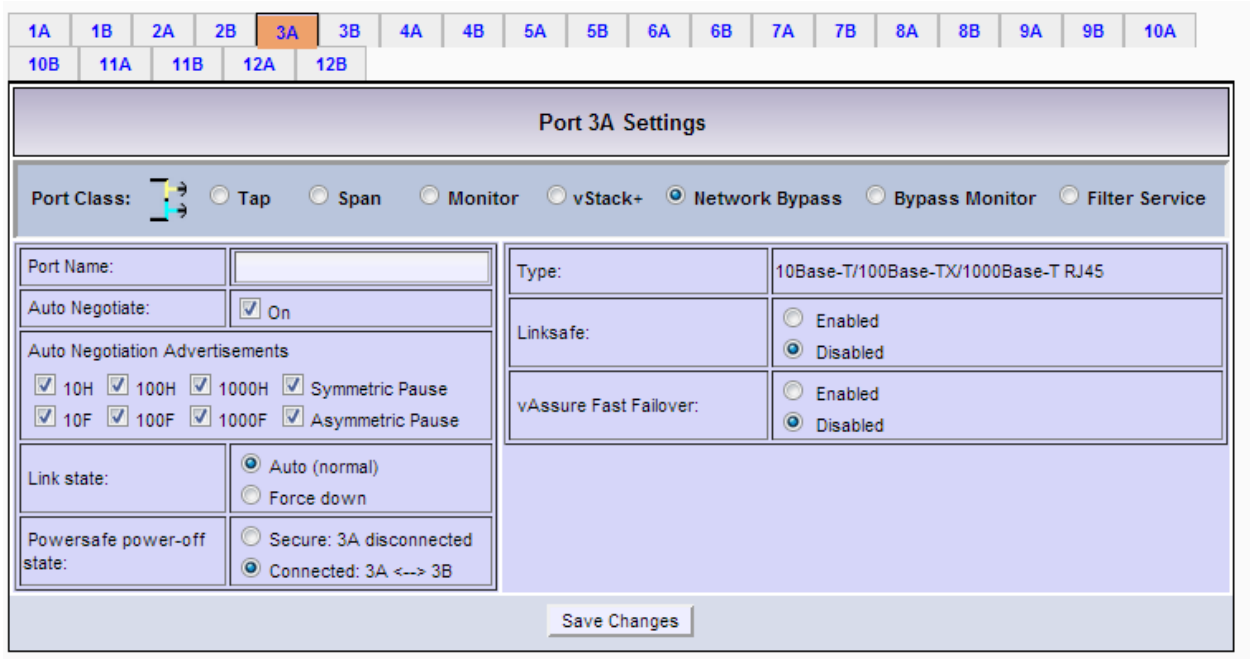
Port setup

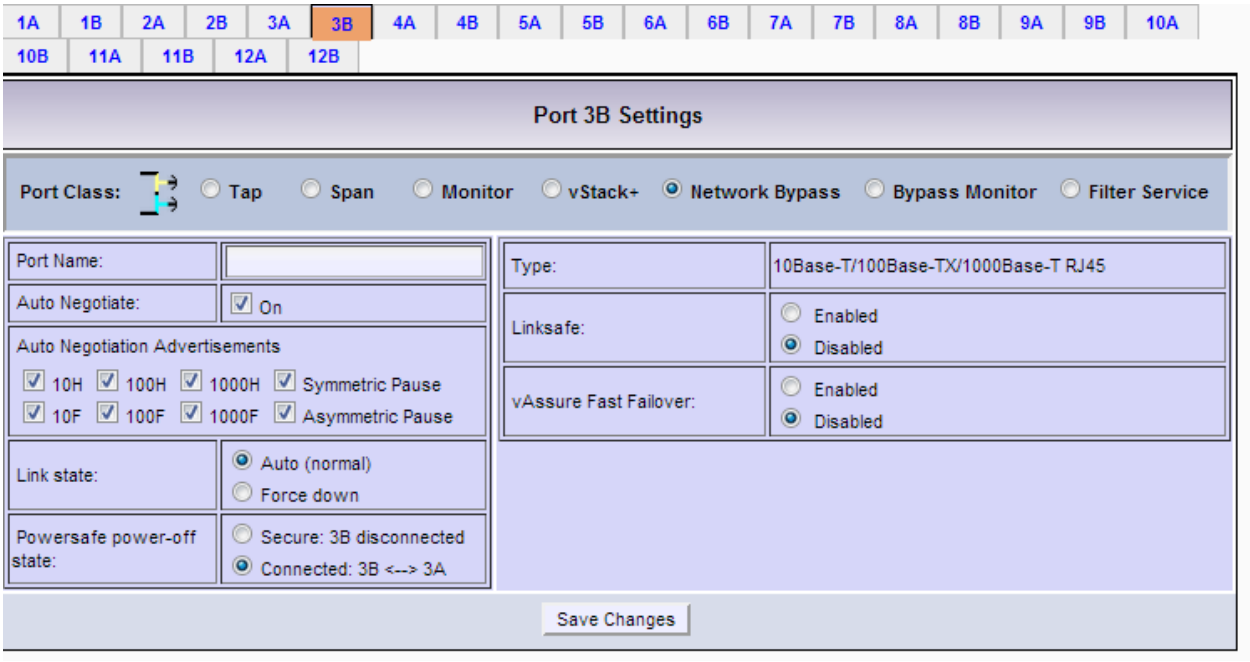

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 1A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 1A disconnected Connected: 1A <--> 1B
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

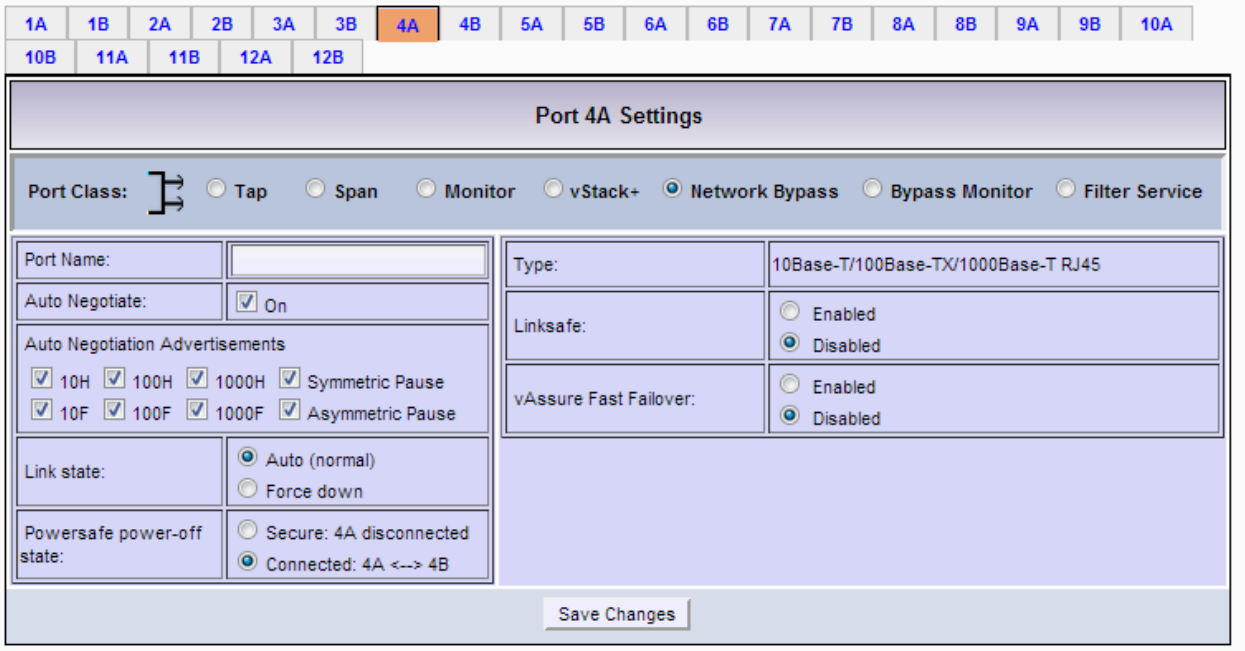

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 1B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 1B disconnected Connected: 1B <--> 1A
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

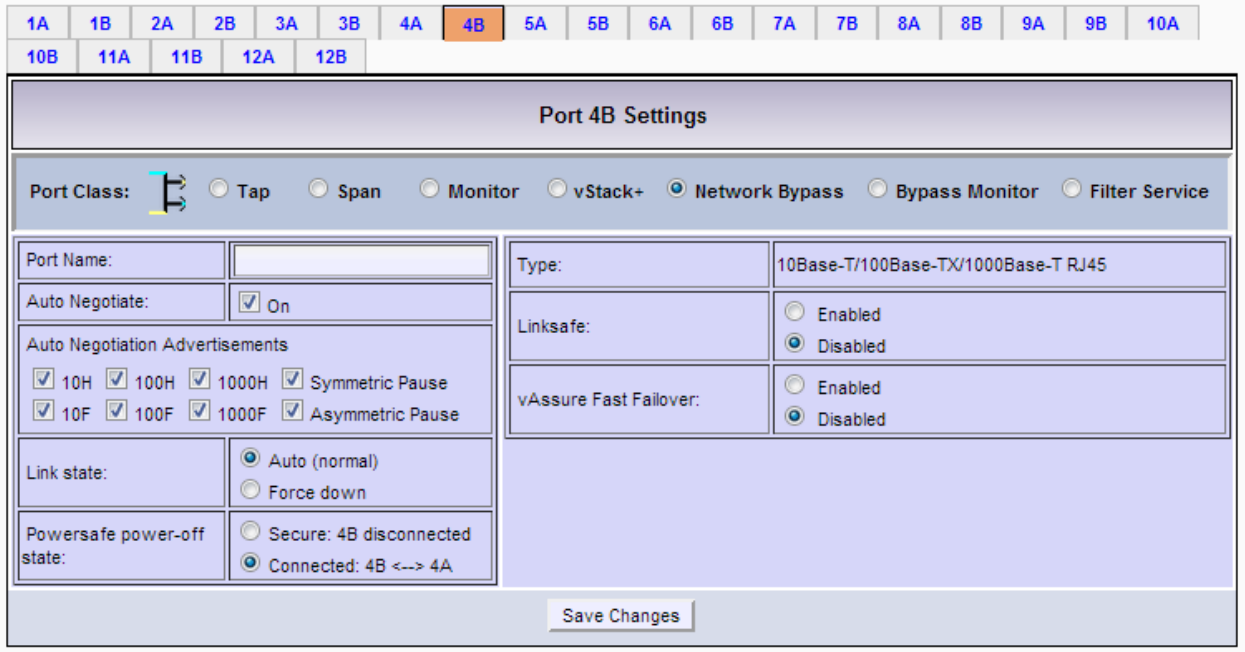

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 2A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 2A disconnected Connected: 2A <--> 2B
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

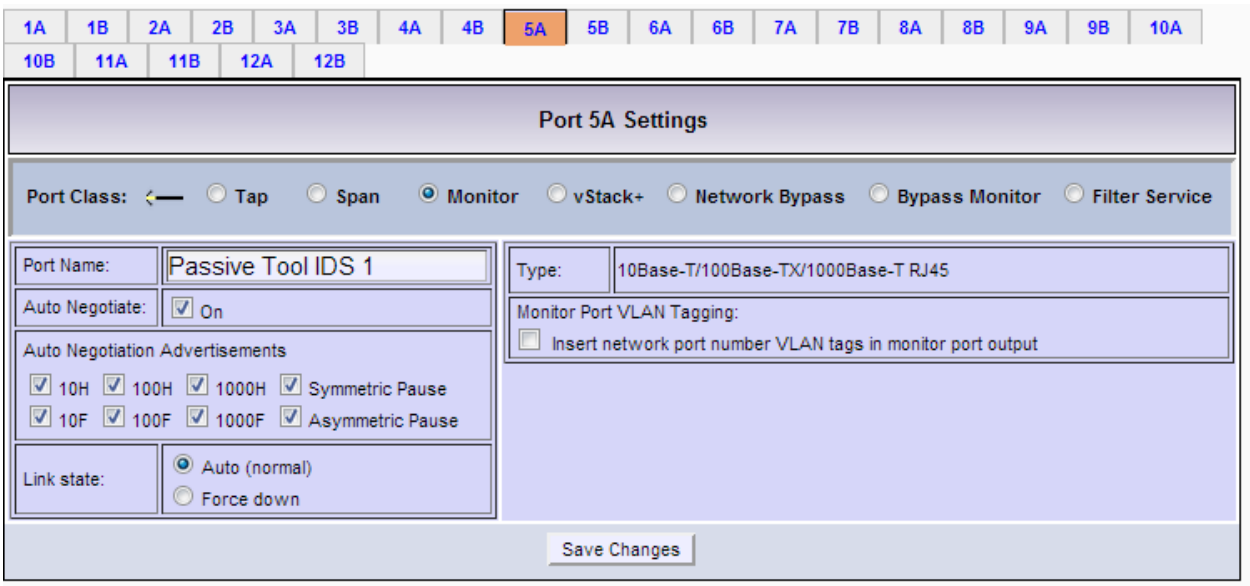

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 2B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 2B disconnected Connected: 2B <--> 2A
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

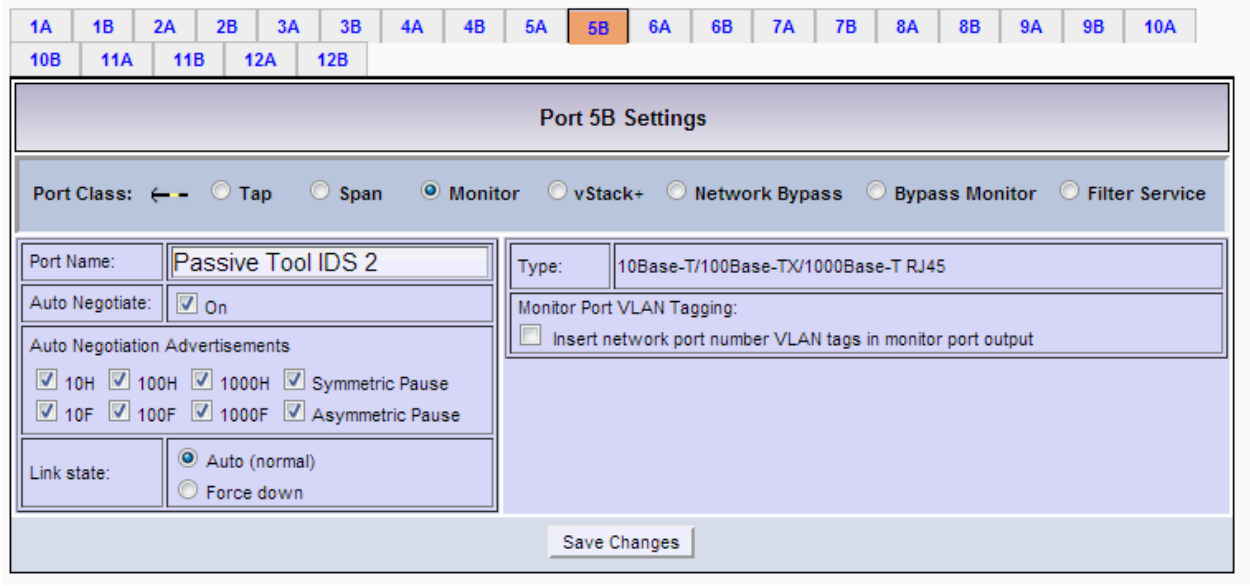

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 3A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 3A disconnected Connected: 3A <--> 3B
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

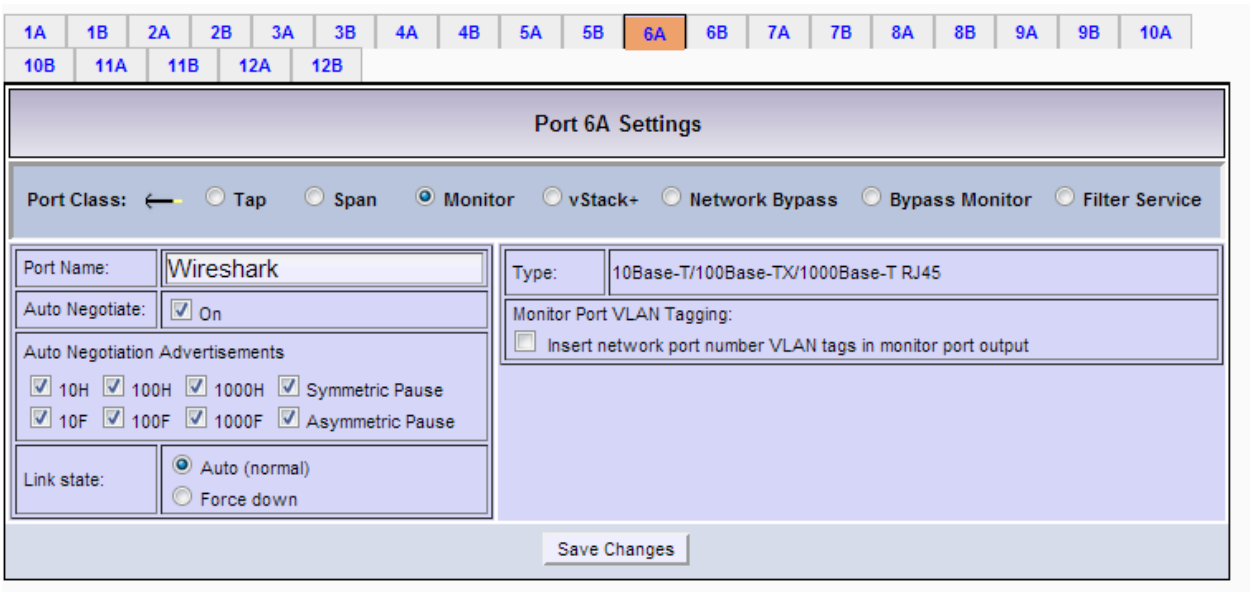

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 3B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 3B disconnected Connected: 3B <--> 3A
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

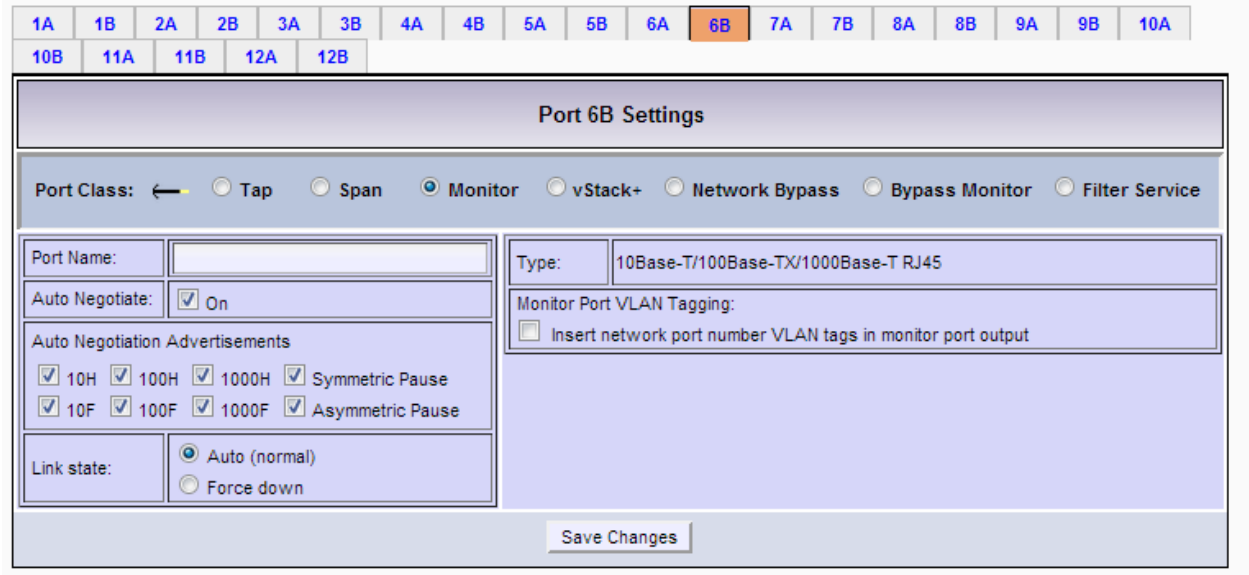

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 4A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 4A disconnected Connected: 4A <--> 4B
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

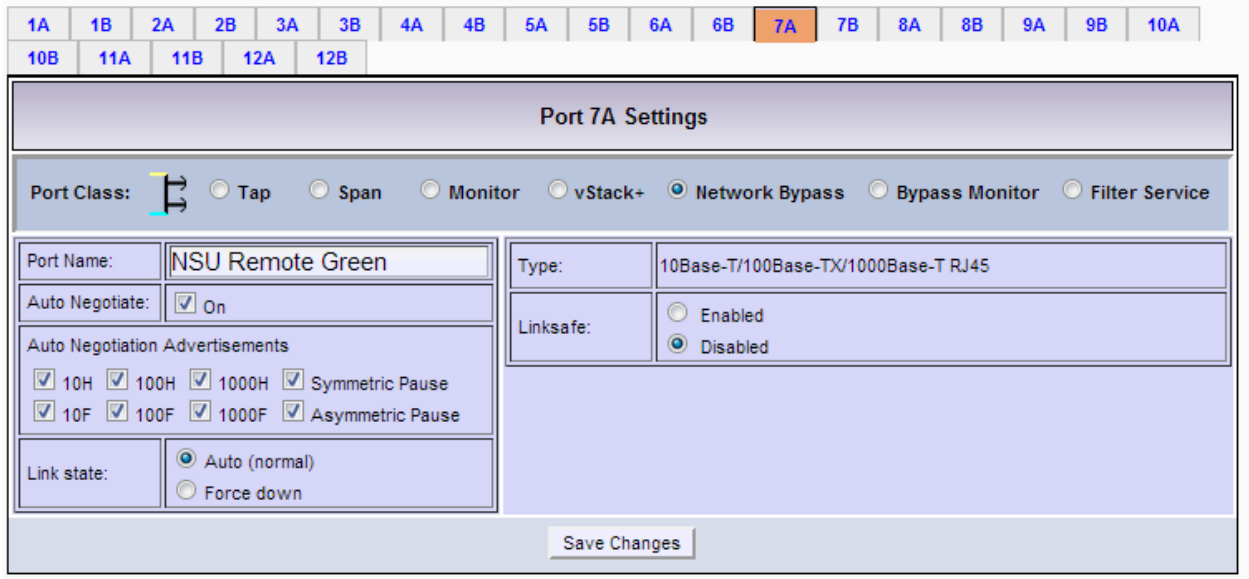

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 4B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 4B disconnected Connected: 4B <--> 4A
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

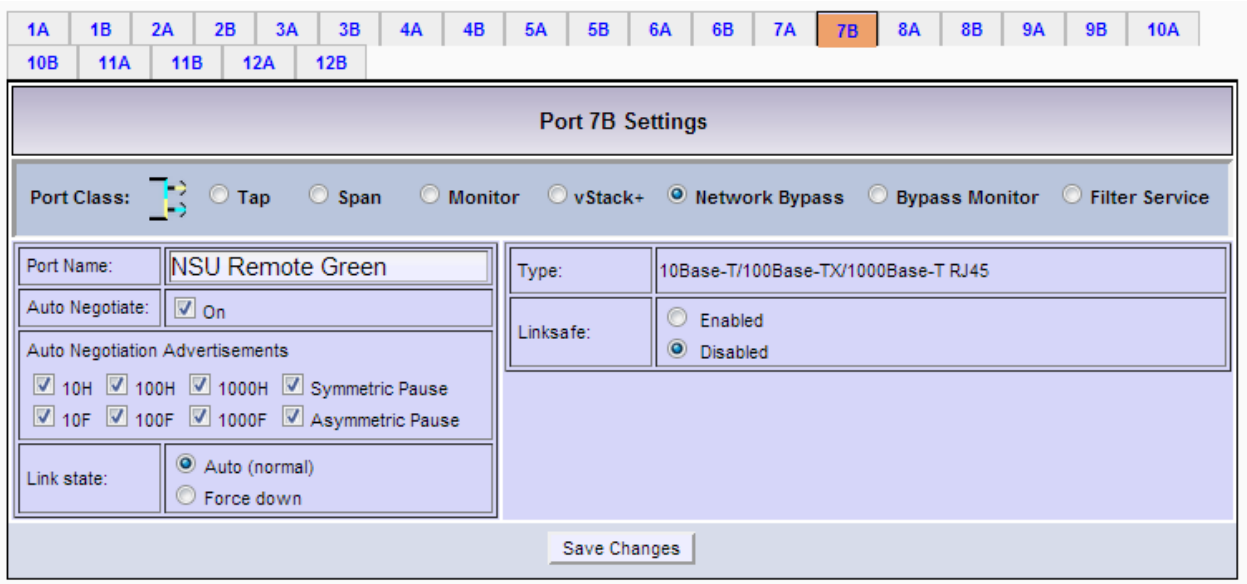

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 5A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: Passive Tool IDS 1
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Save Changes

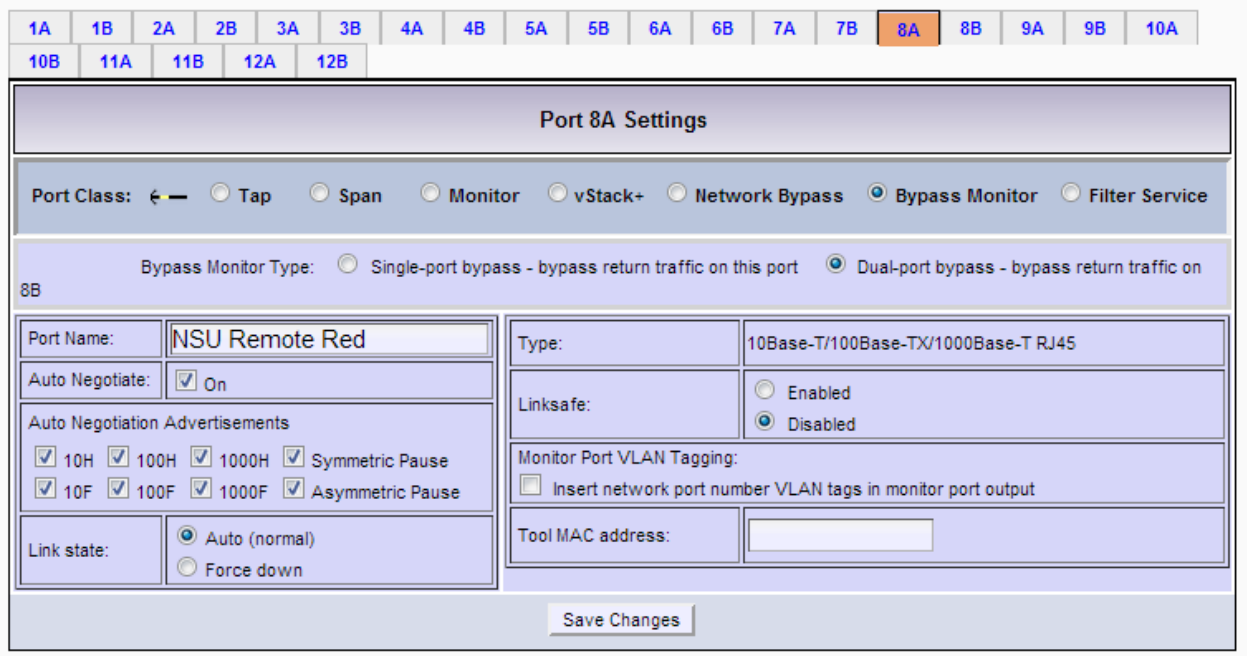

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 5B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: Passive Tool IDS 2
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Save Changes

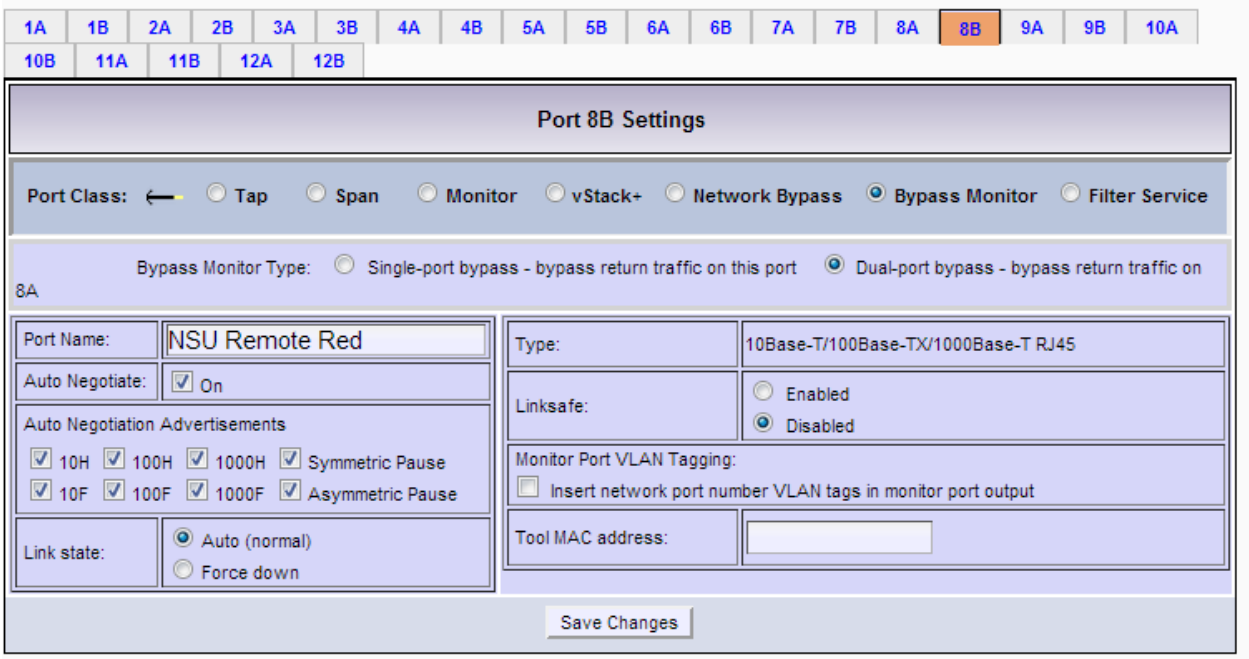

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 6A Settings
Port Class:
Tap
Span
Monitor
vStack+
Network Bypass
Bypass Monitor
Filter Service
Port Name:
Wireshark
Auto Negotiate:
On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state:
Auto (normal)
Force down
Type:
10Base-T/100Base-TX/1000Base-T RJ45
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Save Changes

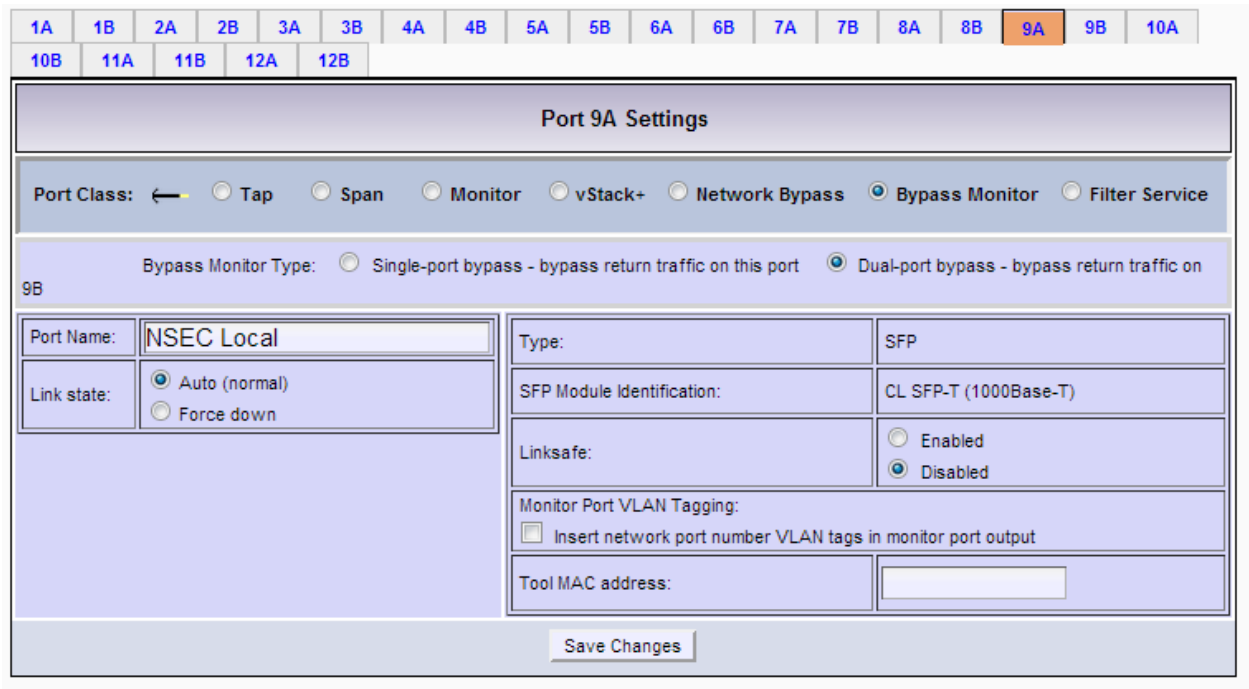

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 6B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Save Changes

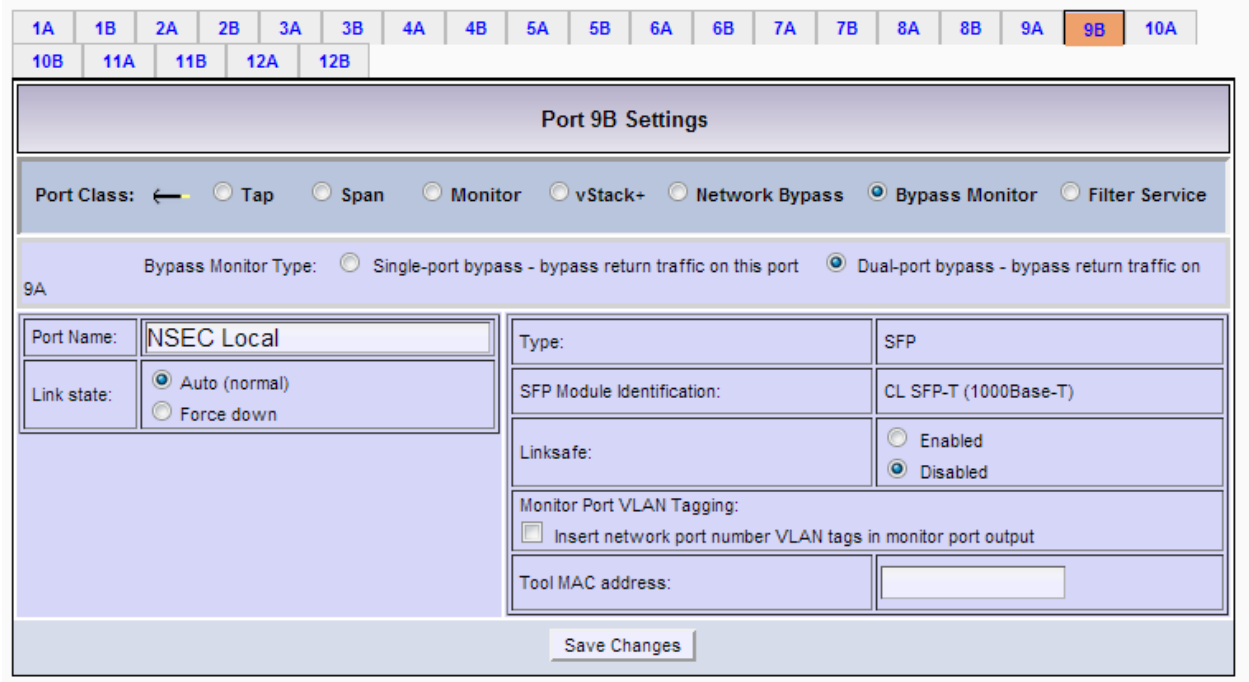

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 7A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: NSU Remote Green
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
Save Changes

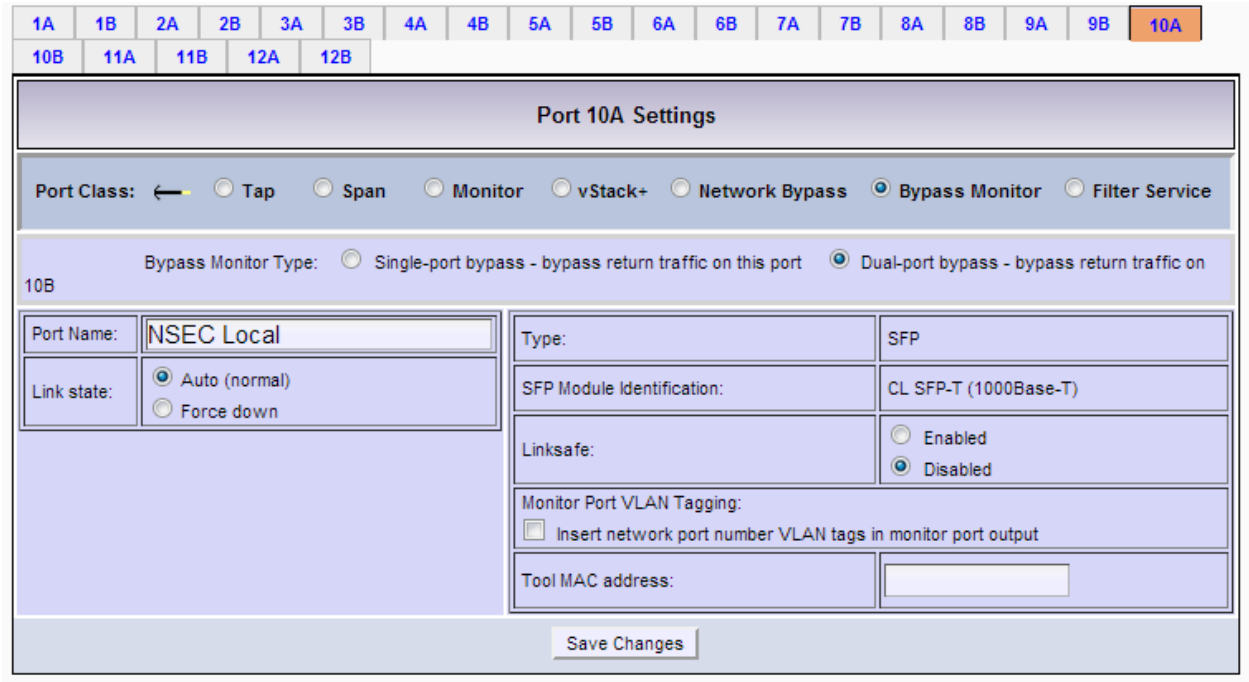

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 7B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: NSU Remote Green
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
Save Changes

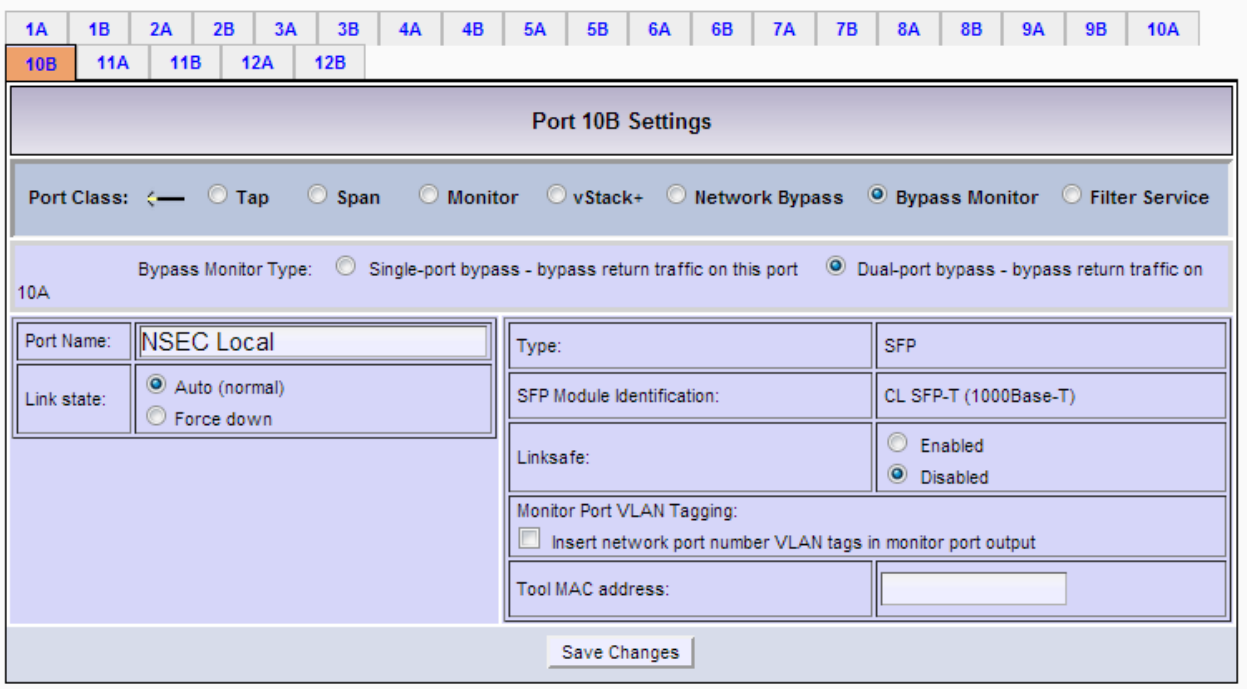

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 8A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 8B
Port Name: NSU Remote Red
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

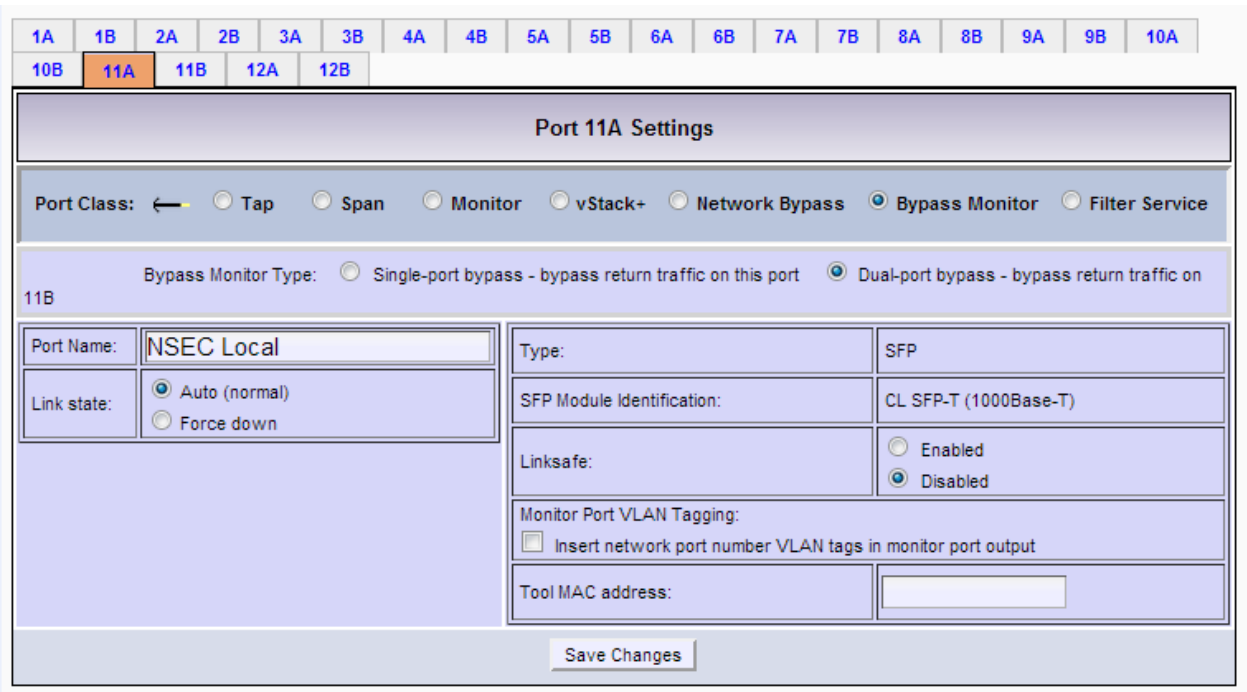

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 8B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 8A
Port Name: NSU Remote Red
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

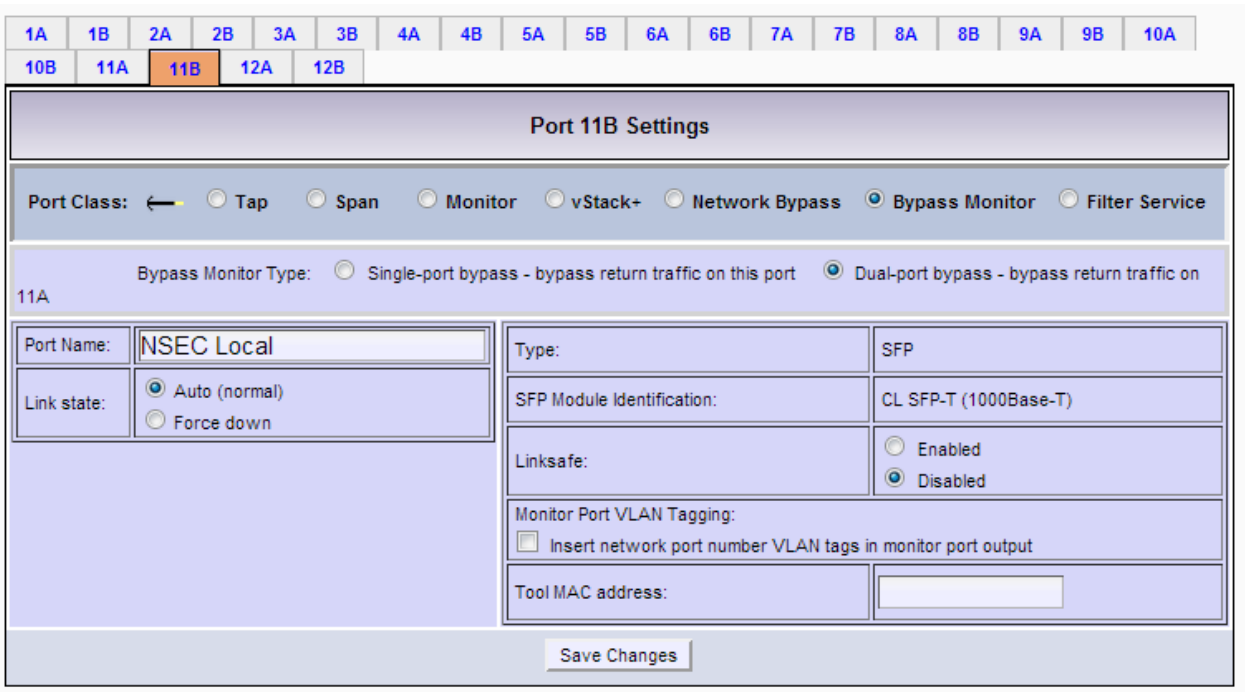

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 9A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 9B
Port Name: NSEC Local
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

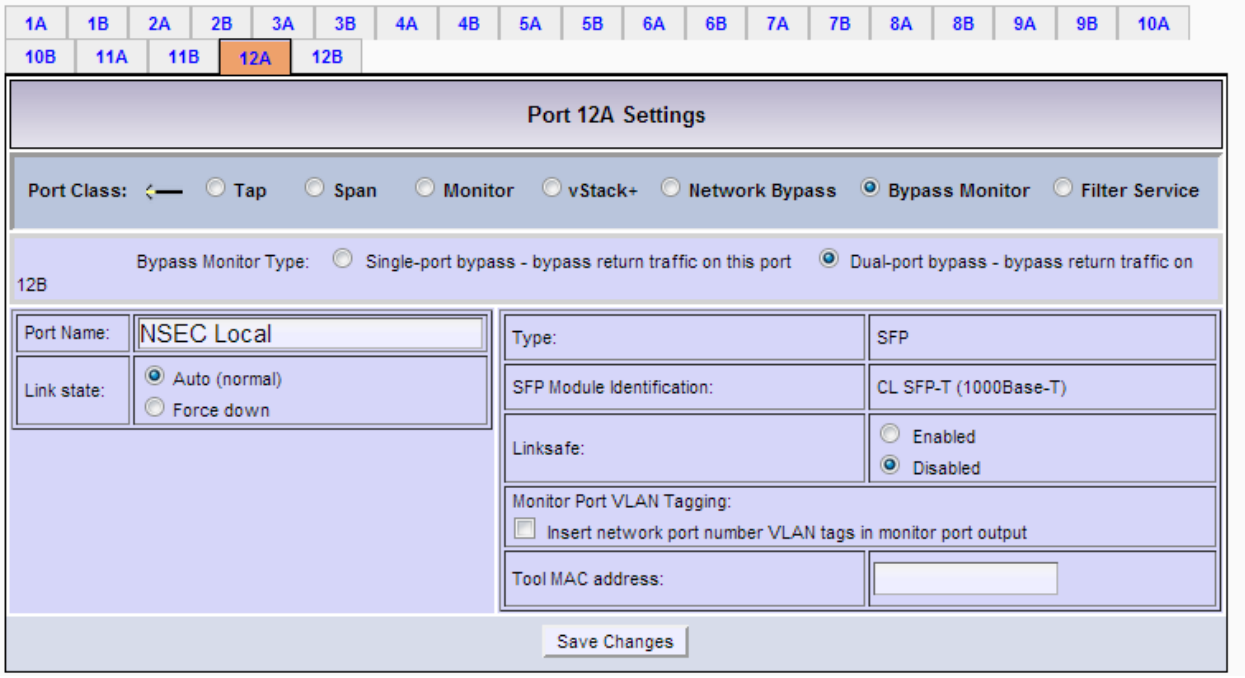

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 9B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 9A
Port Name: NSEC Local
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

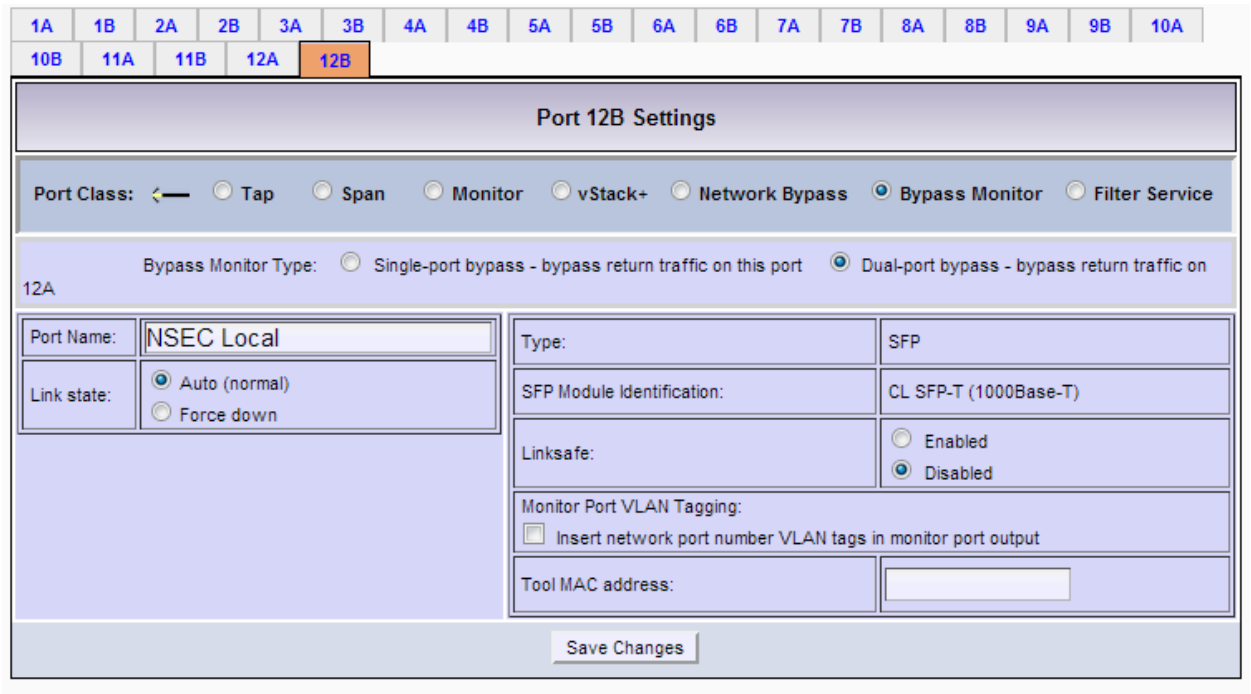

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 10A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 10B
Port Name: NSEC Local
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes


1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 10B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 10A
Port Name: NSEC Local
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

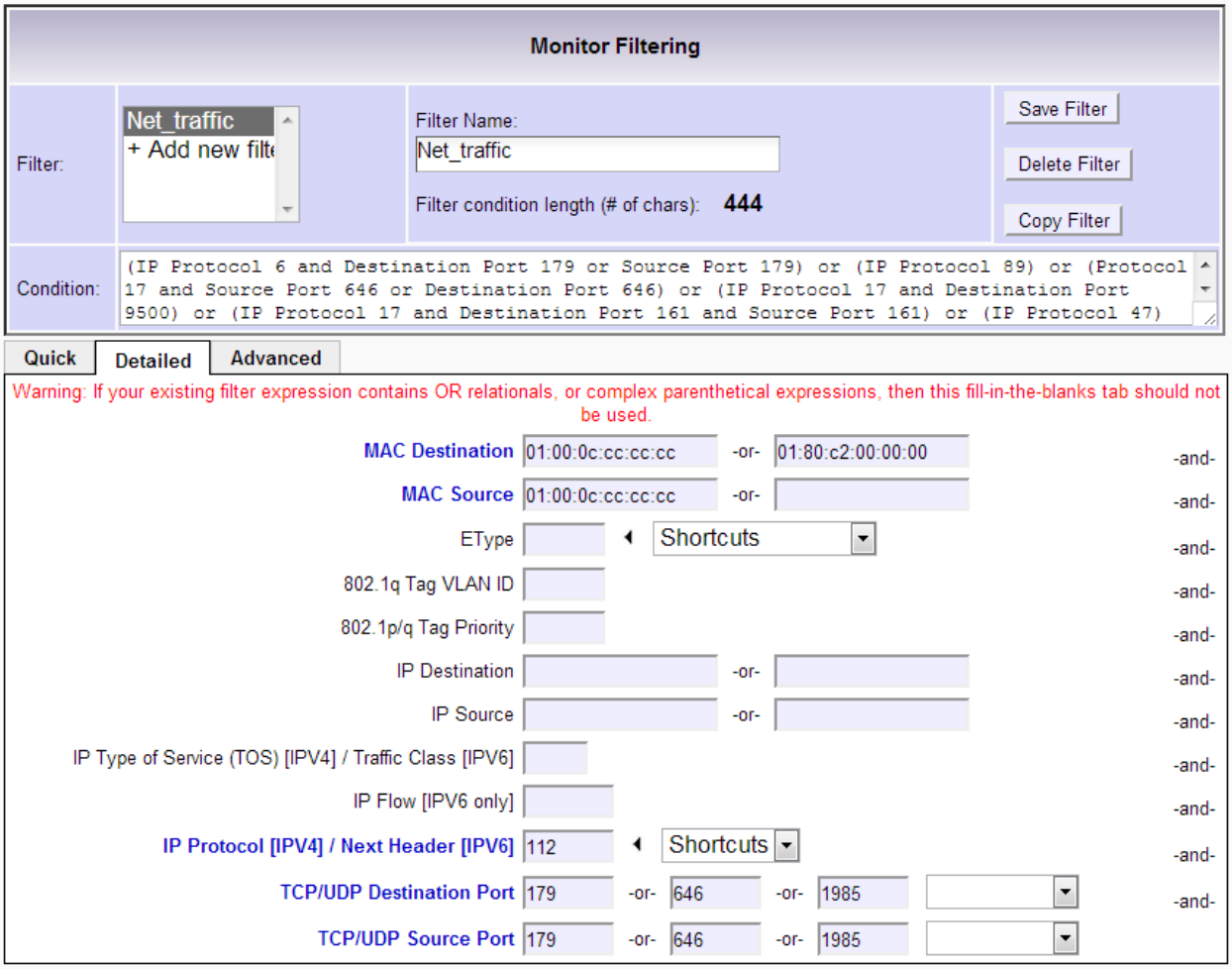

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 11A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 11B
Port Name: NSEC Local
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

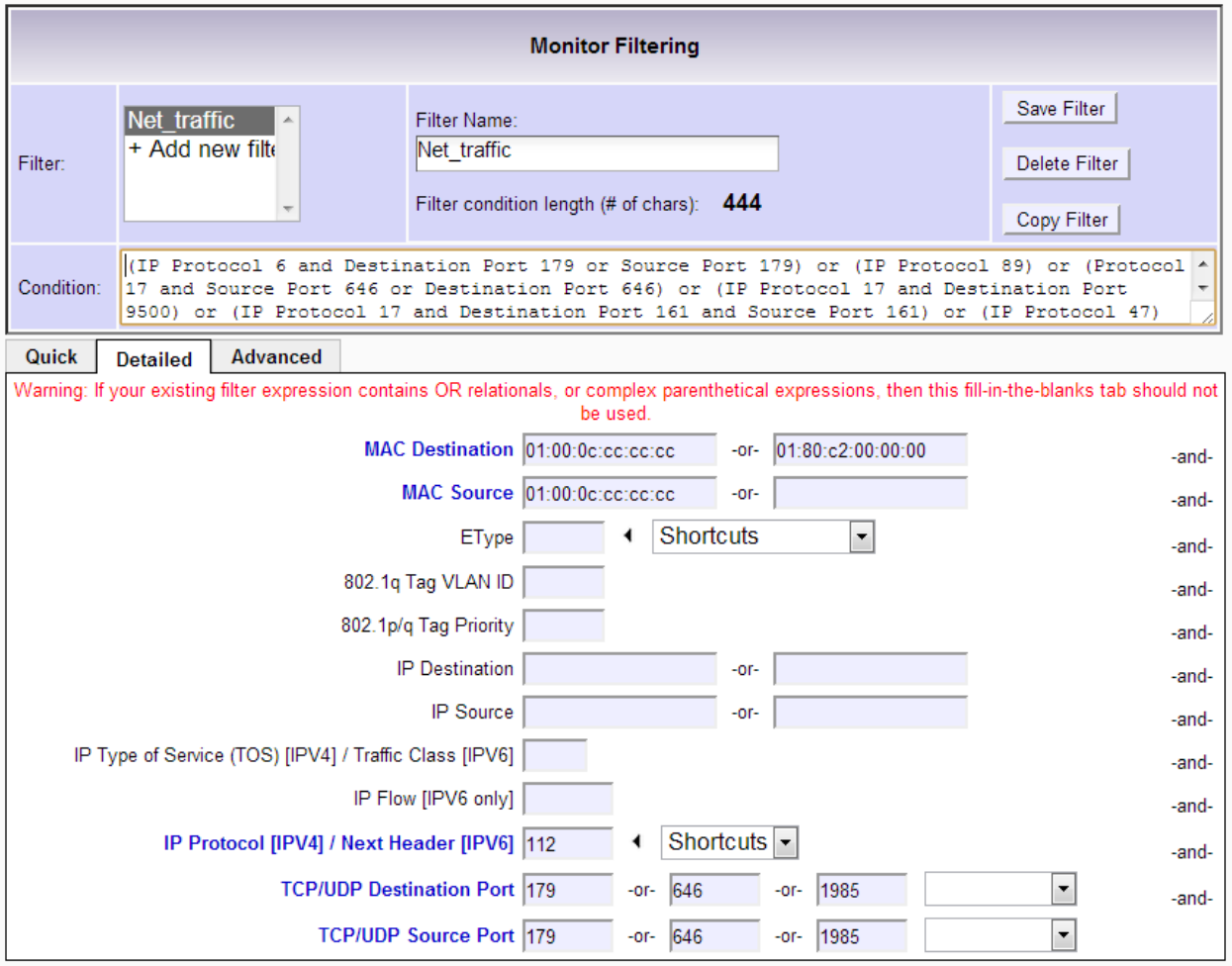

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 11B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 11A
Port Name: NSEC Local
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes


1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 12A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 12B
Port Name: NSEC Local
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes


1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 12B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 12A
Port Name: NSEC Local
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

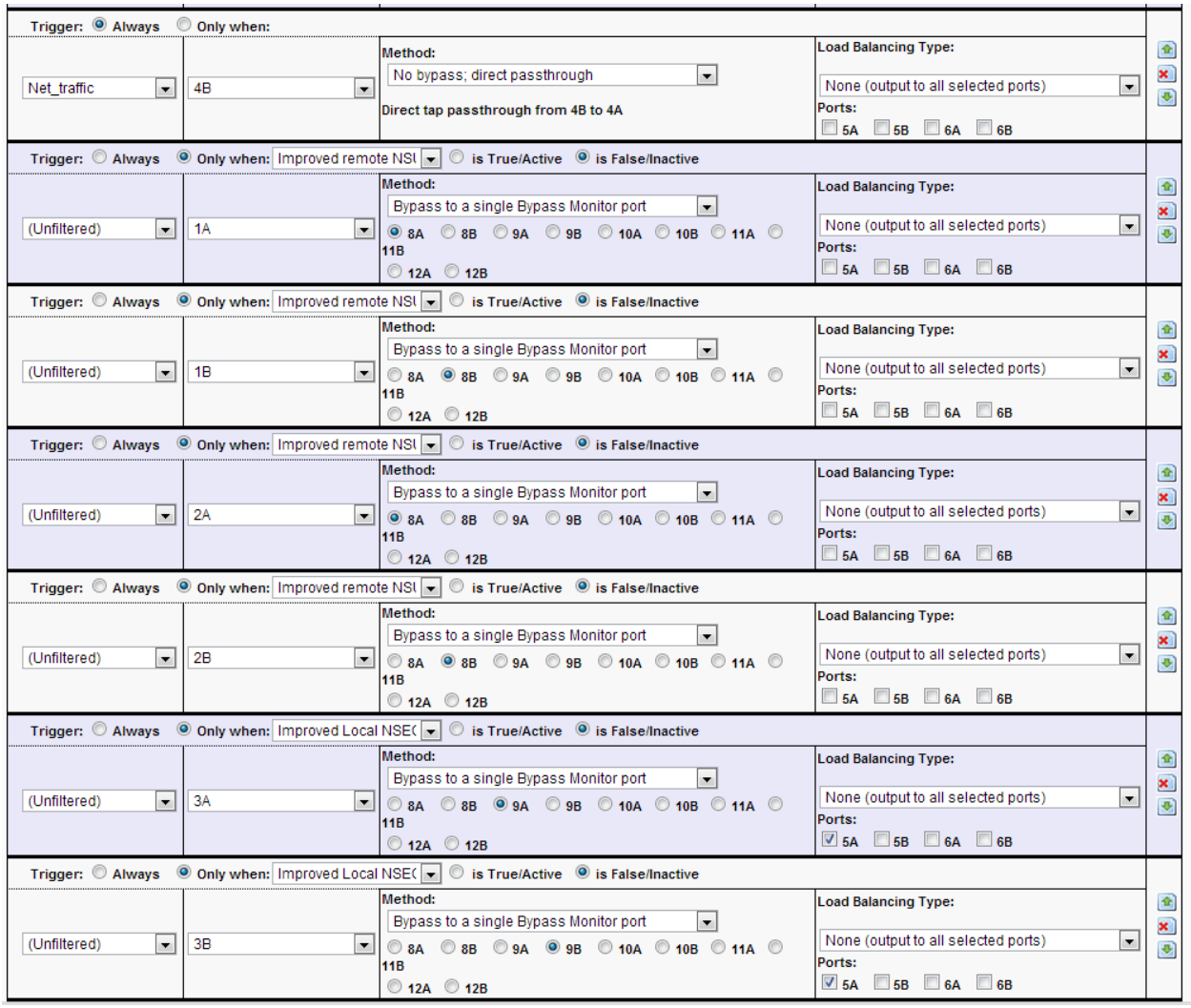
Filtering

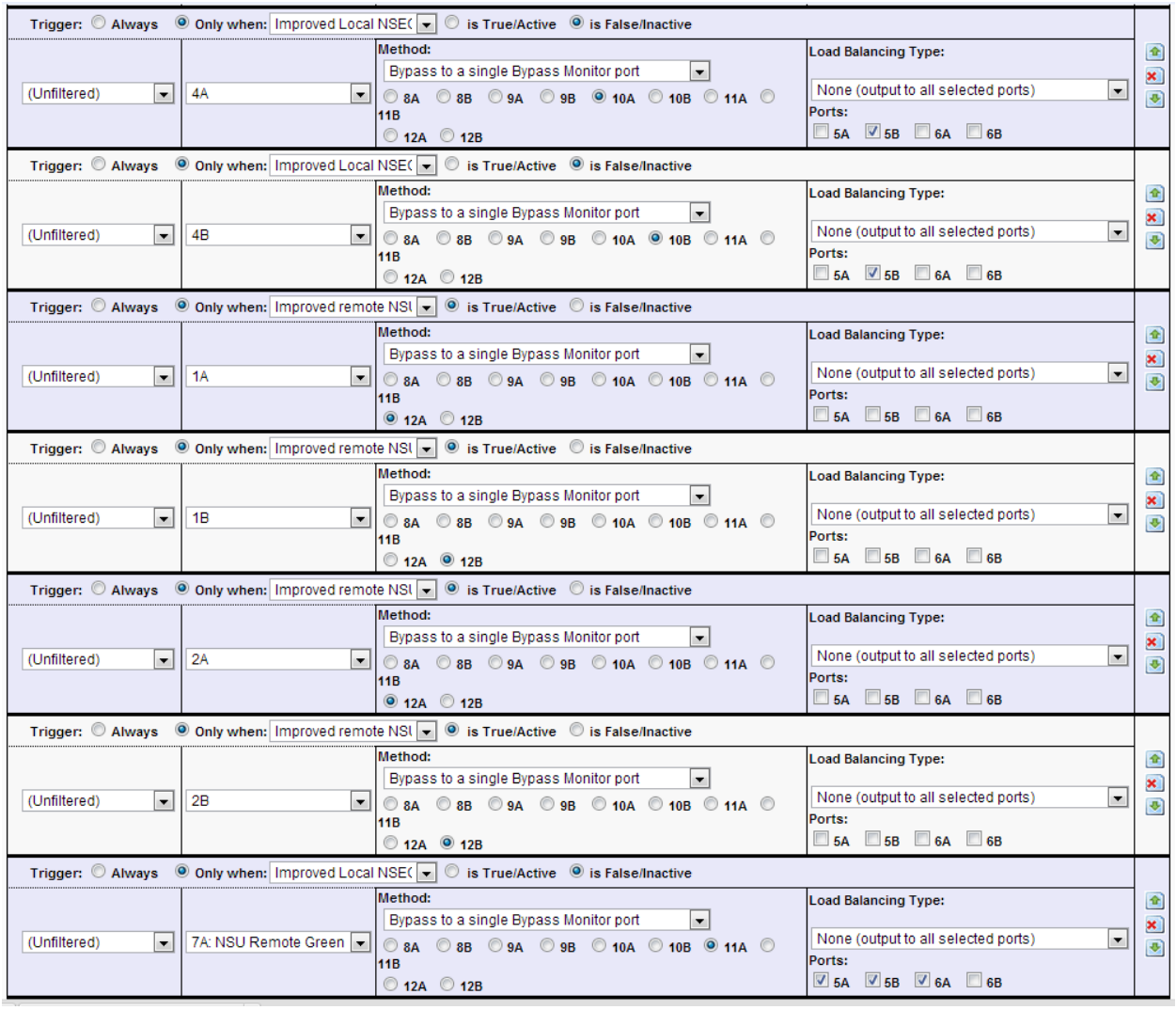

Monitor Filtering
Filter:
Net_traffic
+ Add new filt
Filter Name:
Net_traffic
Filter condition length (# of chars): 444
Save Filter
Delete Filter
Copy Filter
Condition:
(IP Protocol 6 and Destination Port 179 or Source Port 179) or (IP Protocol 89) or (Protocol 17 and Source Port 646 or Destination Port 646) or (IP Protocol 17 and Destination Port 9500) or (IP Protocol 17 and Destination Port 161 and Source Port 161) or (IP Protocol 47)
Quick
Detailed
Advanced
Warning: If your existing filter expression contains OR relationals, or complex parenthetical expressions, then this fill-in-the-blanks tab should not be used.
MAC Destination 01:00:0c:cc:cc:cc -or- 01:80:c2:00:00:00 -and-
MAC Source 01:00:0c:cc:cc:cc -or- -and-
EType Shortcuts -and-
802.1q Tag VLAN ID -and-
802.1p/q Tag Priority -and-
IP Destination -or- -and-
IP Source -or- -and-
IP Type of Service (TOS) [IPV4] / Traffic Class [IPV6] -and-
IP Flow [IPV6 only] -and-
IP Protocol [IPV4] / Next Header [IPV6] 112 Shortcuts -and-
TCP/UDP Destination Port 179 -or- 646 -or- 1985 -and-
TCP/UDP Source Port 179 -or- 646 -or- 1985

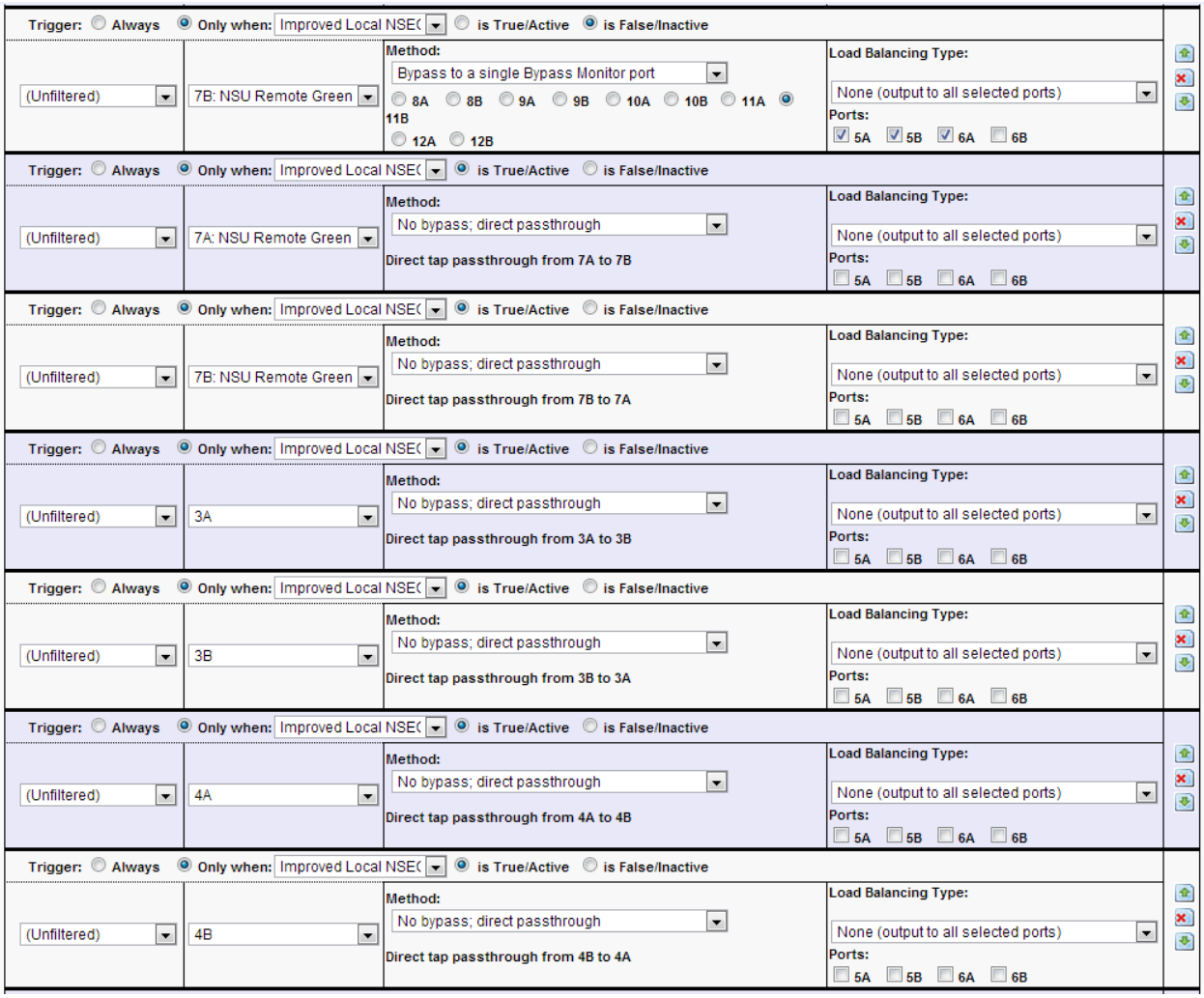

Monitor Filtering
Filter:
Net_traffic
+ Add new filt
Filter Name:
Net_traffic
Filter condition length (# of chars): 444
Save Filter
Delete Filter
Copy Filter
Condition:
(IP Protocol 6 and Destination Port 179 or Source Port 179) or (IP Protocol 89) or (Protocol 17 and Source Port 646 or Destination Port 646) or (IP Protocol 17 and Destination Port 9500) or (IP Protocol 17 and Destination Port 161 and Source Port 161) or (IP Protocol 47)
Quick
Detailed
Advanced
Warning: If your existing filter expression contains OR relationals, or complex parenthetical expressions, then this fill-in-the-blanks tab should not be used.
MAC Destination 01:00:0c:cc:cc:cc -or- 01:80:c2:00:00:00 -and-
MAC Source 01:00:0c:cc:cc:cc -or- -and-
EType Shortcuts -and-
802.1q Tag VLAN ID -and-
802.1p/q Tag Priority -and-
IP Destination -or- -and-
IP Source -or- -and-
IP Type of Service (TOS) [IPV4] / Traffic Class [IPV6] -and-
IP Flow [IPV6 only] -and-
IP Protocol [IPV4] / Next Header [IPV6] 112 Shortcuts -and-
TCP/UDP Destination Port 179 -or- 646 -or- 1985 -and-
TCP/UDP Source Port 179 -or- 646 -or- 1985

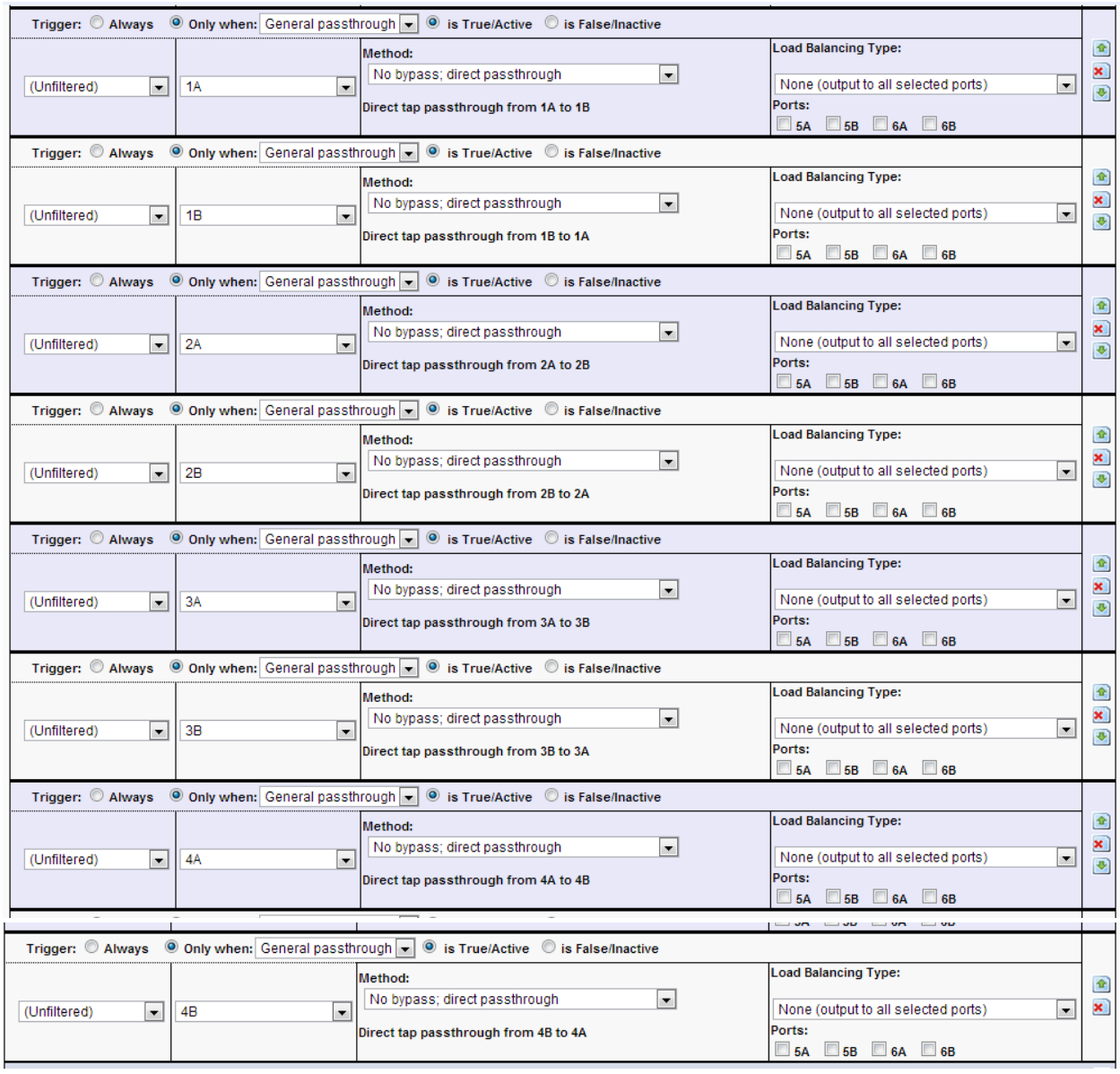
Bypass Monitor Settings

Filter Expression	Network Bypass Port	Bypass Settings	Additional Monitor Port Output	Rank
Trigger: (•) Always ( ) Only when:				
Net_traffic	1A	Method: No bypass; direct passthrough Direct tap passthrough from 1A to 1B	Load Balancing Type: None (output to all selected ports) Ports: [ ] 5A [ ] 5B [ ] 6A [ ] 6B	
Trigger: (•) Always ( ) Only when:				
Net_traffic	1B	Method: No bypass; direct passthrough Direct tap passthrough from 1B to 1A	Load Balancing Type: None (output to all selected ports) Ports: [ ] 5A [ ] 5B [ ] 6A [ ] 6B	
Trigger: (•) Always ( ) Only when:				
Net_traffic	2A	Method: No bypass; direct passthrough Direct tap passthrough from 2A to 2B	Load Balancing Type: None (output to all selected ports) Ports: [ ] 5A [ ] 5B [ ] 6A [ ] 6B	
Trigger: (•) Always ( ) Only when:				
Net_traffic	2B	Method: No bypass; direct passthrough Direct tap passthrough from 2B to 2A	Load Balancing Type: None (output to all selected ports) Ports: [ ] 5A [ ] 5B [ ] 6A [ ] 6B	
Trigger: (•) Always ( ) Only when:				
Net_traffic	3A	Method: No bypass; direct passthrough Direct tap passthrough from 3A to 3B	Load Balancing Type: None (output to all selected ports) Ports: [ ] 5A [ ] 5B [ ] 6A [ ] 6B	
Trigger: (•) Always ( ) Only when:				
Net_traffic	3B	Method: No bypass; direct passthrough Direct tap passthrough from 3B to 3A	Load Balancing Type: None (output to all selected ports) Ports: [ ] 5A [ ] 5B [ ] 6A [ ] 6B	
Trigger: (•) Always ( ) Only when:				
Net_traffic	4A	Method: No bypass; direct passthrough Direct tap passthrough from 4A to 4B	Load Balancing Type: None (output to all selected ports) Ports: [ ] 5A [ ] 5B [ ] 6A [ ] 6B	

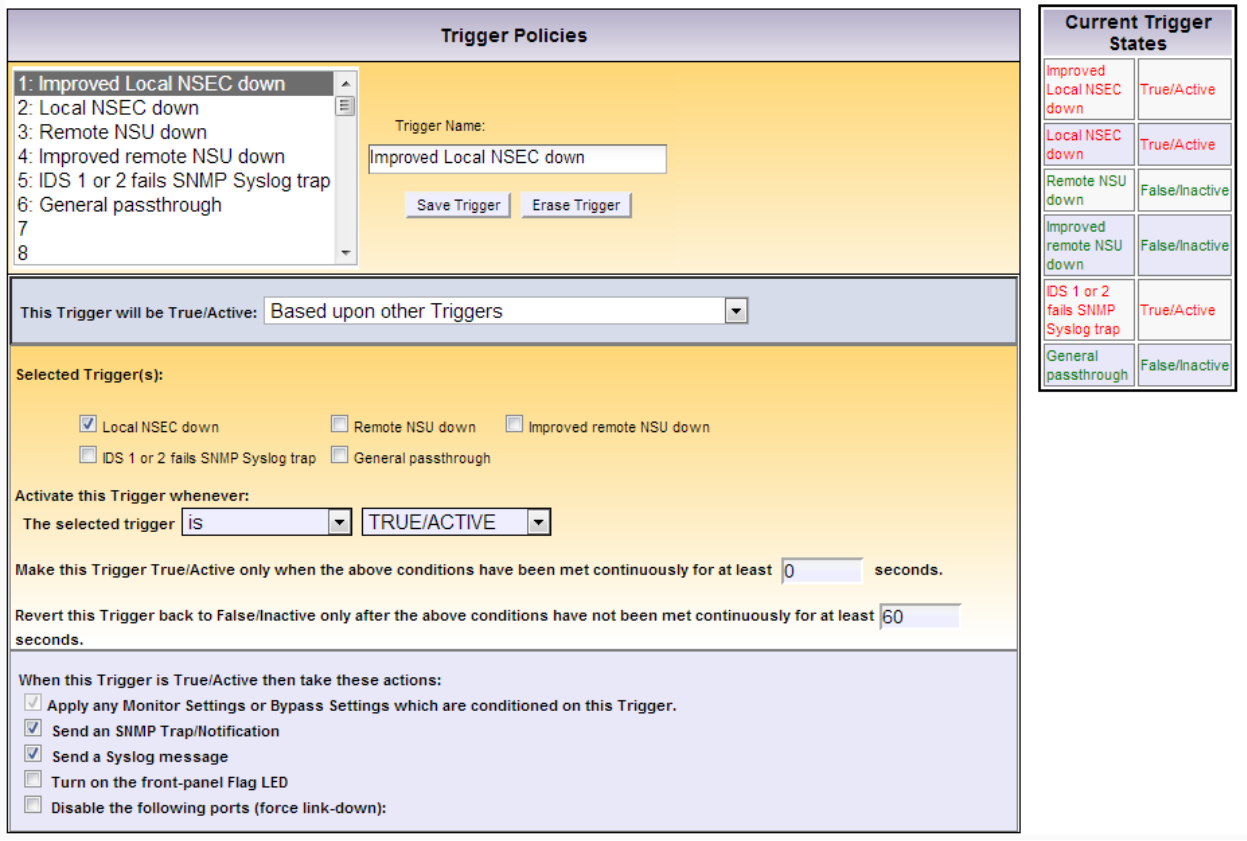

Trigger: Always Only when:
Net_traffic
4B
Method:
No bypass; direct passthrough
Direct tap passthrough from 4B to 4A
Load Balancing Type:
None (output to all selected ports)
Ports:
5A 5B 6A 6B
Trigger: Always Only when: Improved remote NSI is True/Active is False/Inactive
(Unfiltered)
1A
Method:
Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type:
None (output to all selected ports)
Ports:
5A 5B 6A 6B
Trigger: Always Only when: Improved remote NSI is True/Active is False/Inactive
(Unfiltered)
1B
Method:
Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type:
None (output to all selected ports)
Ports:
5A 5B 6A 6B
Trigger: Always Only when: Improved remote NSI is True/Active is False/Inactive
(Unfiltered)
2A
Method:
Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type:
None (output to all selected ports)
Ports:
5A 5B 6A 6B
Trigger: Always Only when: Improved remote NSI is True/Active is False/Inactive
(Unfiltered)
2B
Method:
Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type:
None (output to all selected ports)
Ports:
5A 5B 6A 6B
Trigger: Always Only when: Improved Local NSE(is True/Active is False/Inactive
(Unfiltered)
3A
Method:
Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type:
None (output to all selected ports)
Ports:
5A 5B 6A 6B
Trigger: Always Only when: Improved Local NSE(is True/Active is False/Inactive
(Unfiltered)
3B
Method:
Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type:
None (output to all selected ports)
Ports:
5A 5B 6A 6B

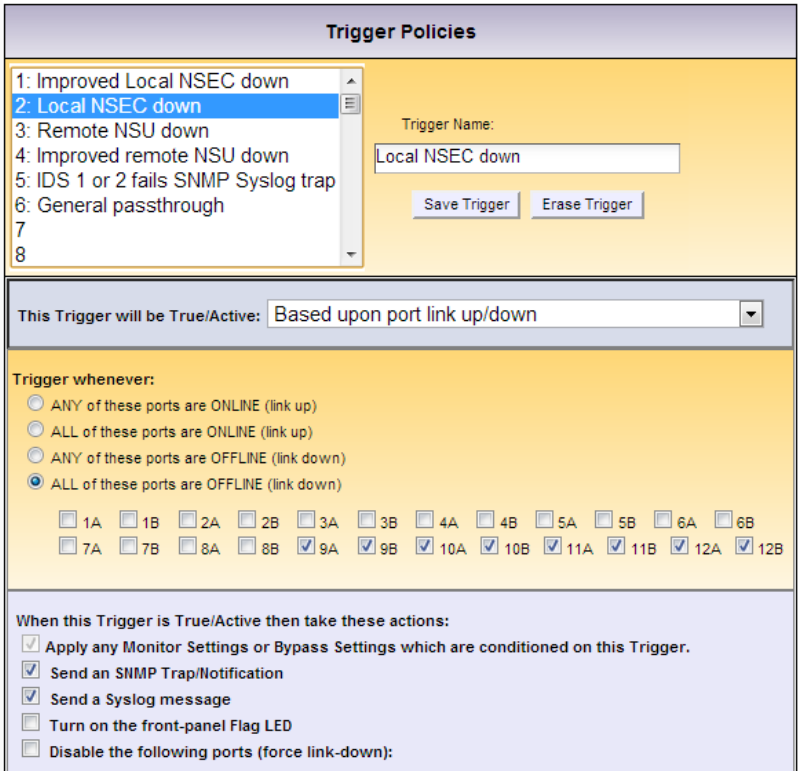

Trigger: Always Only when: Improved Local NSE(is True/Active is False/Inactive
(Unfiltered) 4A
Method: Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: Improved Local NSE(is True/Active is False/Inactive
(Unfiltered) 4B
Method: Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: Improved remote NSI is True/Active is False/Inactive
(Unfiltered) 1A
Method: Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: Improved remote NSI is True/Active is False/Inactive
(Unfiltered) 1B
Method: Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: Improved remote NSI is True/Active is False/Inactive
(Unfiltered) 2A
Method: Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: Improved remote NSI is True/Active is False/Inactive
(Unfiltered) 2B
Method: Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: Improved Local NSE(is True/Active is False/Inactive
(Unfiltered) 7A: NSU Remote Green
Method: Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B


Trigger: Always Only when: Improved Local NSE(is True/Active is False/Inactive
(Unfiltered)
7B: NSU Remote Green
Method:
Bypass to a single Bypass Monitor port
8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
Load Balancing Type:
None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: Improved Local NSE(is True/Active is False/Inactive
(Unfiltered)
7A: NSU Remote Green
Method:
No bypass; direct passthrough
Direct tap passthrough from 7A to 7B
Load Balancing Type:
None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: Improved Local NSE(is True/Active is False/Inactive
(Unfiltered)
7B: NSU Remote Green
Method:
No bypass; direct passthrough
Direct tap passthrough from 7B to 7A
Load Balancing Type:
None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: Improved Local NSE(is True/Active is False/Inactive
(Unfiltered)
3A
Method:
No bypass; direct passthrough
Direct tap passthrough from 3A to 3B
Load Balancing Type:
None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: Improved Local NSE(is True/Active is False/Inactive
(Unfiltered)
3B
Method:
No bypass; direct passthrough
Direct tap passthrough from 3B to 3A
Load Balancing Type:
None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: Improved Local NSE(is True/Active is False/Inactive
(Unfiltered)
4A
Method:
No bypass; direct passthrough
Direct tap passthrough from 4A to 4B
Load Balancing Type:
None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: Improved Local NSE(is True/Active is False/Inactive
(Unfiltered)
4B
Method:
No bypass; direct passthrough
Direct tap passthrough from 4B to 4A
Load Balancing Type:
None (output to all selected ports)
Ports: 5A 5B 6A 6B

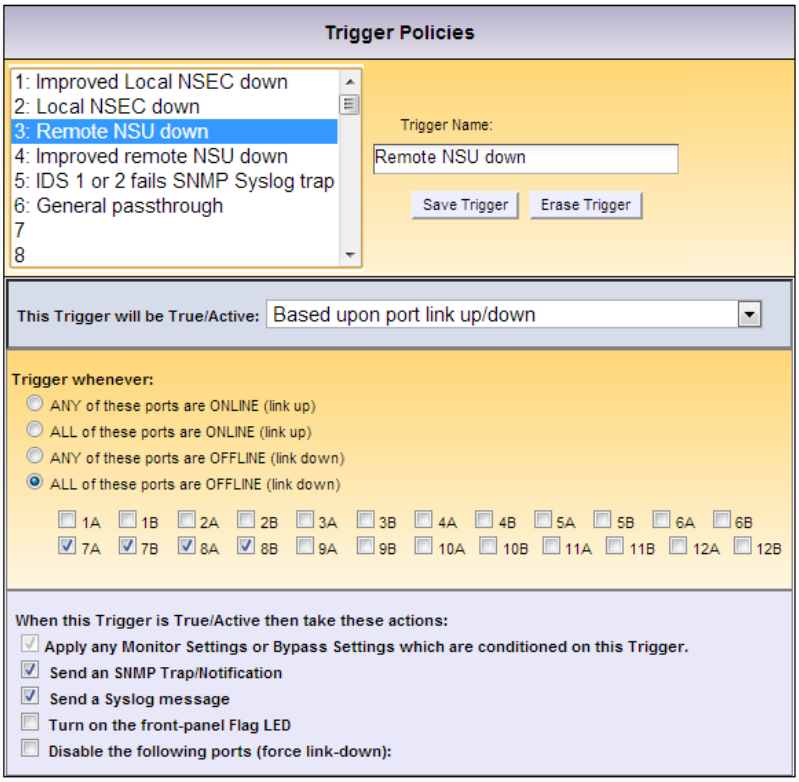

Trigger: Always Only when: General passthrough is True/Active is False/Inactive
(Unfiltered) 1A
Method: No bypass; direct passthrough
Direct tap passthrough from 1A to 1B
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: General passthrough is True/Active is False/Inactive
(Unfiltered) 1B
Method: No bypass; direct passthrough
Direct tap passthrough from 1B to 1A
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: General passthrough is True/Active is False/Inactive
(Unfiltered) 2A
Method: No bypass; direct passthrough
Direct tap passthrough from 2A to 2B
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: General passthrough is True/Active is False/Inactive
(Unfiltered) 2B
Method: No bypass; direct passthrough
Direct tap passthrough from 2B to 2A
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: General passthrough is True/Active is False/Inactive
(Unfiltered) 3A
Method: No bypass; direct passthrough
Direct tap passthrough from 3A to 3B
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: General passthrough is True/Active is False/Inactive
(Unfiltered) 3B
Method: No bypass; direct passthrough
Direct tap passthrough from 3B to 3A
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: General passthrough is True/Active is False/Inactive
(Unfiltered) 4A
Method: No bypass; direct passthrough
Direct tap passthrough from 4A to 4B
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B
Trigger: Always Only when: General passthrough is True/Active is False/Inactive
(Unfiltered) 4B
Method: No bypass; direct passthrough
Direct tap passthrough from 4B to 4A
Load Balancing Type: None (output to all selected ports)
Ports: 5A 5B 6A 6B

Triggers

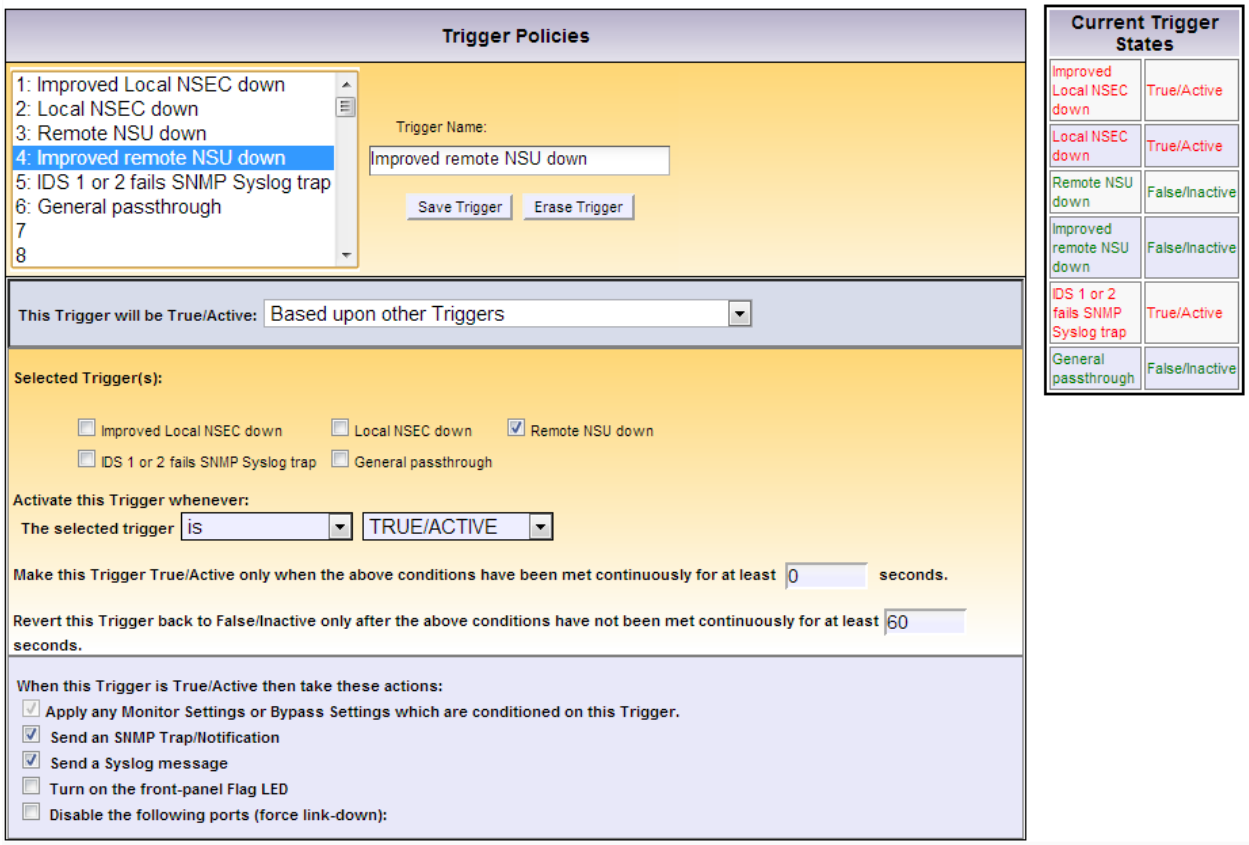

Trigger Policies
1: Improved Local NSEC down
2: Local NSEC down
3: Remote NSU down
4: Improved remote NSU down
5: IDS 1 or 2 fails SNMP Syslog trap
6: General passthrough
7
8
Trigger Name:
Improved Local NSEC down
Save Trigger
Erase Trigger
This Trigger will be True/Active: Based upon other Triggers
Selected Trigger(s):
Local NSEC down
Remote NSU down
Improved remote NSU down
IDS 1 or 2 fails SNMP Syslog trap
General passthrough
Activate this Trigger whenever:
The selected trigger is TRUE/ACTIVE
Make this Trigger True/Active only when the above conditions have been met continuously for at least 0 seconds.
Revert this Trigger back to False/Inactive only after the above conditions have not been met continuously for at least 60 seconds.
When this Trigger is True/Active then take these actions:
Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
Send an SNMP Trap/Notification
Send a Syslog message
Turn on the front-panel Flag LED
Disable the following ports (force link-down):
Current Trigger States
Improved Local NSEC down
True/Active
Local NSEC down
True/Active
Remote NSU down
False/Inactive
Improved remote NSU down
False/Inactive
IDS 1 or 2 fails SNMP Syslog trap
True/Active
General passthrough
False/Inactive

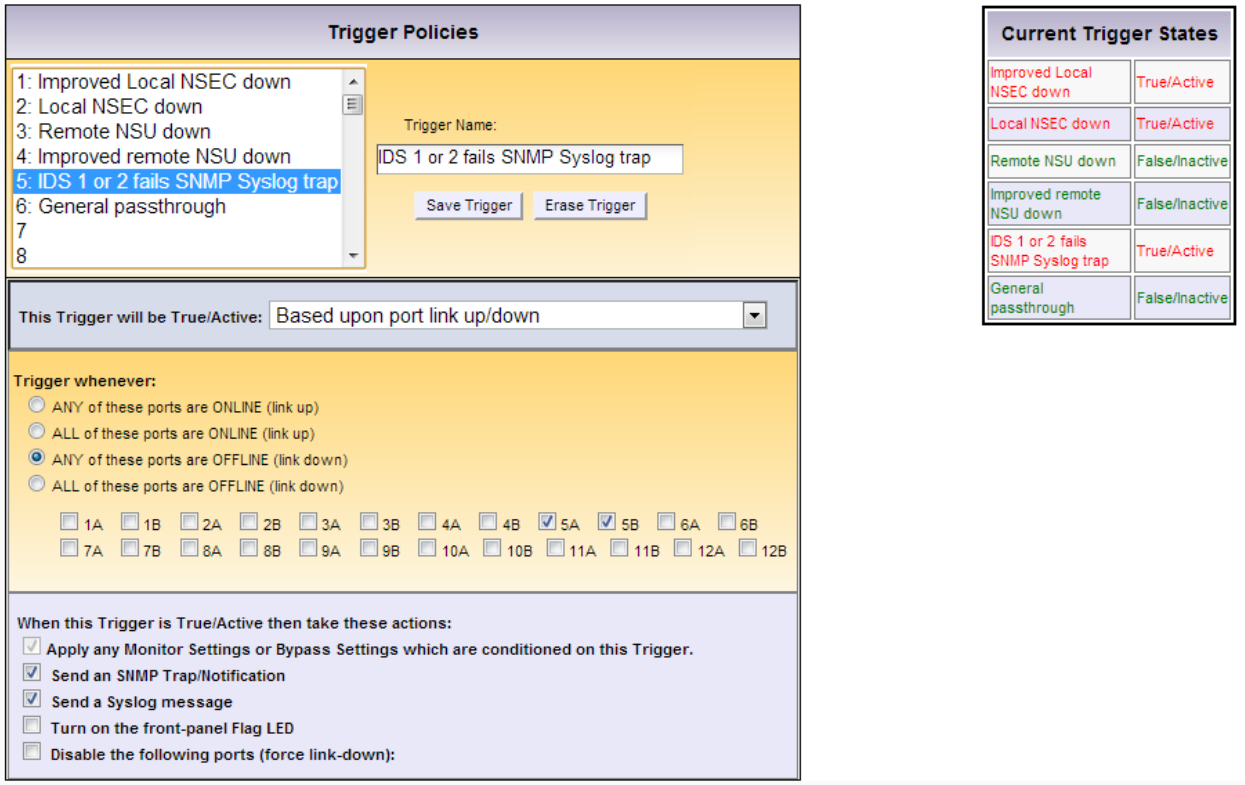


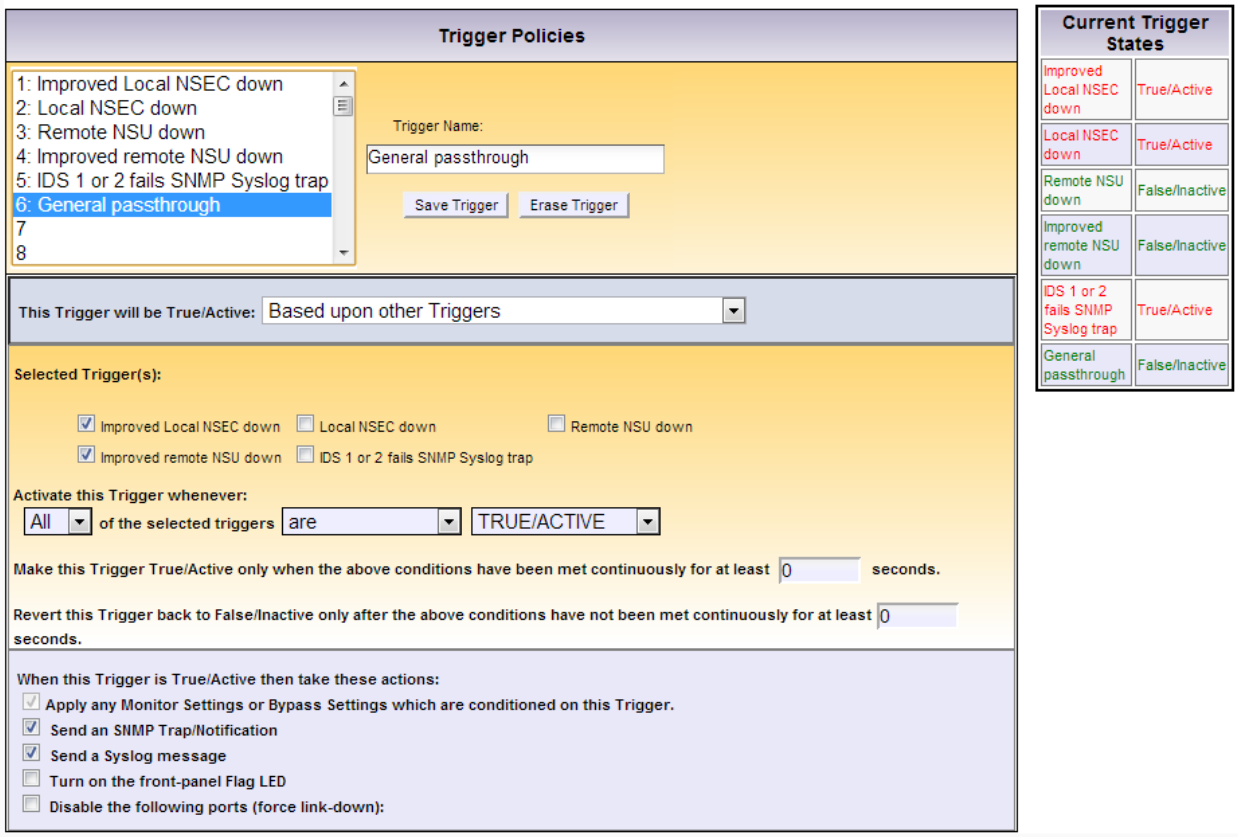
Current Trigger States	
Improved Local NSEC down	True/Active
Local NSEC down	True/Active
Remote NSU down	False/Inactive
Improved remote NSU down	False/Inactive
IDS 1 or 2 fails SNMP Syslog trap	True/Active
General passthrough	False/Inactive



Current Trigger States	
Improved Local NSEC down	True/Active
Local NSEC down	True/Active
Remote NSU down	False/Inactive
Improved remote NSU down	False/Inactive
IDS 1 or 2 fails SNMP Syslog trap	True/Active
General passthrough	False/Inactive


Trigger Policies
1: Improved Local NSEC down
2: Local NSEC down
3: Remote NSU down
4: Improved remote NSU down
5: IDS 1 or 2 fails SNMP Syslog trap
6: General passthrough
7
8
Trigger Name:
Improved remote NSU down
Save Trigger
Erase Trigger
This Trigger will be True/Active: Based upon other Triggers
Selected Trigger(s):
Improved Local NSEC down
Local NSEC down
Remote NSU down
IDS 1 or 2 fails SNMP Syslog trap
General passthrough
Activate this Trigger whenever:
The selected trigger is TRUE/ACTIVE
Make this Trigger True/Active only when the above conditions have been met continuously for at least 0 seconds.
Revert this Trigger back to False/Inactive only after the above conditions have not been met continuously for at least 60 seconds.
When this Trigger is True/Active then take these actions:
Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
Send an SNMP Trap/Notification
Send a Syslog message
Turn on the front-panel Flag LED
Disable the following ports (force link-down):
Current Trigger States
Improved Local NSEC down
True/Active
Local NSEC down
True/Active
Remote NSU down
False/Inactive
Improved remote NSU down
False/Inactive
IDS 1 or 2 fails SNMP Syslog trap
True/Active
General passthrough
False/Inactive

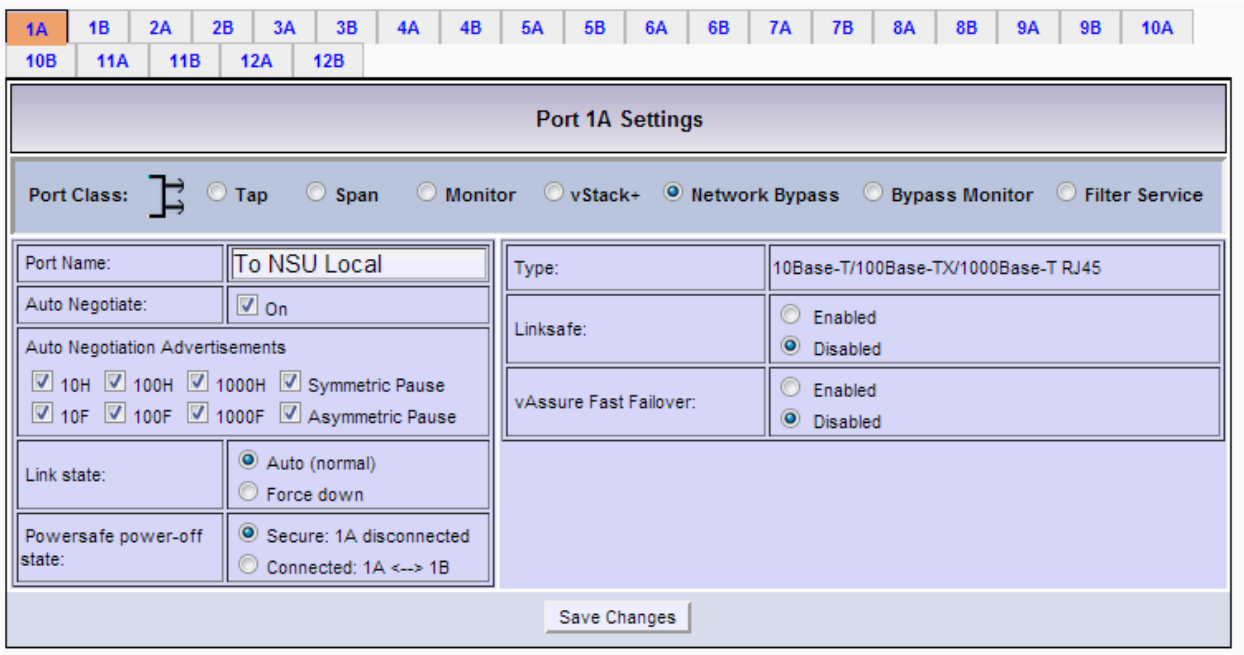

Trigger Policies
1: Improved Local NSEC down
2: Local NSEC down
3: Remote NSU down
4: Improved remote NSU down
5: IDS 1 or 2 fails SNMP Syslog trap
6: General passthrough
7
8
Trigger Name:
IDS 1 or 2 fails SNMP Syslog trap
Save Trigger
Erase Trigger
This Trigger will be True/Active: Based upon port link up/down
Trigger whenever:
ANY of these ports are ONLINE (link up)
ALL of these ports are ONLINE (link up)
ANY of these ports are OFFLINE (link down)
ALL of these ports are OFFLINE (link down)
1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B
7A 7B 8A 8B 9A 9B 10A 10B 11A 11B 12A 12B
When this Trigger is True/Active then take these actions:
Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
Send an SNMP Trap/Notification
Send a Syslog message
Turn on the front-panel Flag LED
Disable the following ports (force link-down):
Current Trigger States
Improved Local NSEC down
True/Active
Local NSEC down
True/Active
Remote NSU down
False/Inactive
Improved remote NSU down
False/Inactive
IDS 1 or 2 fails SNMP Syslog trap
True/Active
General passthrough
False/Inactive

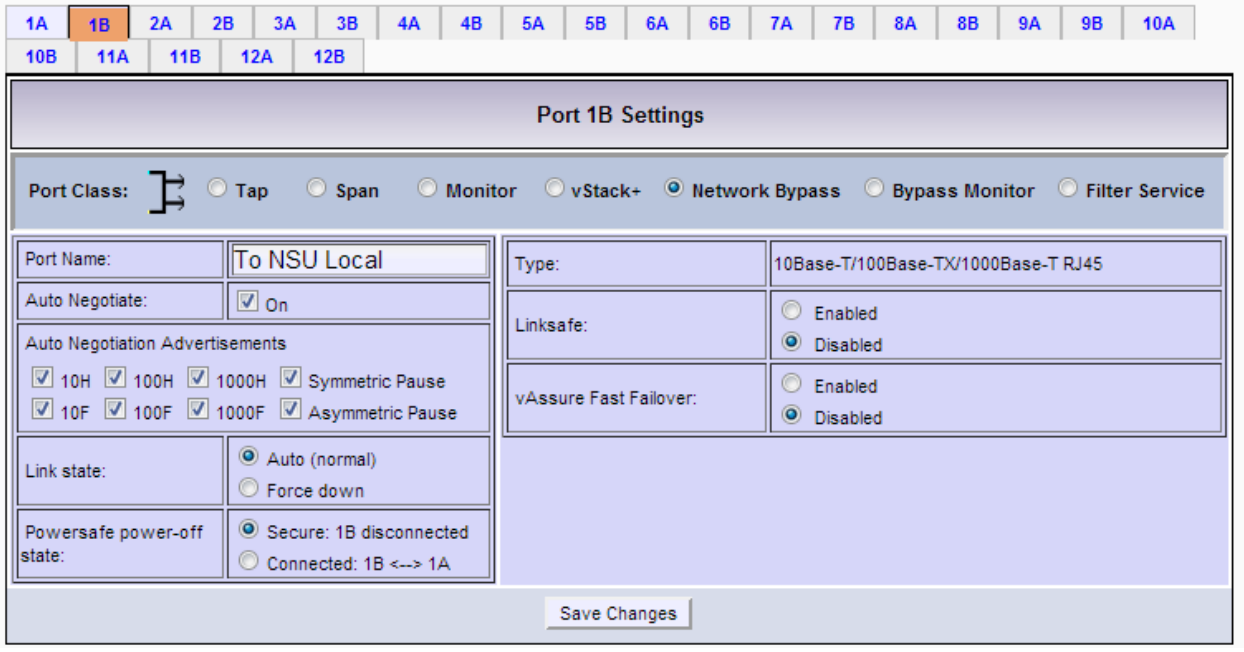

Trigger Policies
1: Improved Local NSEC down
2: Local NSEC down
3: Remote NSU down
4: Improved remote NSU down
5: IDS 1 or 2 fails SNMP Syslog trap
6: General passthrough
7
8
Trigger Name:
General passthrough
Save Trigger
Erase Trigger
This Trigger will be True/Active: Based upon other Triggers
Selected Trigger(s):
Improved Local NSEC down
Local NSEC down
Remote NSU down
Improved remote NSU down
IDS 1 or 2 fails SNMP Syslog trap
Activate this Trigger whenever:
All of the selected triggers are TRUE/ACTIVE
Make this Trigger True/Active only when the above conditions have been met continuously for at least 0 seconds.
Revert this Trigger back to False/Inactive only after the above conditions have not been met continuously for at least 0 seconds.
When this Trigger is True/Active then take these actions:
Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.
Send an SNMP Trap/Notification
Send a Syslog message
Turn on the front-panel Flag LED
Disable the following ports (force link-down):
Current Trigger States
Improved Local NSEC down
True/Active
Local NSEC down
True/Active
Remote NSU down
False/Inactive
Improved remote NSU down
False/Inactive
IDS 1 or 2 fails SNMP Syslog trap
True/Active
General passthrough
False/Inactive

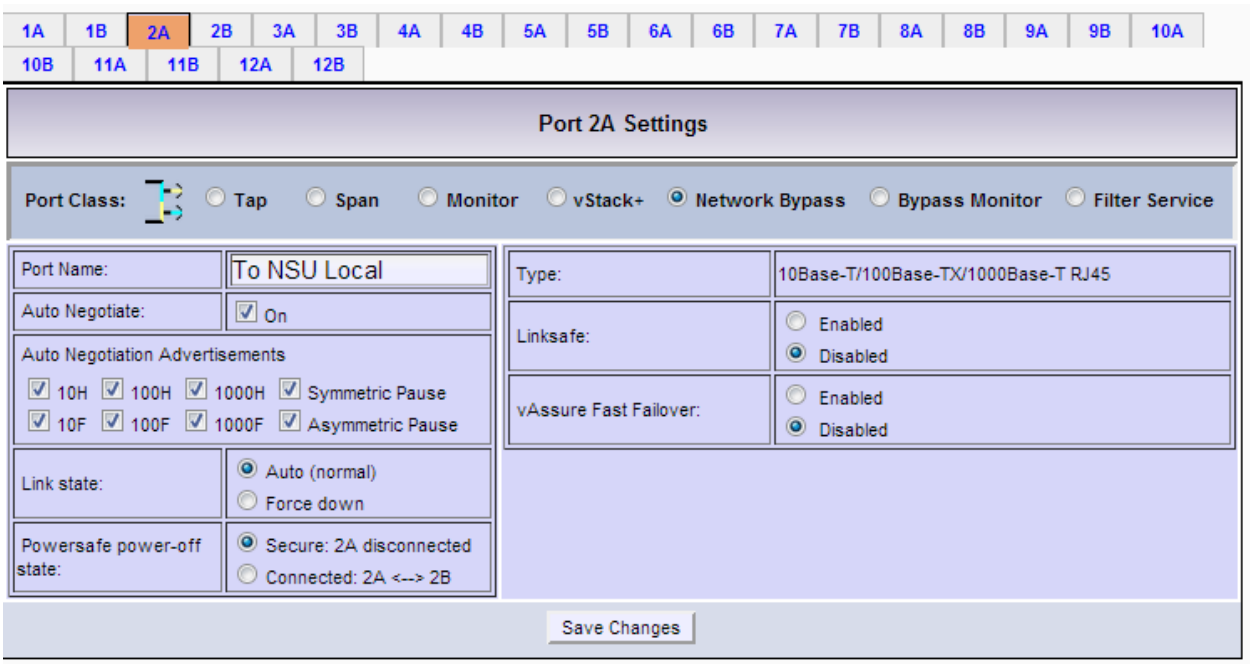
Chapter 7 Vodafone NSEC Internet

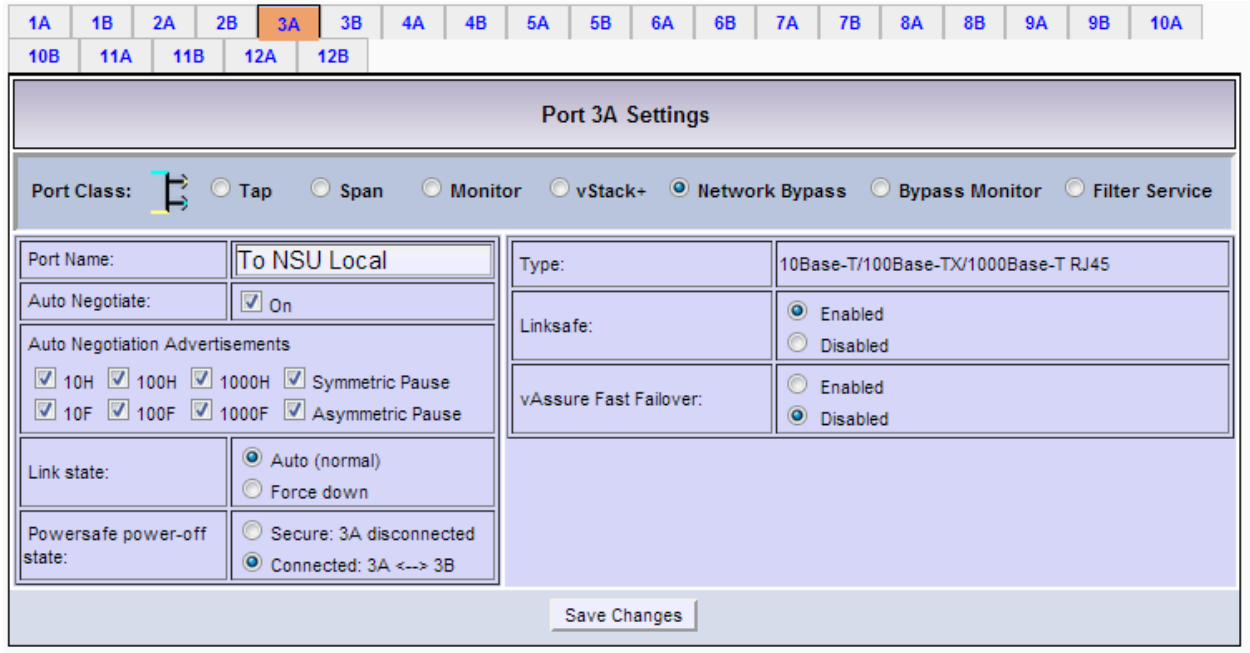
Port setup

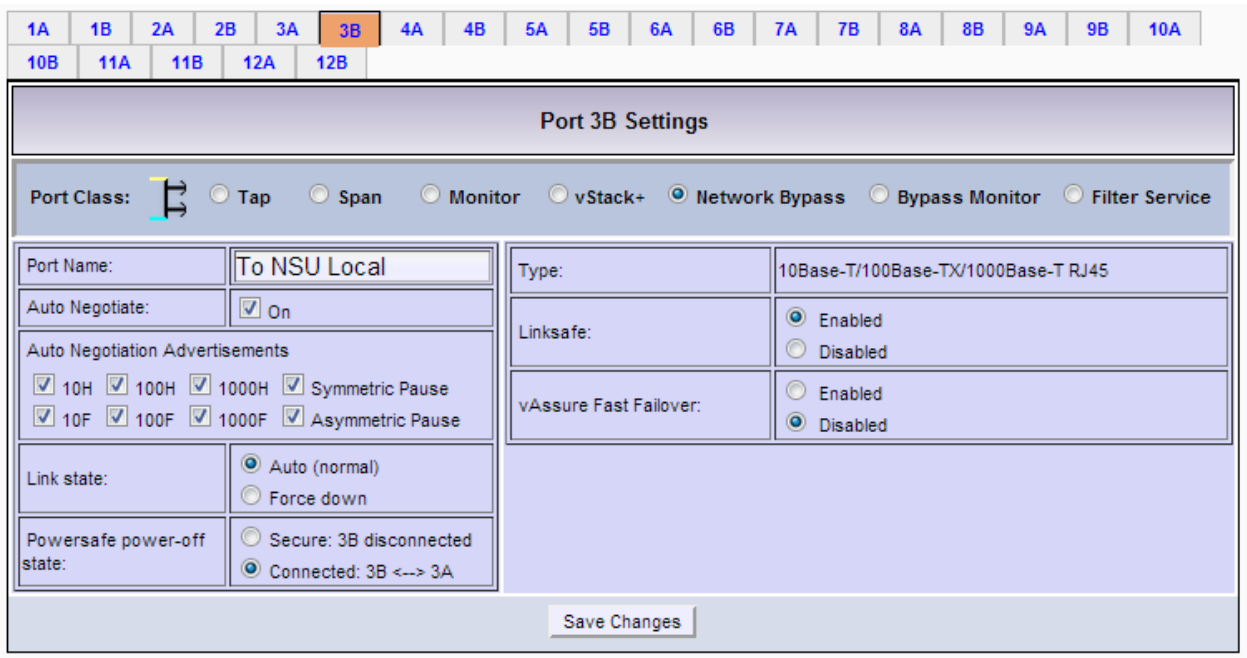
Port Status										
Port	Name	Link	Speed	Duplex	Negotiate	MDI	Class	Monitor	Status	Setup
1A	To NSU Local	Down	---	--	Auto	Auto	Network Bypass	To: 1B From: 1B	--	Setup
1B	To NSU Local	Up	1G	Full	Auto	Auto	Network Bypass	To: 1A From: 1A	OK	Setup
2A	To NSU Local	Up	1G	Full	Auto	Auto	Network Bypass	To: 2B From: 2B	OK	Setup
2B	To NSU Local	Up	1G	Full	Auto	Auto	Network Bypass	To: 2A From: 2A	OK	Setup
3A	To NSU Local	Down	---	--	Auto	Auto	Network Bypass	To: 3B From: 3B	LinkSafe Enabled	Setup
3B	To NSU Local	Down	---	--	Auto	Auto	Network Bypass	To: 3A From: 3A	LinkSafe Enabled	Setup
4A	To NSU Local	Up	1G	Full	Auto	Auto	Network Bypass	To: 4B From: 4B	LinkSafe OK	Setup
4B	To NSU Local	Up	1G	Full	Auto	Auto	Network Bypass	To: 4A From: 4A	LinkSafe OK	Setup
5A	IPS1	Down	---	--	Auto	Auto	Network Bypass		LinkSafe Enabled	Setup
5B	IPS1	Down	---	--	Auto	Auto	Network Bypass		LinkSafe Enabled	Setup
6A	IPS2	Up	1G	Full	Auto	Auto	Network Bypass		LinkSafe OK	Setup
6B	IPS2	Up	1G	Full	Auto	Auto	Network Bypass		LinkSafe OK	Setup
7A	Imperva 1	Down	---	--	Auto	Auto	Bypass Monitor		--	Setup
7B	Imperva 1	Down	---	--	Auto	Auto	Bypass Monitor		--	Setup
8A	Imperva 2	Up	1G	Full	Auto	Auto	Bypass Monitor		OK	Setup
8B	Imperva 2	Up	1G	Full	Auto	Auto	Bypass Monitor		OK	Setup
9A		Down	---	--	--	--	Bypass Monitor		--	Setup
9B		Down	---	--	--	--	Bypass Monitor		--	Setup
10A		Down	---	--	--	--	Tap		--	Setup
10B		Down	---	--	--	--	Tap		--	Setup
11A		Down	---	--	--	--	Bypass Monitor		--	Setup
11B		Down	---	--	--	--	Bypass Monitor		--	Setup
12A		Down	---	--	--	--	Network Bypass		--	Setup
12B	Wireshark	Down	---	--	--	--	Network Bypass		--	Setup

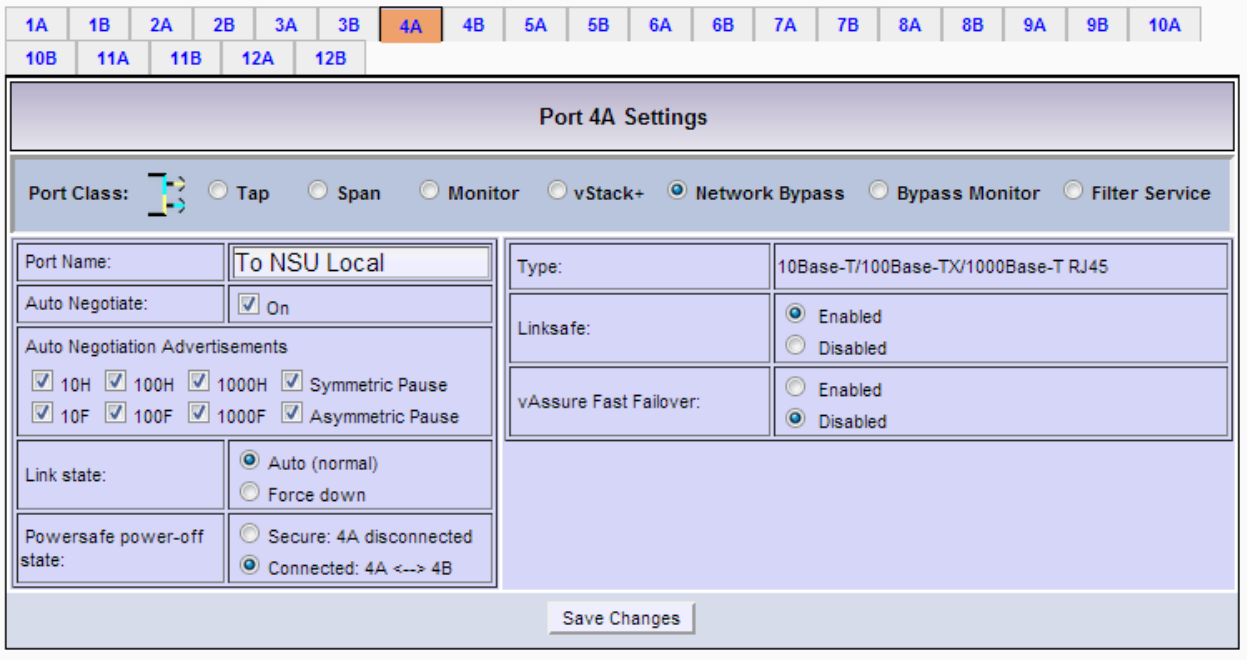

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 1A Settings
Port Class:
Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 1A disconnected Connected: 1A <--> 1B
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

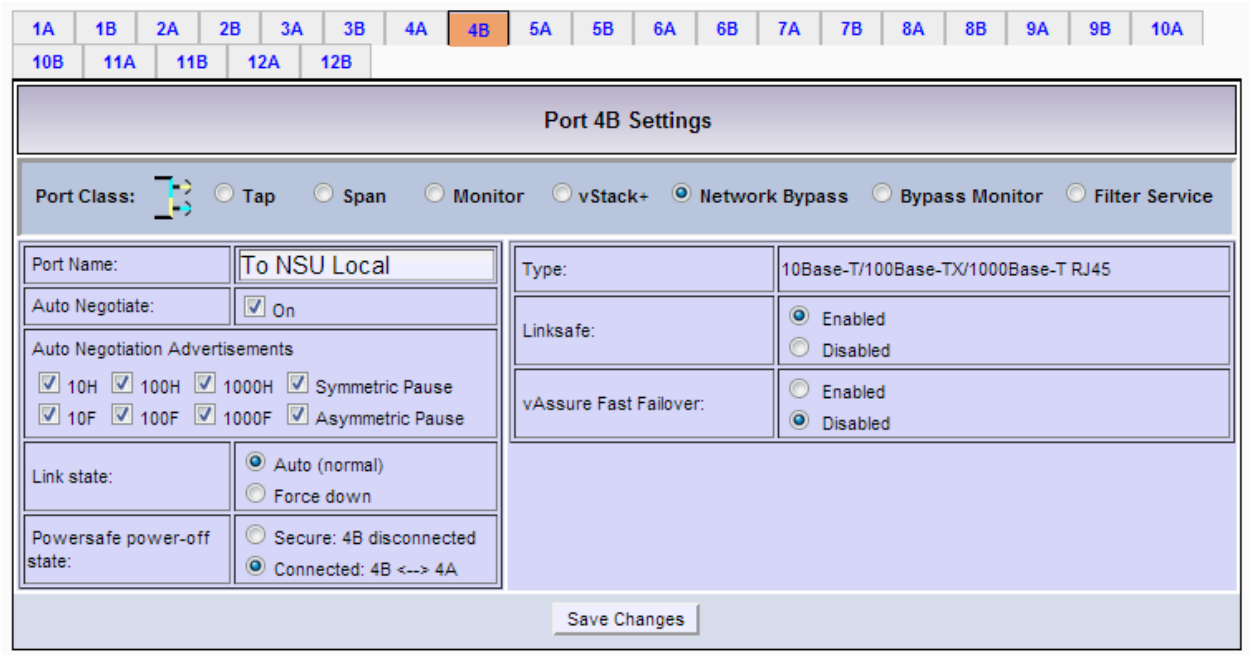

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 1B Settings
Port Class:
Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 1B disconnected Connected: 1B <--> 1A
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

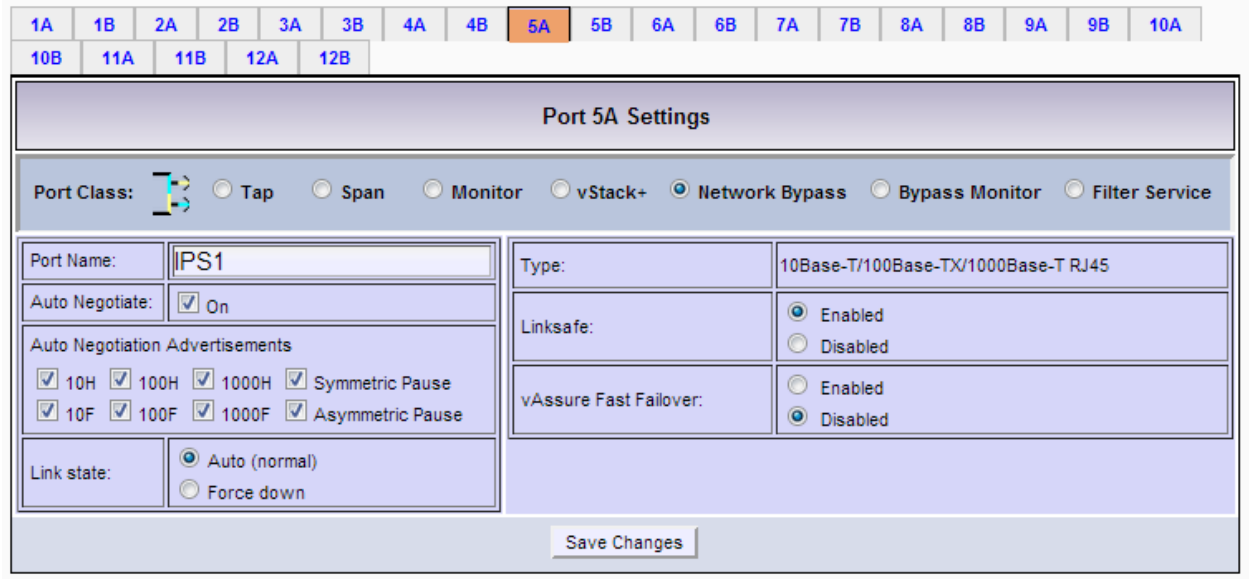

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 2A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 2A disconnected Connected: 2A <--> 2B
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

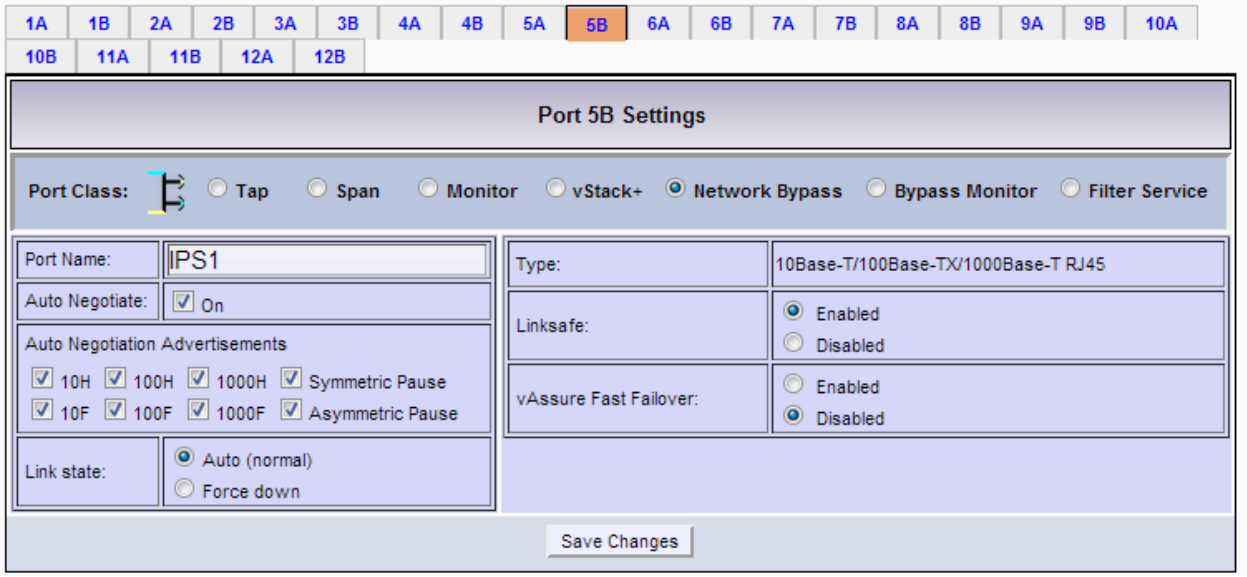

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 3A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 3A disconnected Connected: 3A <--> 3B
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

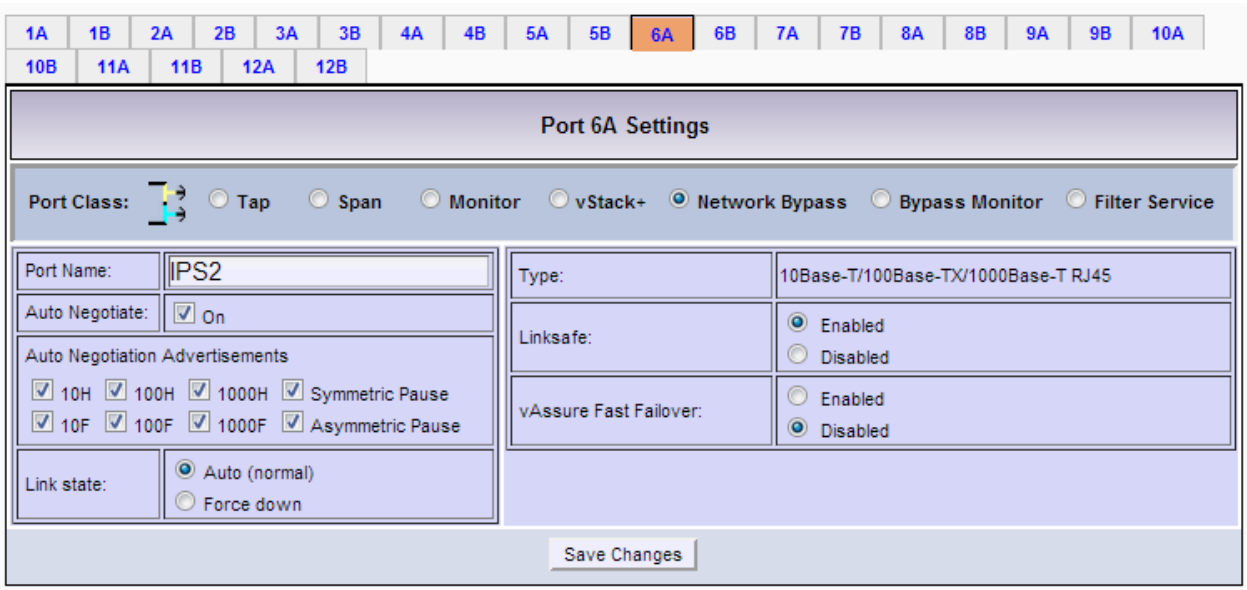

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 3B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 3B disconnected Connected: 3B <--> 3A
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

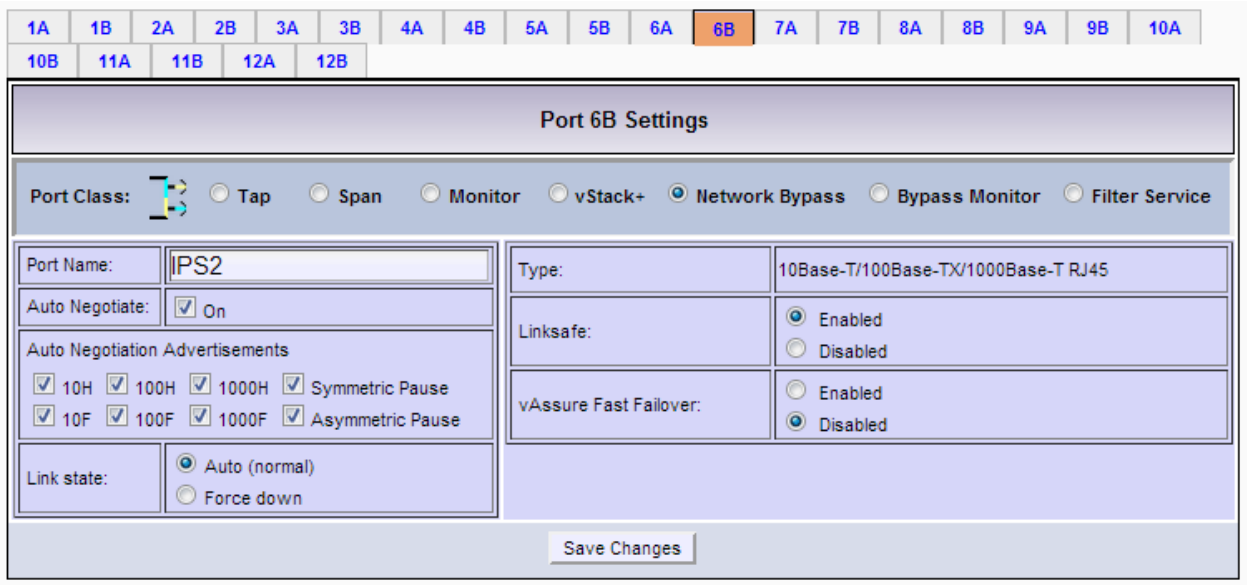

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 4A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 4A disconnected Connected: 4A <--> 4B
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

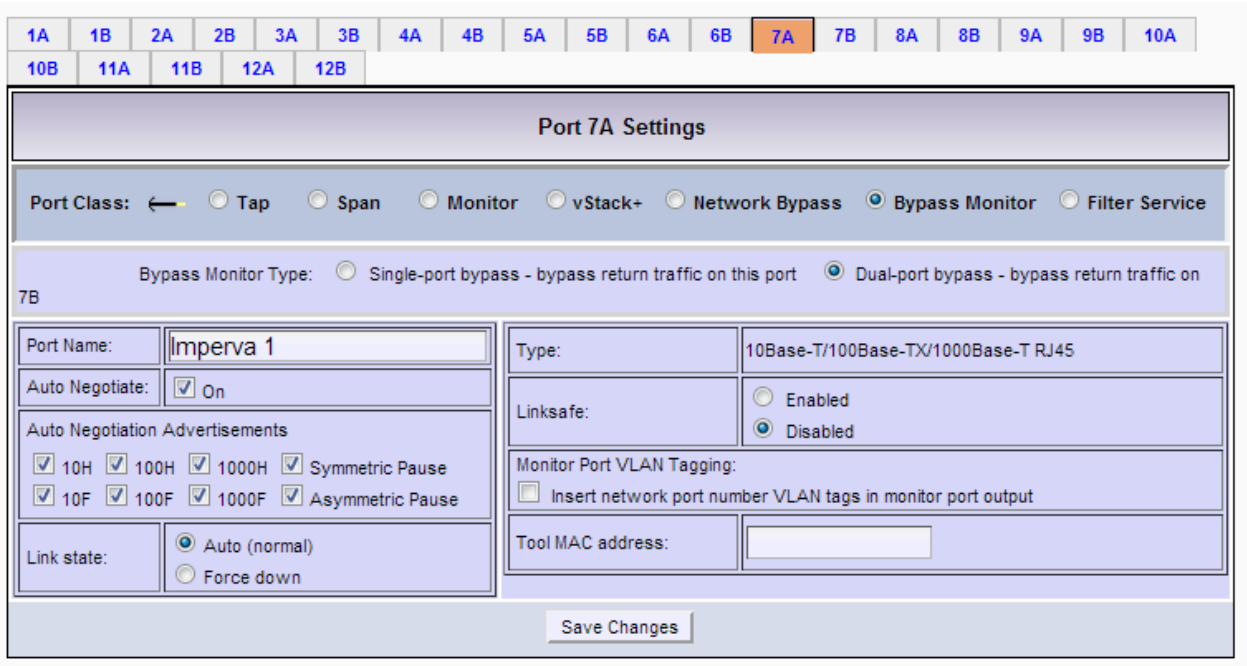

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 4B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 4B disconnected Connected: 4B <--> 4A
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

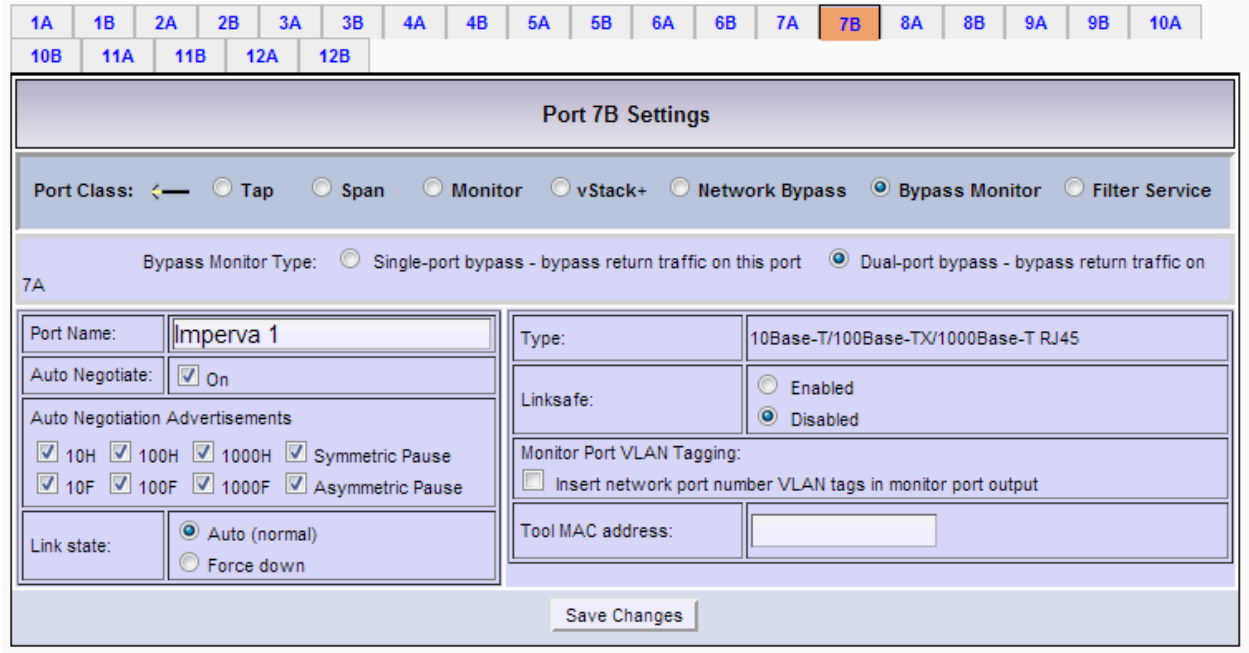

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 5A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: IPS1
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

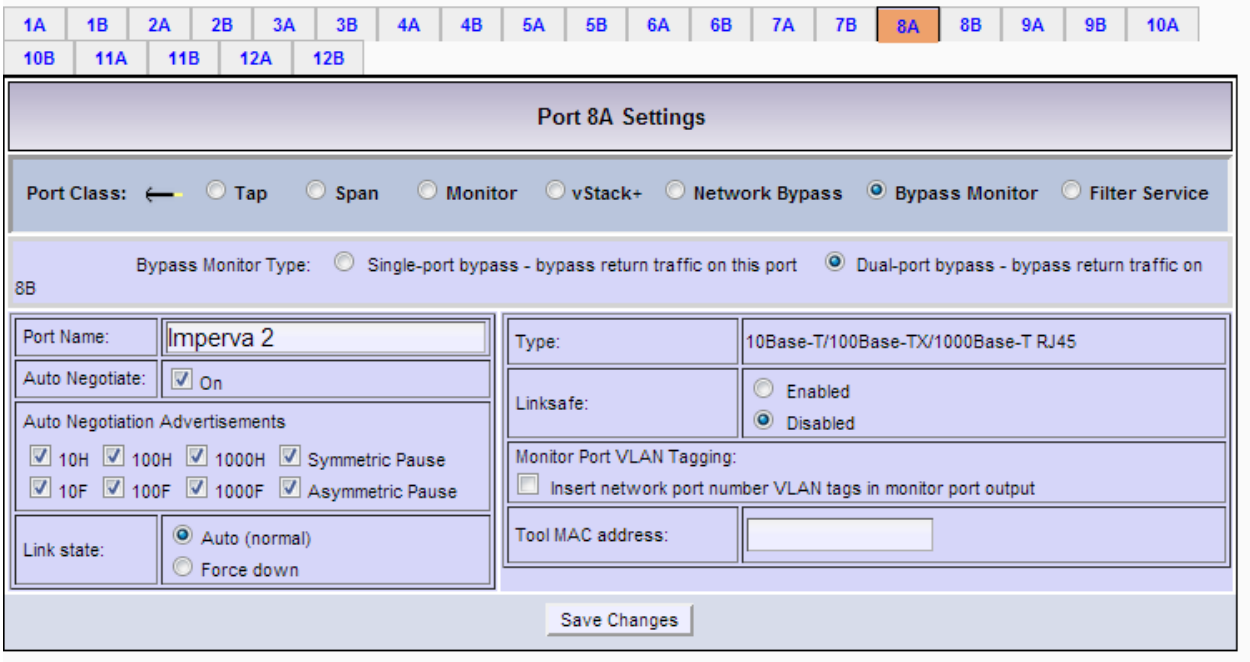

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 5B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: IPS1
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

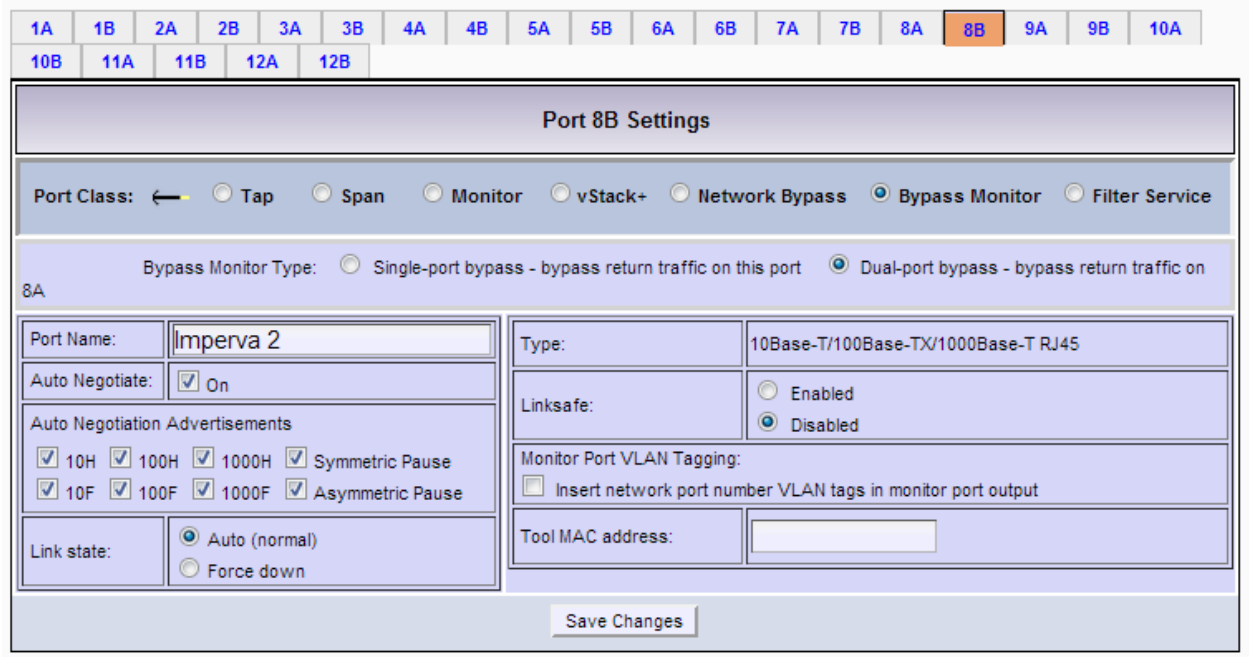

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 6A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: IPS2
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

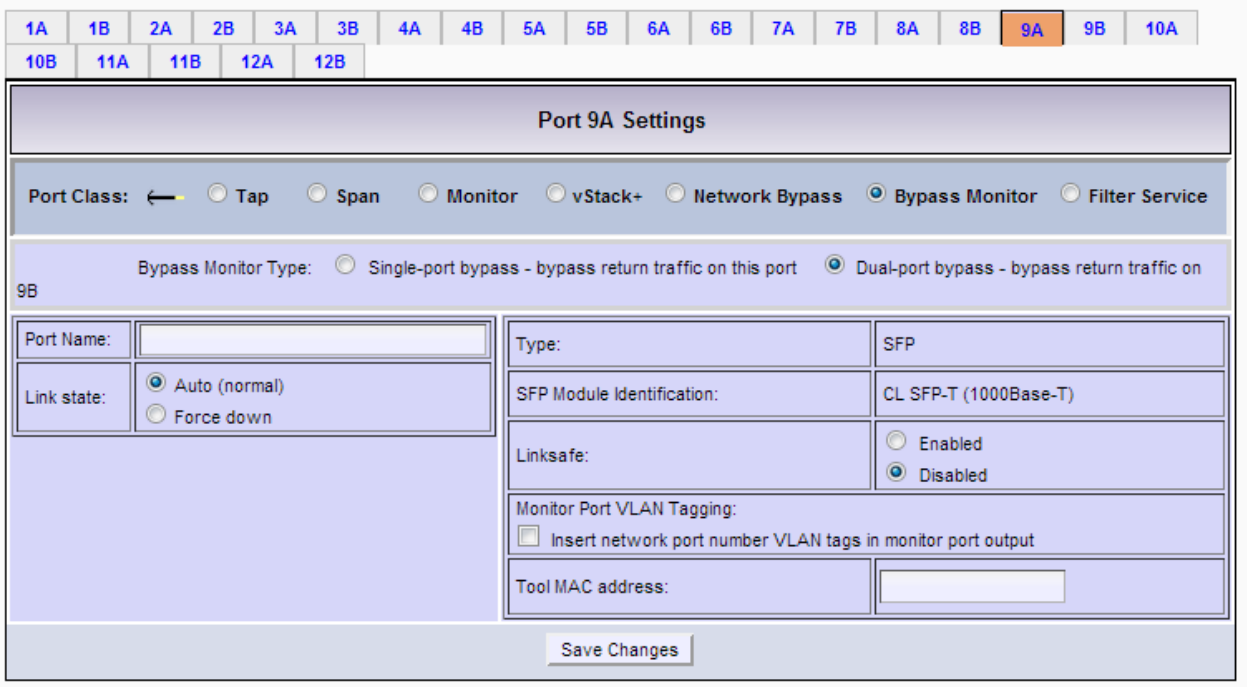

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 6B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: IPS2
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

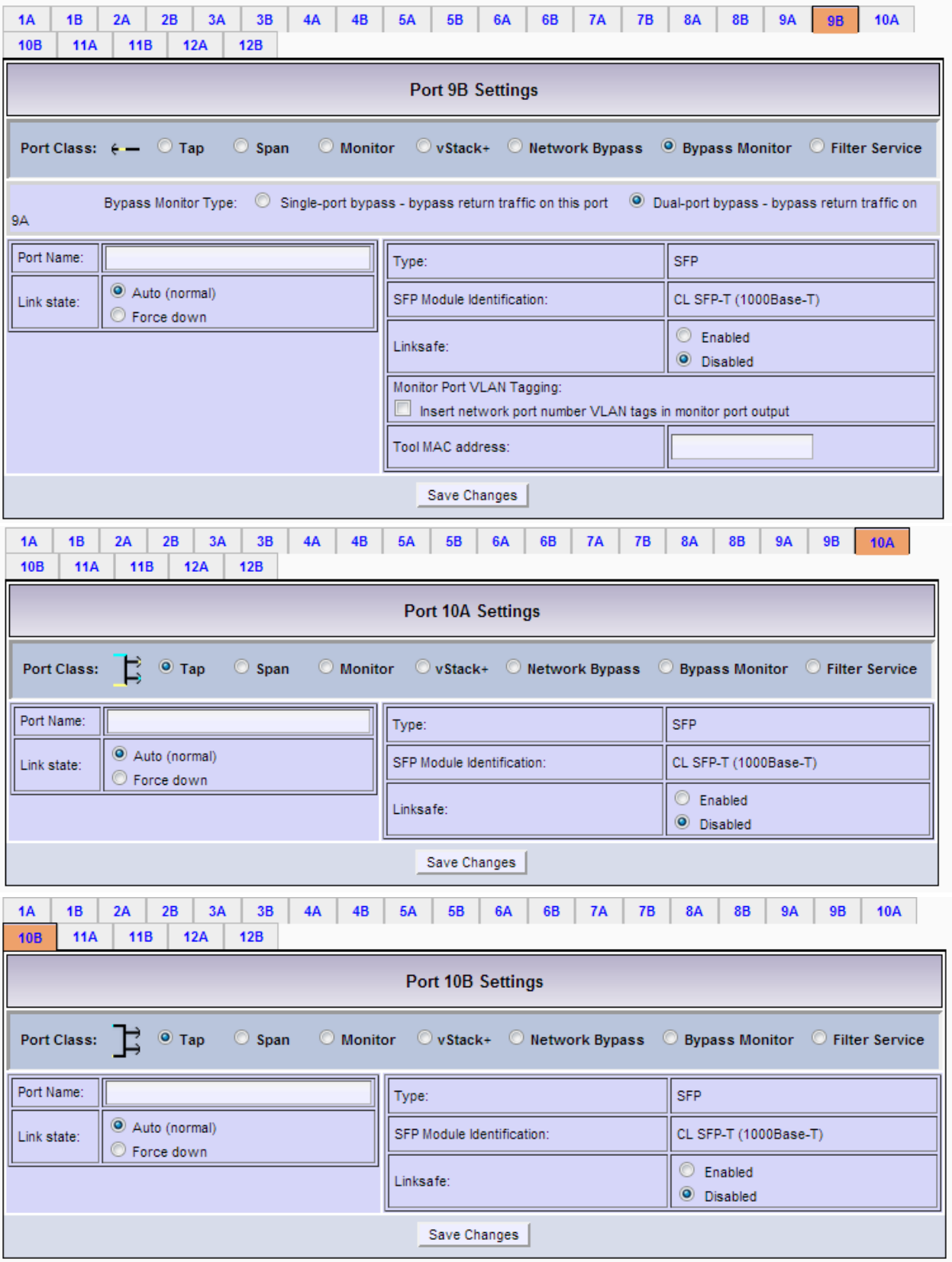

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 7A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 7B
Port Name: Imperva 1
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

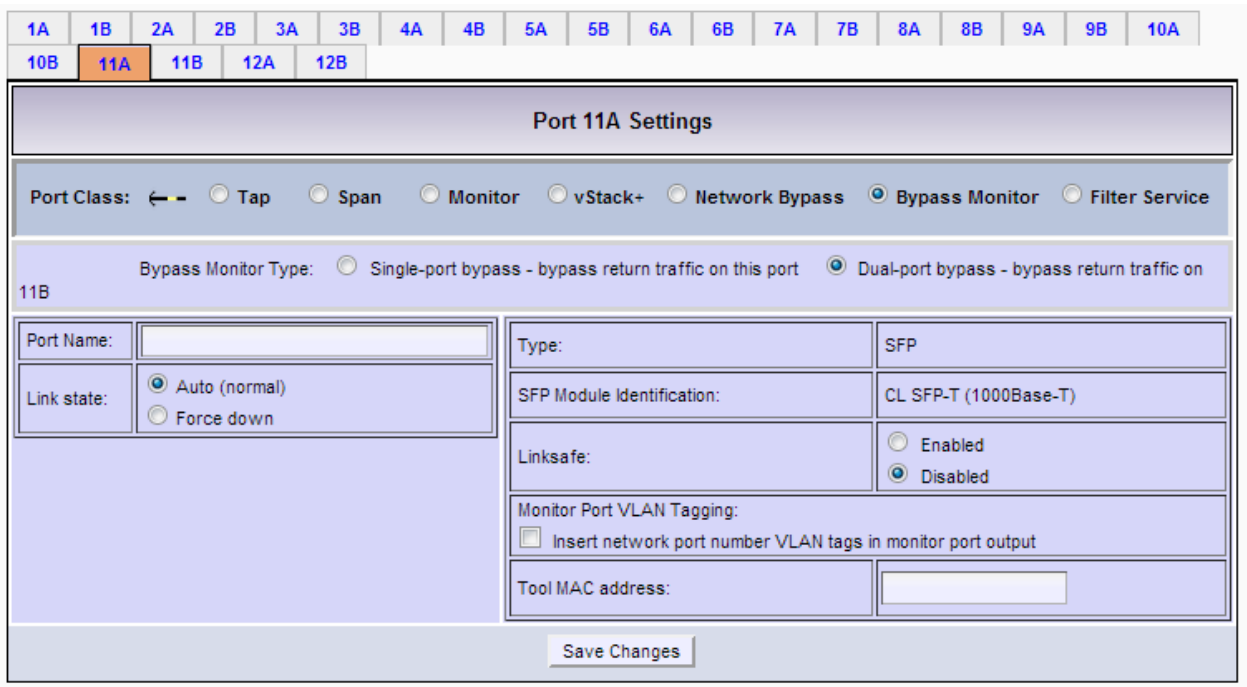

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 7B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 7A
Port Name: Imperva 1
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

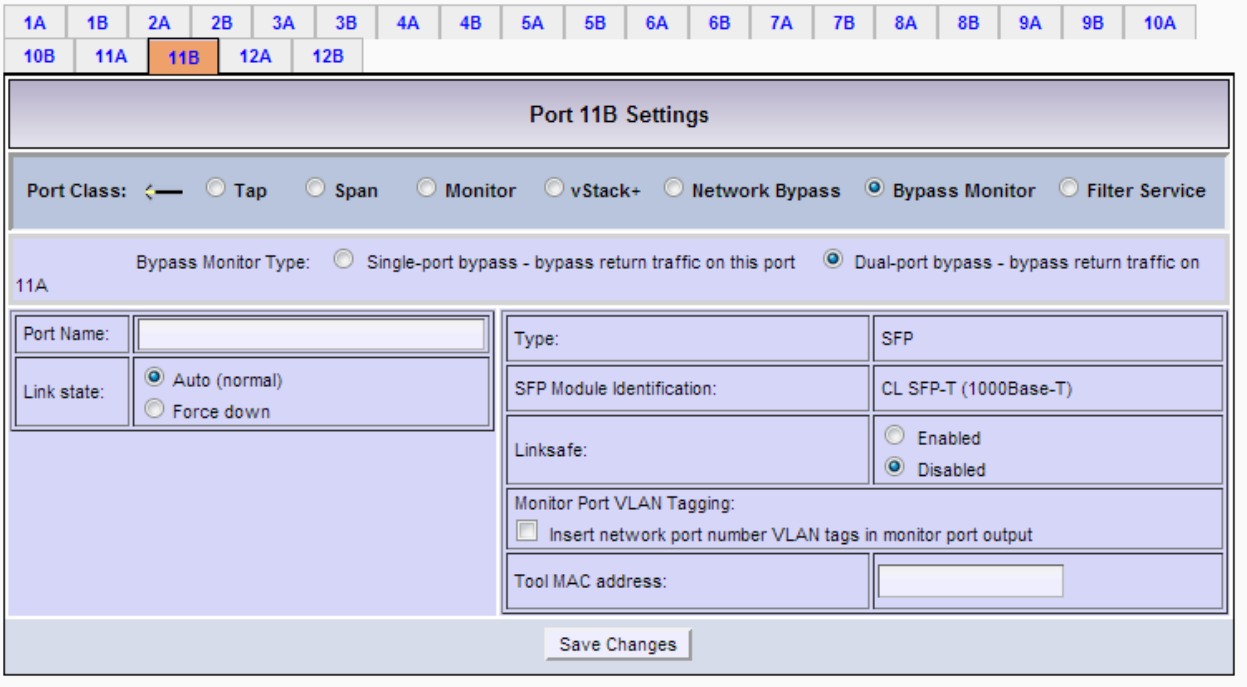

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 8A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 8B
Port Name: Imperva 2
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

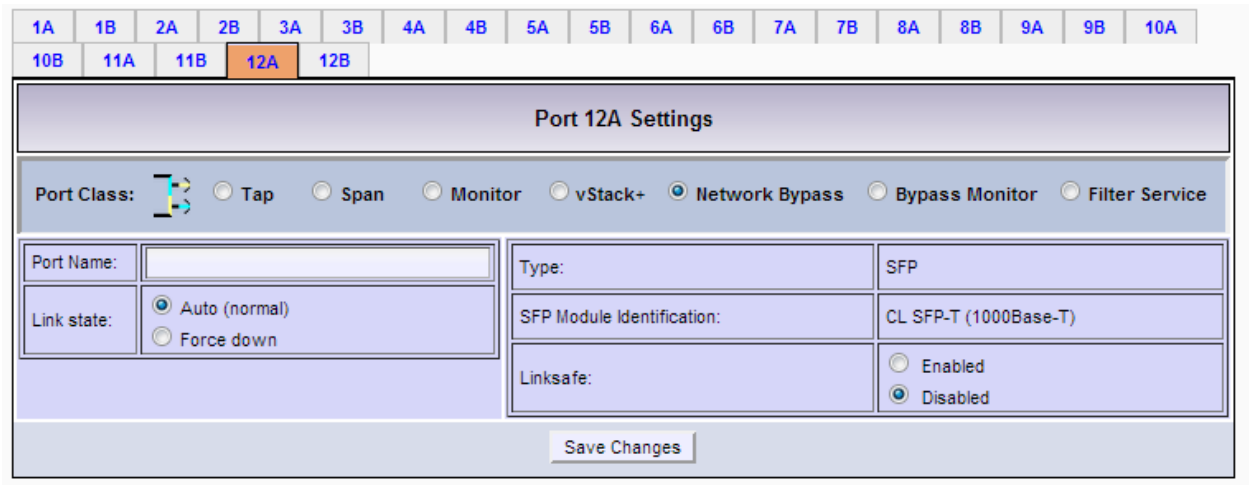

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 8B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 8A
Port Name: Imperva 2
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

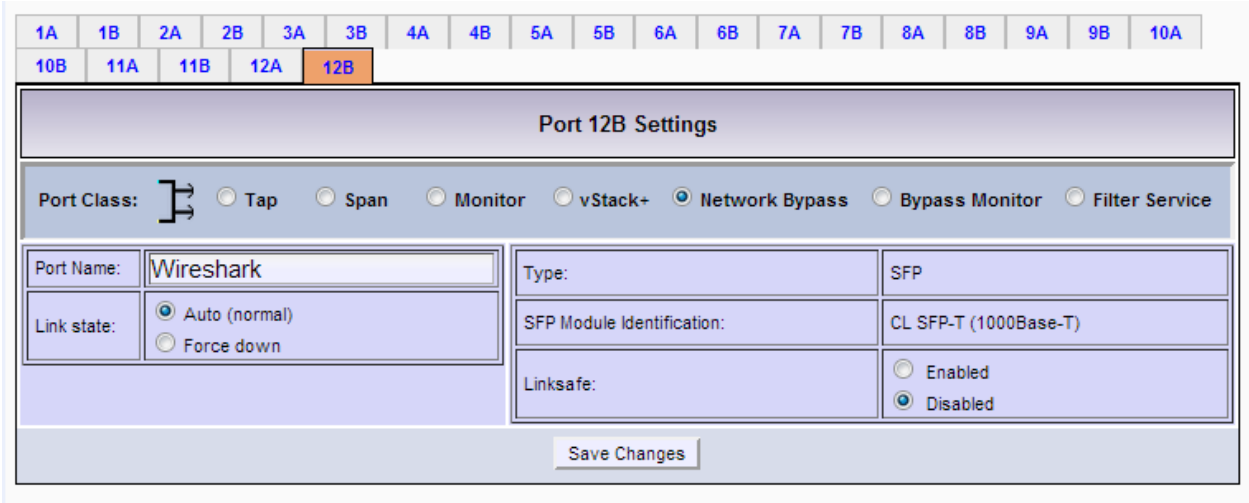

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 9A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 9B
Port Name:
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes


1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 9B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 9A
Port Name:
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes
1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 10A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Save Changes
1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 10B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Save Changes

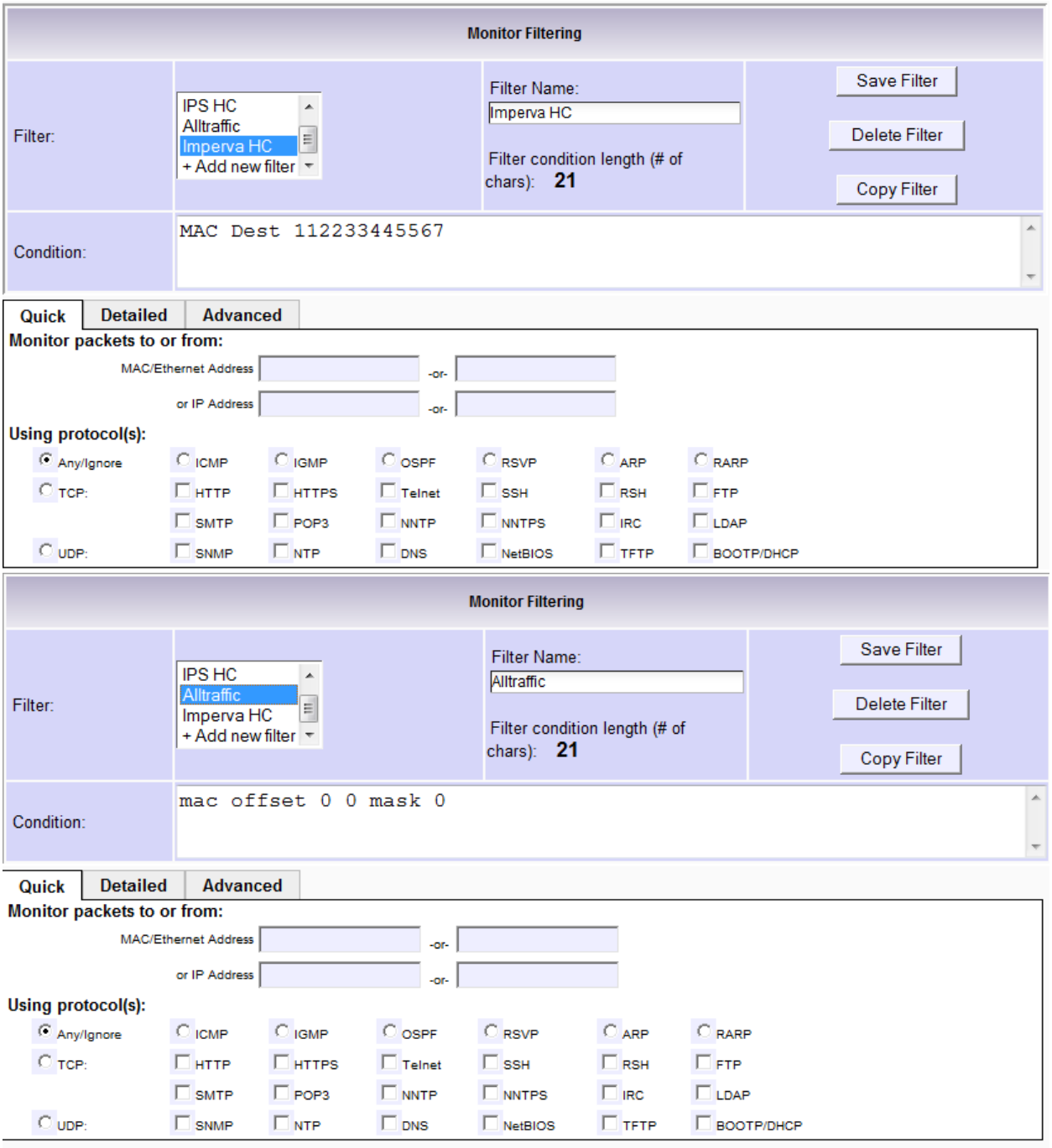

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 11A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 11B
Port Name:
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

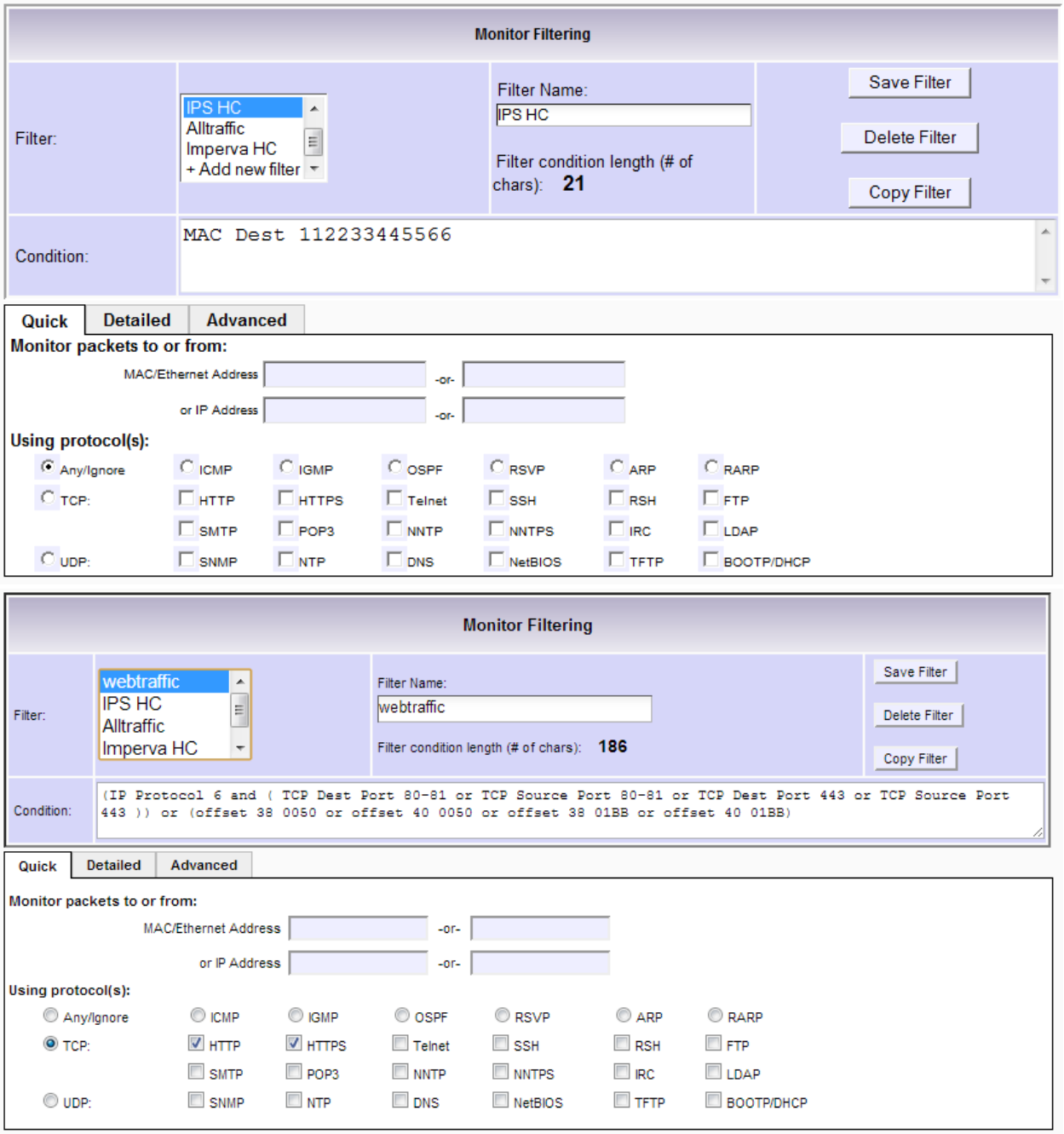

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 11B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 11A
Port Name:
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes


1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 12A Settings
Port Class:
Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Link state:
Auto (normal)
Force down
Type:
SFP
SFP Module Identification:
CL SFP-T (1000Base-T)
Linksafe:
Enabled
Disabled
Save Changes

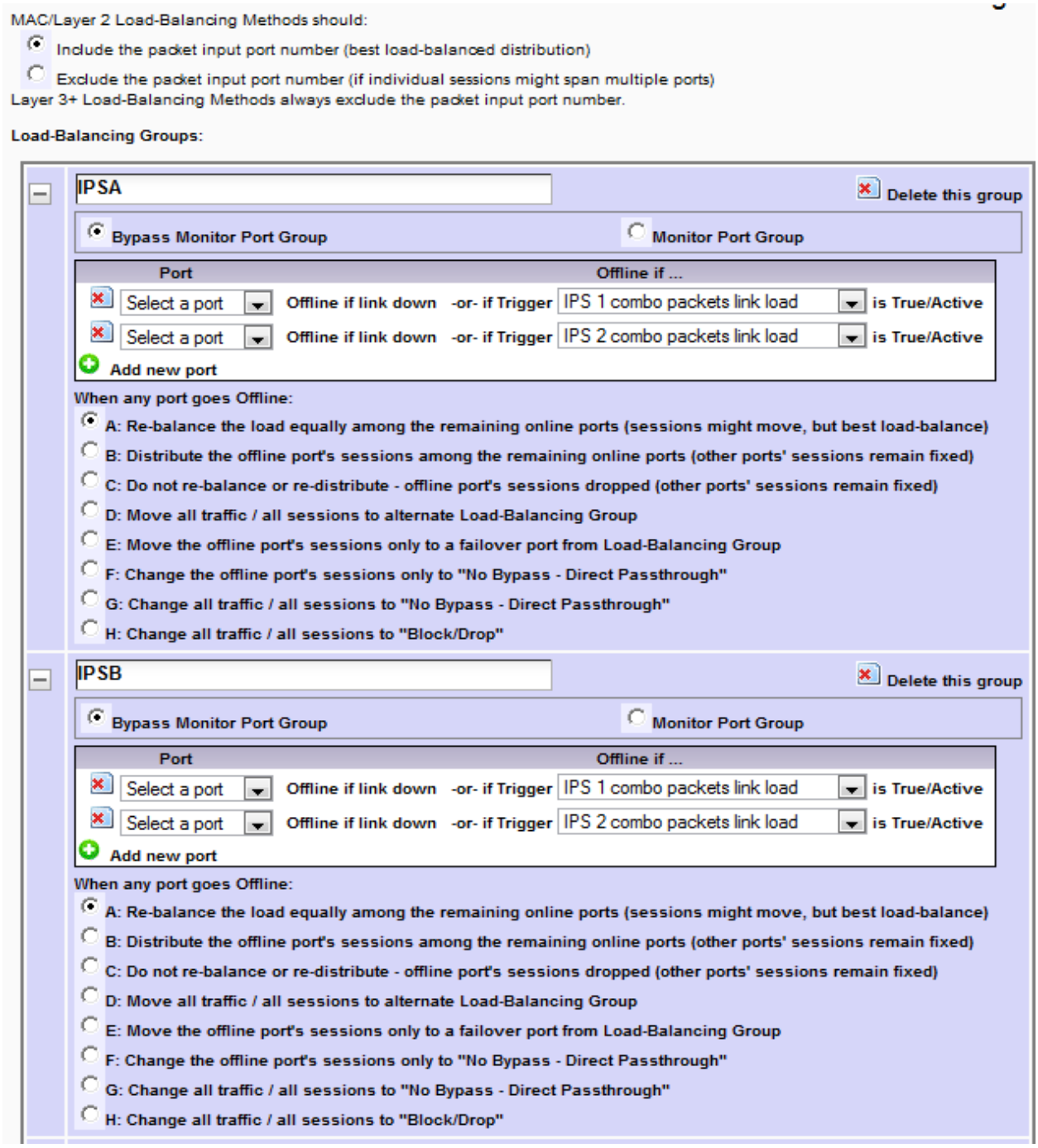

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 12B Settings
Port Class:
Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Wireshark
Link state:
Auto (normal)
Force down
Type:
SFP
SFP Module Identification:
CL SFP-T (1000Base-T)
Linksafe:
Enabled
Disabled
Save Changes

Filtering


Monitor Filtering
Filter:
IPS HC
Alltraffic
Imperva HC
+ Add new filter
Filter Name:
Imperva HC
Filter condition length (# of chars): 21
Save Filter
Delete Filter
Copy Filter
Condition:
MAC Dest 112233445567
Quick
Detailed
Advanced
Monitor packets to or from:
MAC/Ethernet Address
-or-
or IP Address
-or-
Using protocol(s):
Any/Ignore
ICMP
IGMP
OSPF
RSVP
ARP
RARP
TCP:
HTTP
HTTPS
Telnet
SSH
RSH
FTP
SMTP
POP3
NNTP
NNTPS
IRC
LDAP
UDP:
SNMP
NTP
DNS
NetBIOS
TFTP
BOOTP/DHCP
Monitor Filtering
Filter:
IPS HC
Alltraffic
Imperva HC
+ Add new filter
Filter Name:
Alltraffic
Filter condition length (# of chars): 21
Save Filter
Delete Filter
Copy Filter
Condition:
mac offset 0 0 mask 0
Quick
Detailed
Advanced
Monitor packets to or from:
MAC/Ethernet Address
-or-
or IP Address
-or-
Using protocol(s):
Any/Ignore
ICMP
IGMP
OSPF
RSVP
ARP
RARP
TCP:
HTTP
HTTPS
Telnet
SSH
RSH
FTP
SMTP
POP3
NNTP
NNTPS
IRC
LDAP
UDP:
SNMP
NTP
DNS
NetBIOS
TFTP
BOOTP/DHCP


Monitor Filtering
Filter:
IPS HC
Alltraffic
Imperva HC
+ Add new filter
Filter Name:
IPS HC
Filter condition length (# of chars): 21
Save Filter
Delete Filter
Copy Filter
Condition:
MAC Dest 112233445566
Quick
Detailed
Advanced
Monitor packets to or from:
MAC/Ethernet Address
-or-
or IP Address
-or-
Using protocol(s):
Any/Ignore
ICMP
IGMP
OSPF
RSVP
ARP
RARP
TCP:
HTTP
HTTPS
Telnet
SSH
RSH
FTP
SMTP
POP3
NNTP
NNTPS
IRC
LDAP
UDP:
SNMP
NTP
DNS
NetBIOS
TFTP
BOOTP/DHCP
Monitor Filtering
Filter:
webtraffic
IPS HC
Alltraffic
Imperva HC
Filter Name:
webtraffic
Filter condition length (# of chars): 186
Save Filter
Delete Filter
Copy Filter
Condition:
(IP Protocol 6 and (TCP Dest Port 80-81 or TCP Source Port 80-81 or TCP Dest Port 443 or TCP Source Port 443)) or (offset 38 0050 or offset 40 0050 or offset 38 01BB or offset 40 01BB)
Quick
Detailed
Advanced
Monitor packets to or from:
MAC/Ethernet Address
-or-
or IP Address
-or-
Using protocol(s):
Any/Ignore
ICMP
IGMP
OSPF
RSVP
ARP
RARP
TCP:
HTTP
HTTPS
Telnet
SSH
RSH
FTP
SMTP
POP3
NNTP
NNTPS
IRC
LDAP
UDP:
SNMP
NTP
DNS
NetBIOS
TFTP
BOOTP/DHCP

Load Balancing Settings



Imperva A

Delete this group

Bypass Monitor Port Group Monitor Port Group

Port	Offline if ...			
7A (Imperva 1)	Offline if link down	-or- if Trigger	Imperva 1 combo packets link load	is True/Active
8A (Imperva 2)	Offline if link down	-or- if Trigger	Imperva 2 combo packets link load	is True/Active

Add new port

When any port goes Offline:

- A: Re-balance the load equally among the remaining online ports (sessions might move, but best load-balance)
- B: Distribute the offline port's sessions among the remaining online ports (other ports' sessions remain fixed)
- C: Do not re-balance or re-distribute - offline port's sessions dropped (other ports' sessions remain fixed)
- D: Move all traffic / all sessions to alternate Load-Balancing Group
- E: Move the offline port's sessions only to a failover port from Load-Balancing Group
- F: Change the offline port's sessions only to "No Bypass - Direct Passthrough"
- G: Change all traffic / all sessions to "No Bypass - Direct Passthrough"
- H: Change all traffic / all sessions to "Block/Drop"

Imperva B

Delete this group

Bypass Monitor Port Group Monitor Port Group

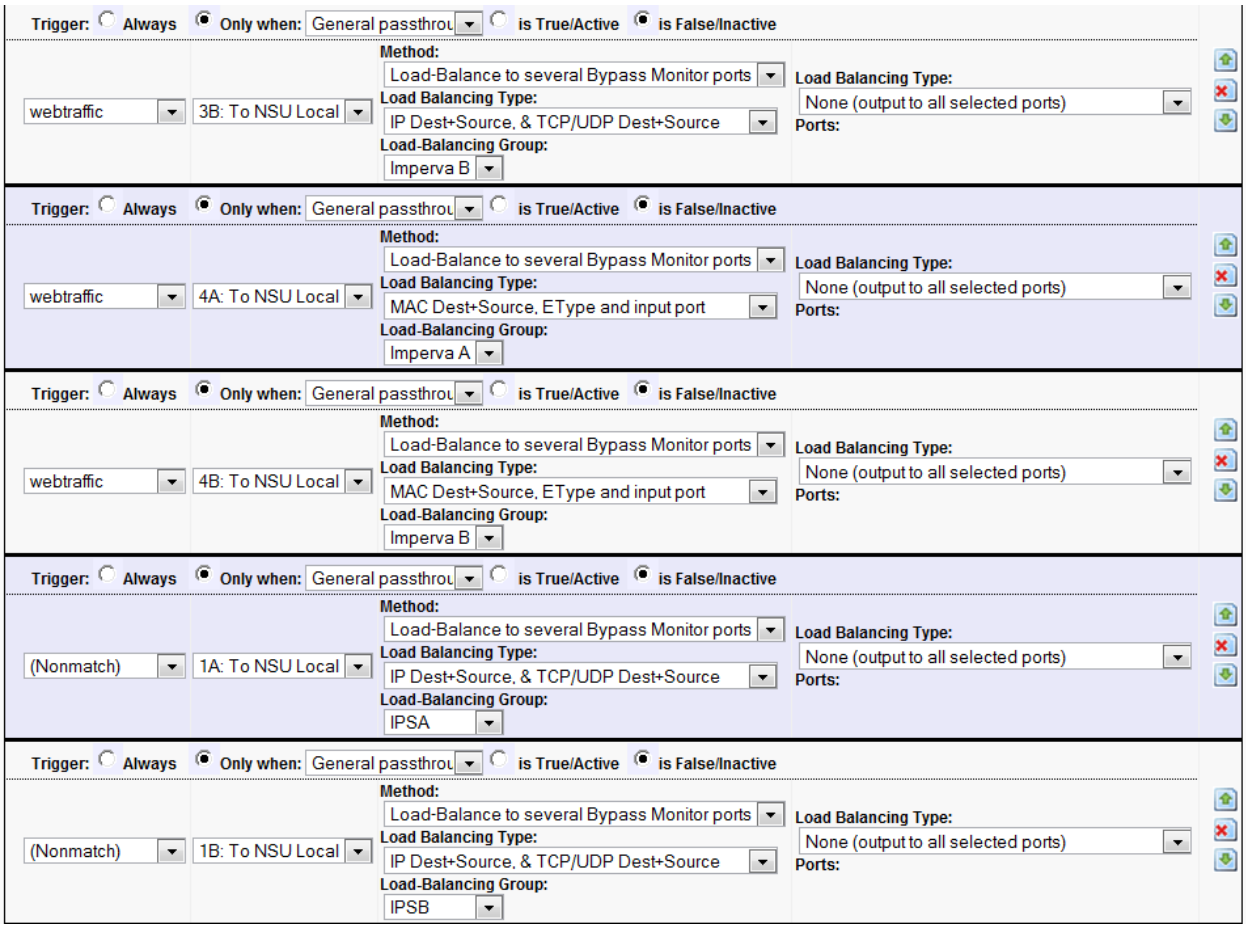
Port	Offline if ...			
7B (Imperva 1)	Offline if link down	-or- if Trigger	Imperva 1 combo packets link load	is True/Active
8B (Imperva 2)	Offline if link down	-or- if Trigger	Imperva 2 combo packets link load	is True/Active

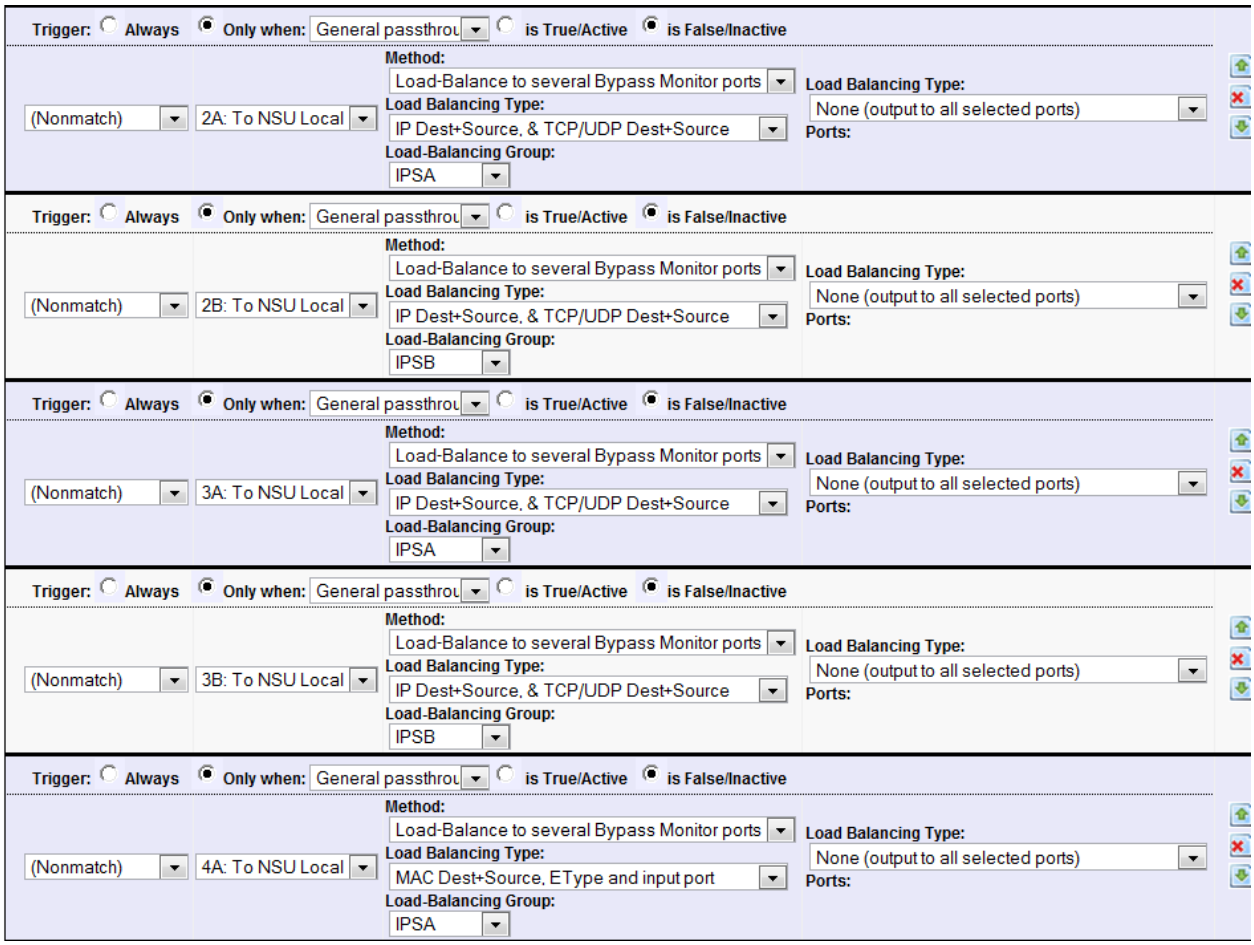
Add new port

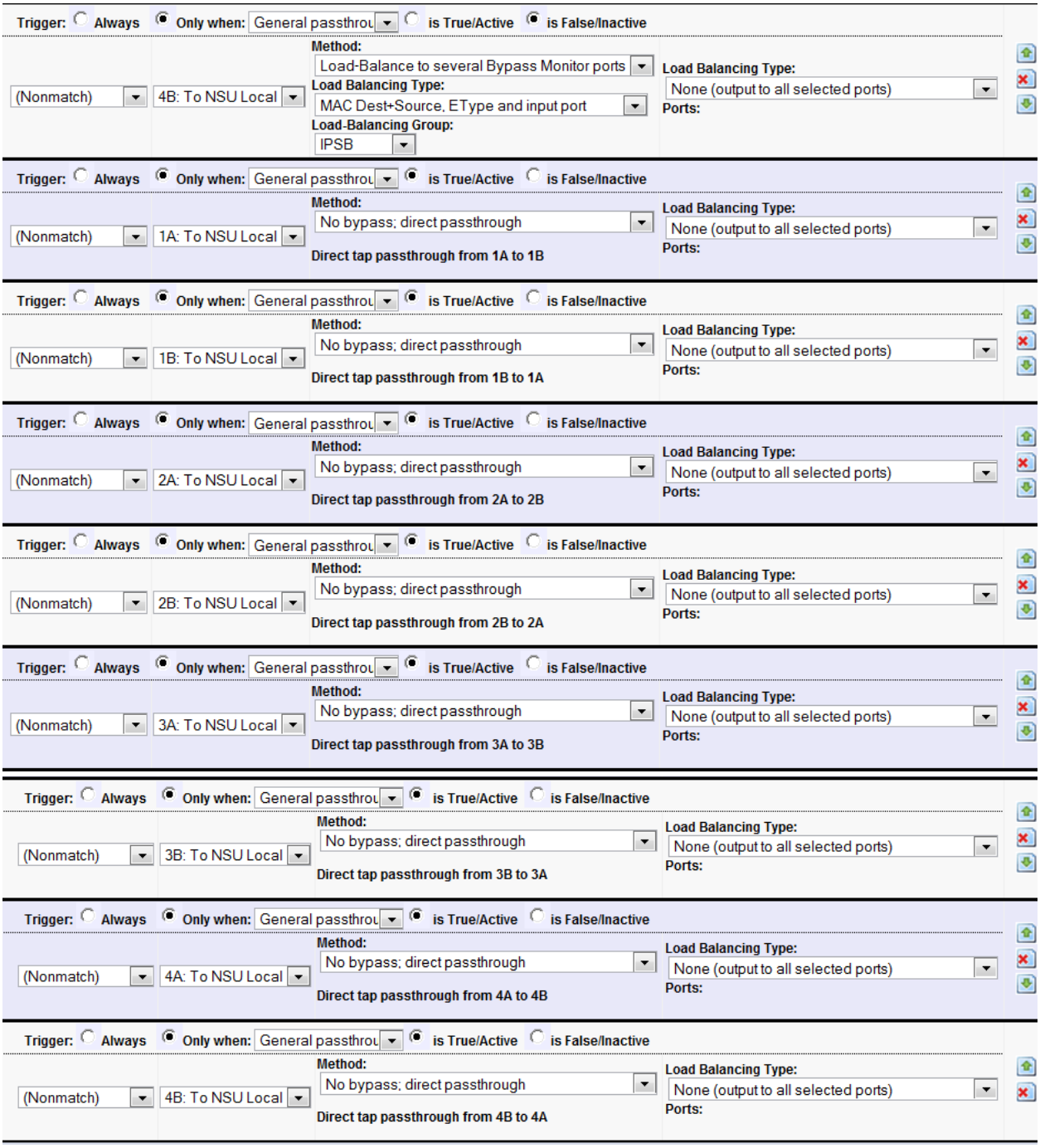
When any port goes Offline:

- A: Re-balance the load equally among the remaining online ports (sessions might move, but best load-balance)
- B: Distribute the offline port's sessions among the remaining online ports (other ports' sessions remain fixed)
- C: Do not re-balance or re-distribute - offline port's sessions dropped (other ports' sessions remain fixed)
- D: Move all traffic / all sessions to alternate Load-Balancing Group
- E: Move the offline port's sessions only to a failover port from Load-Balancing Group
- F: Change the offline port's sessions only to "No Bypass - Direct Passthrough"
- G: Change all traffic / all sessions to "No Bypass - Direct Passthrough"
- H: Change all traffic / all sessions to "Block/Drop"

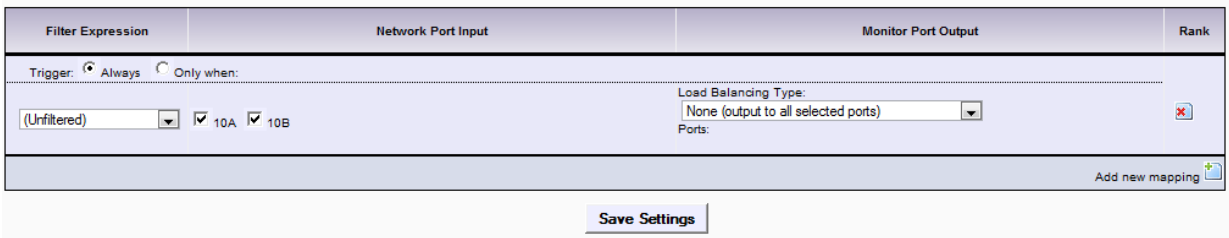
Bypass Monitor Settings



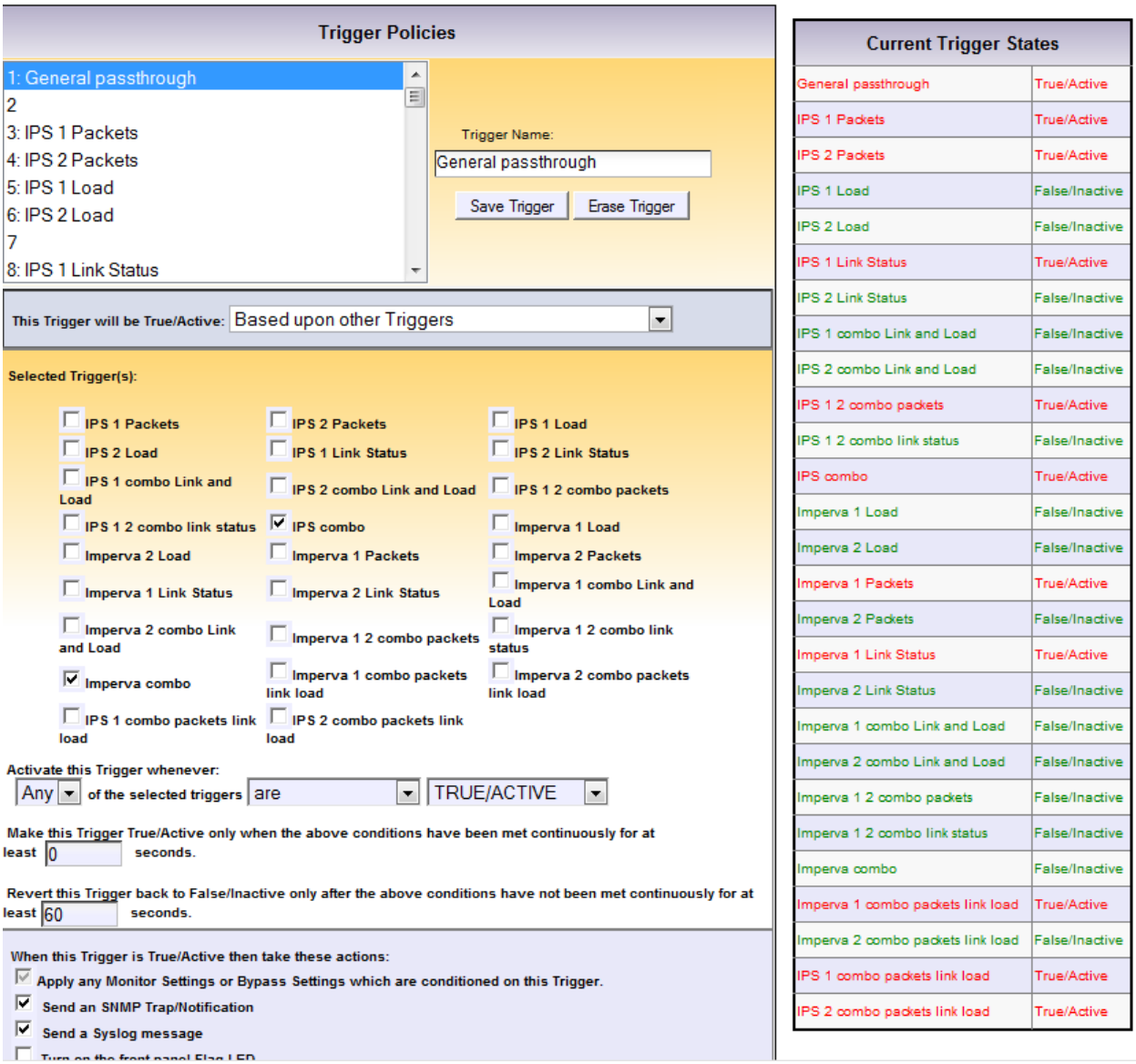

Trigger: Always Only when: General passthrou is True/Active is False/Inactive
(Nonmatch) 2A: To NSU Local
Method: Load-Balance to several Bypass Monitor ports
Load Balancing Type: IP Dest+Source, & TCP/UDP Dest+Source
Load-Balancing Group: IPSA
Load Balancing Type: None (output to all selected ports)
Ports:
Trigger: Always Only when: General passthrou is True/Active is False/Inactive
(Nonmatch) 2B: To NSU Local
Method: Load-Balance to several Bypass Monitor ports
Load Balancing Type: IP Dest+Source, & TCP/UDP Dest+Source
Load-Balancing Group: IPSB
Load Balancing Type: None (output to all selected ports)
Ports:
Trigger: Always Only when: General passthrou is True/Active is False/Inactive
(Nonmatch) 3A: To NSU Local
Method: Load-Balance to several Bypass Monitor ports
Load Balancing Type: IP Dest+Source, & TCP/UDP Dest+Source
Load-Balancing Group: IPSA
Load Balancing Type: None (output to all selected ports)
Ports:
Trigger: Always Only when: General passthrou is True/Active is False/Inactive
(Nonmatch) 3B: To NSU Local
Method: Load-Balance to several Bypass Monitor ports
Load Balancing Type: IP Dest+Source, & TCP/UDP Dest+Source
Load-Balancing Group: IPSB
Load Balancing Type: None (output to all selected ports)
Ports:
Trigger: Always Only when: General passthrou is True/Active is False/Inactive
(Nonmatch) 4A: To NSU Local
Method: Load-Balance to several Bypass Monitor ports
Load Balancing Type: MAC Dest+Source, EType and input port
Load-Balancing Group: IPSA
Load Balancing Type: None (output to all selected ports)
Ports:



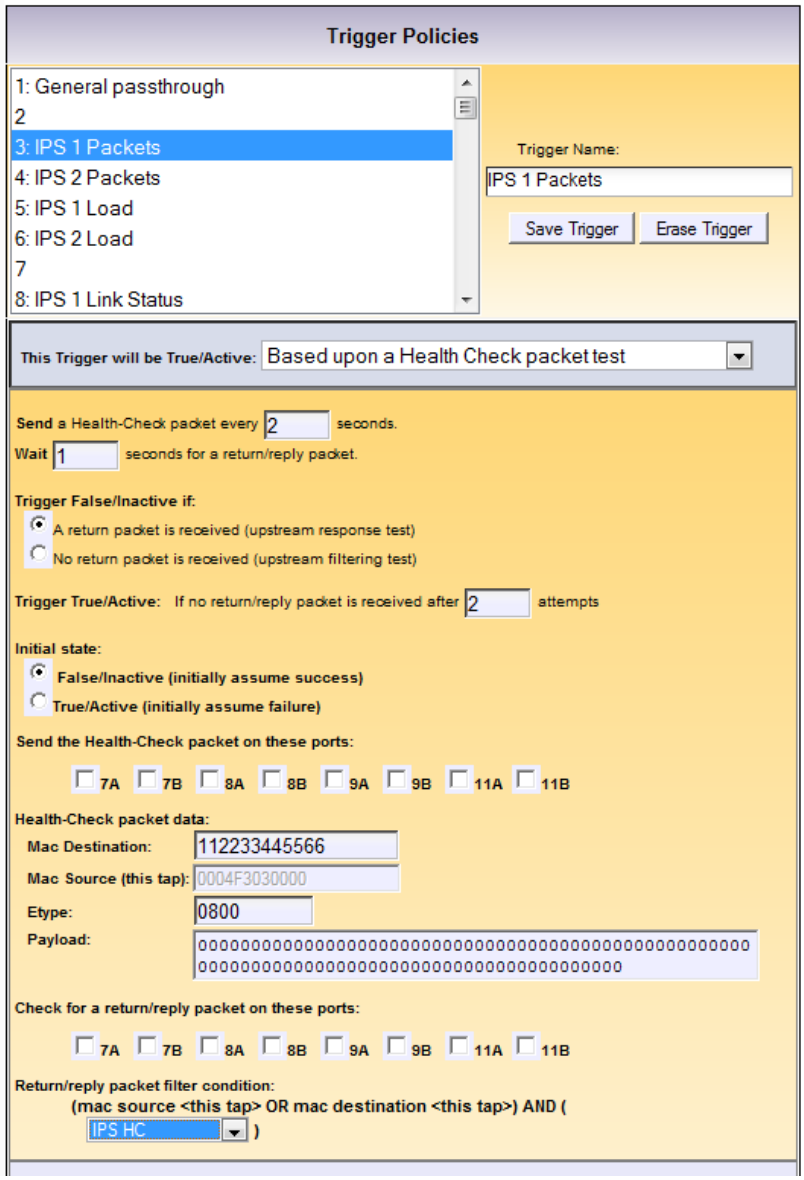
Monitor Settings



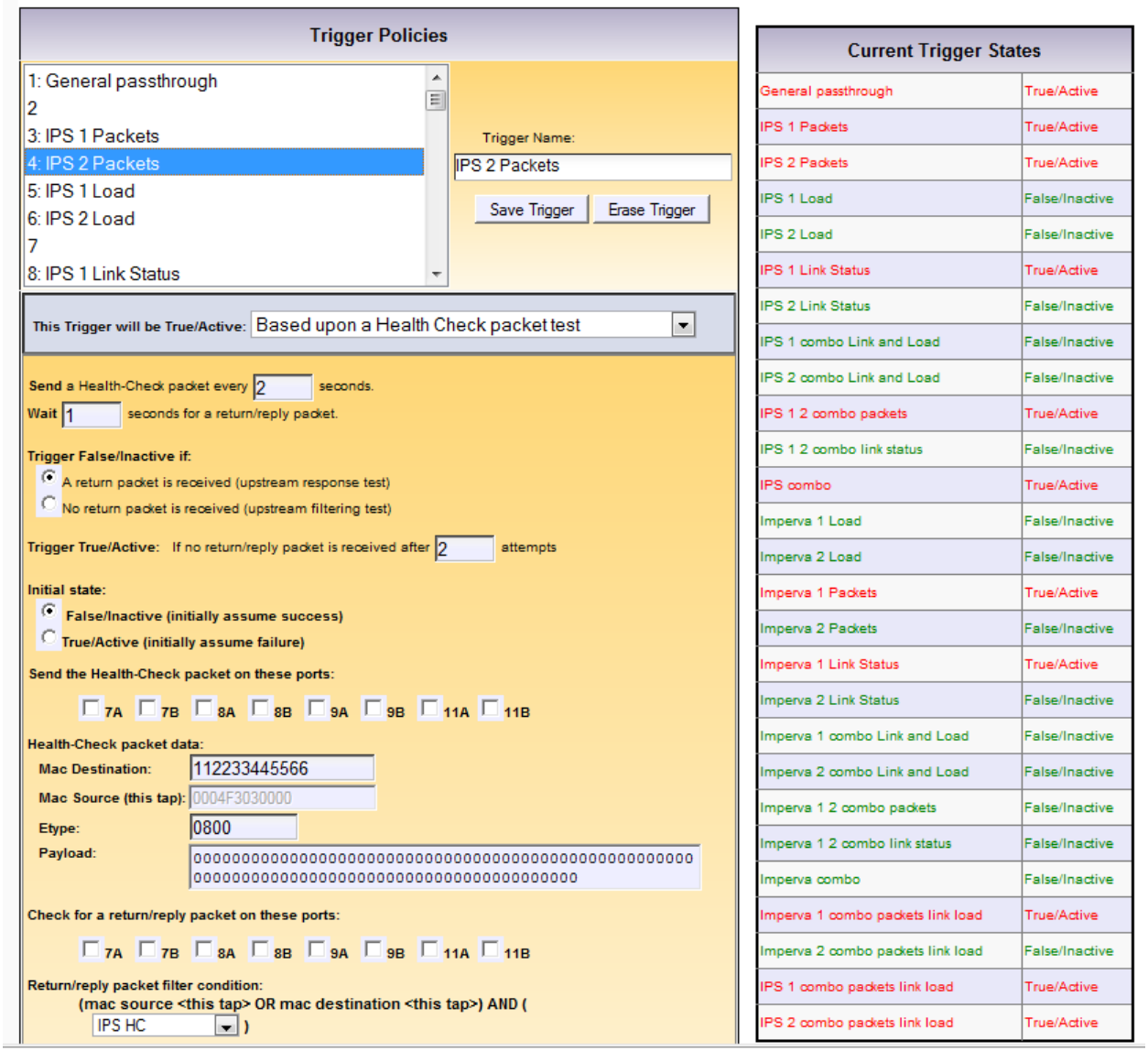
Triggers



Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Trigger Policies

1: General passthrough
2
3: IPS 1 Packets
4: IPS 2 Packets
5: IPS 1 Load
6: IPS 2 Load
7
8: IPS 1 Link Status

Trigger Name: IPS 2 Packets

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon a Health Check packet test

Send a Health-Check packet every 2 seconds.
Wait 1 seconds for a return/reply packet.

Trigger False/Inactive if:
- (•) A return packet is received (upstream response test)
- ( ) No return packet is received (upstream filtering test)

Trigger True/Active: If no return/reply packet is received after 2 attempts

Initial state:
- (•) False/Inactive (initially assume success)
- ( ) True/Active (initially assume failure)

Send the Health-Check packet on these ports:
[ ] 7A [ ] 7B [ ] 8A [ ] 8B [ ] 9A [ ] 9B [ ] 11A [ ] 11B

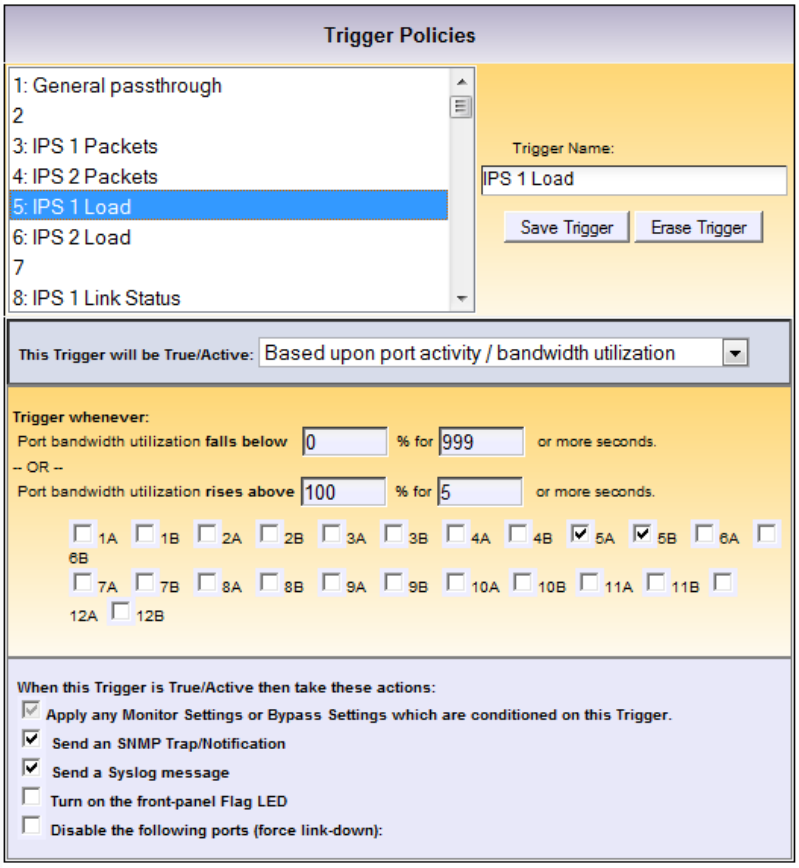
Health-Check packet data:
- Mac Destination: 112233445566
- Mac Source (this tap): 0004F3030000
- Etype: 0800
- Payload: 00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000

Check for a return/reply packet on these ports:
[ ] 7A [ ] 7B [ ] 8A [ ] 8B [ ] 9A [ ] 9B [ ] 11A [ ] 11B

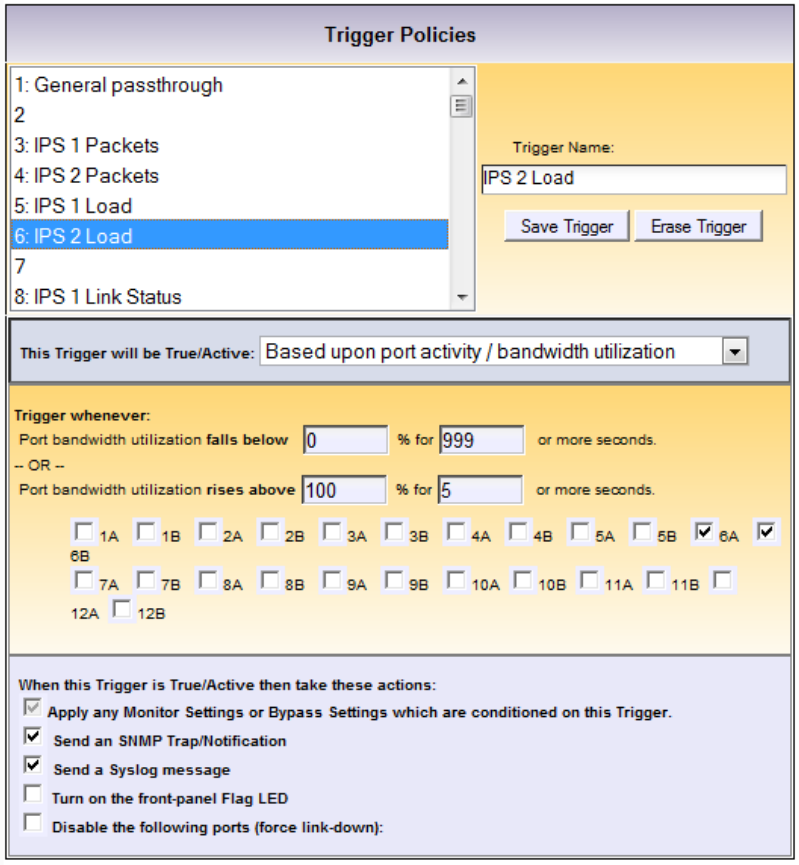
Return/reply packet filter condition:
(mac source <this tap> OR mac destination <this tap>) AND (IPS HC)

Current Trigger States

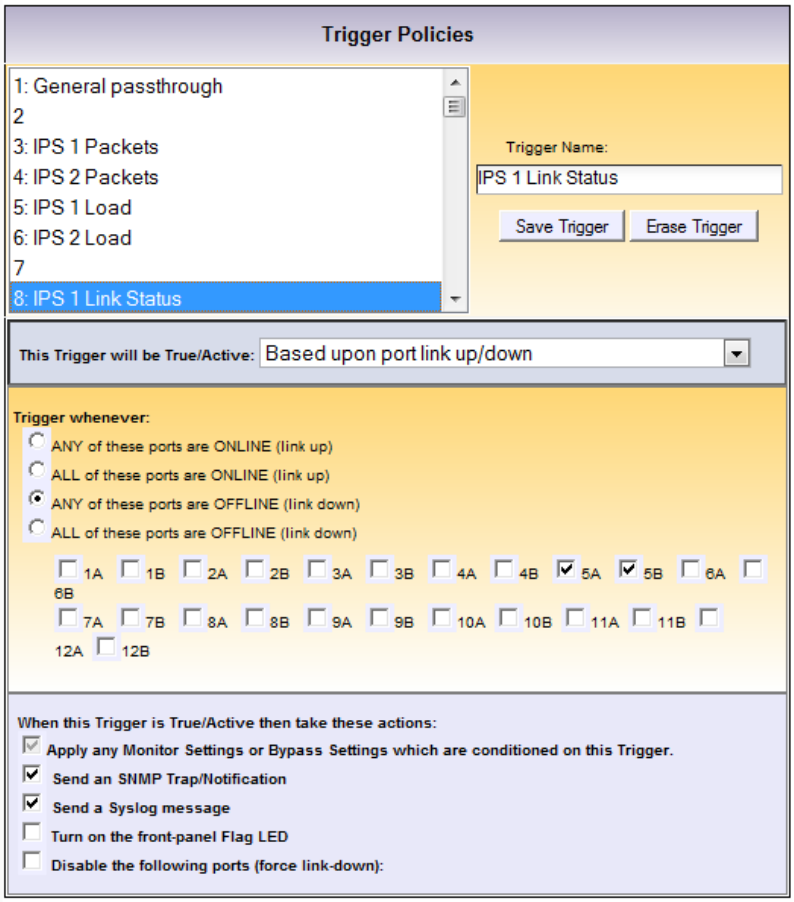
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



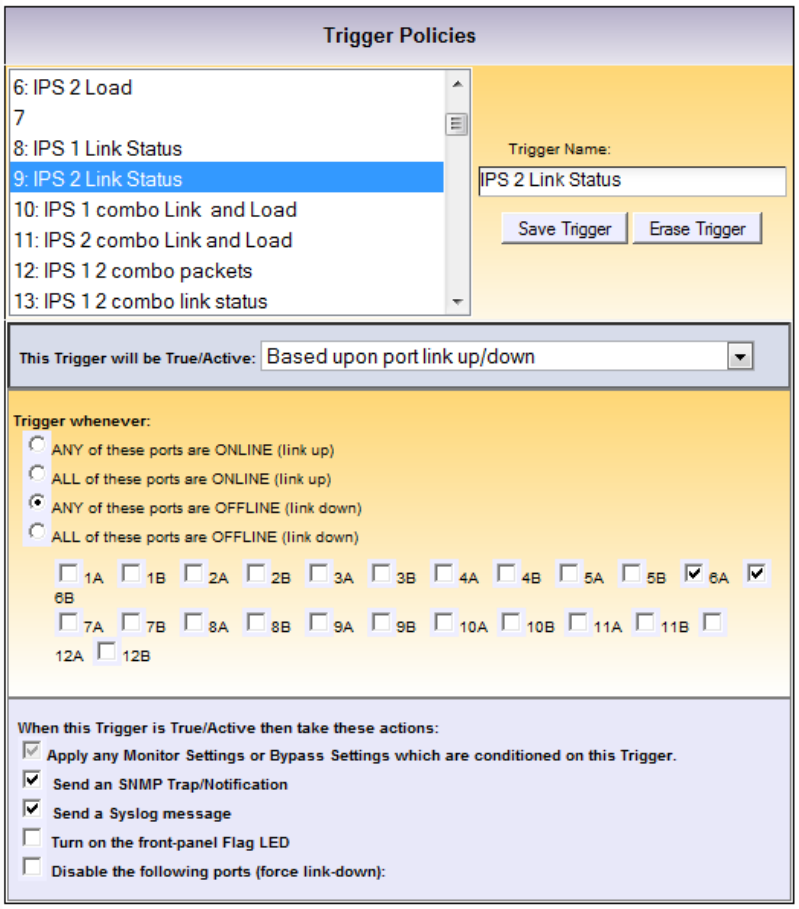
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



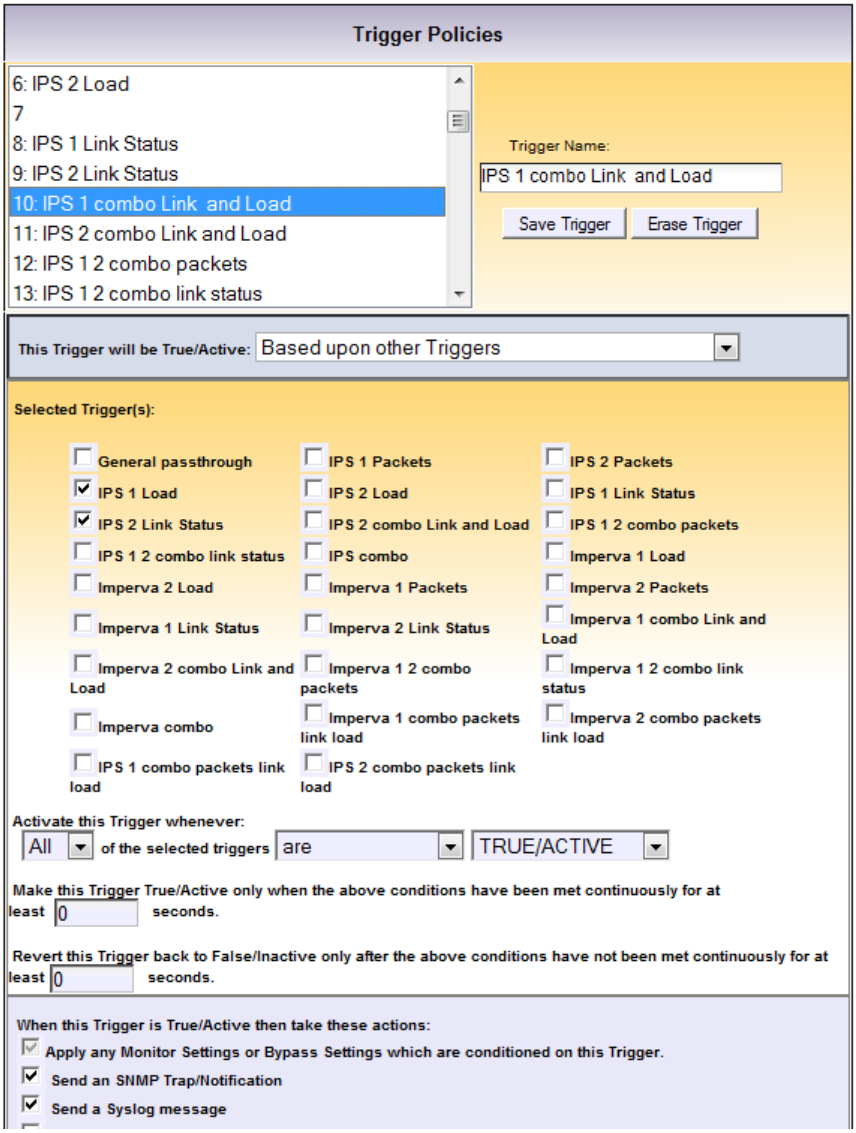
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



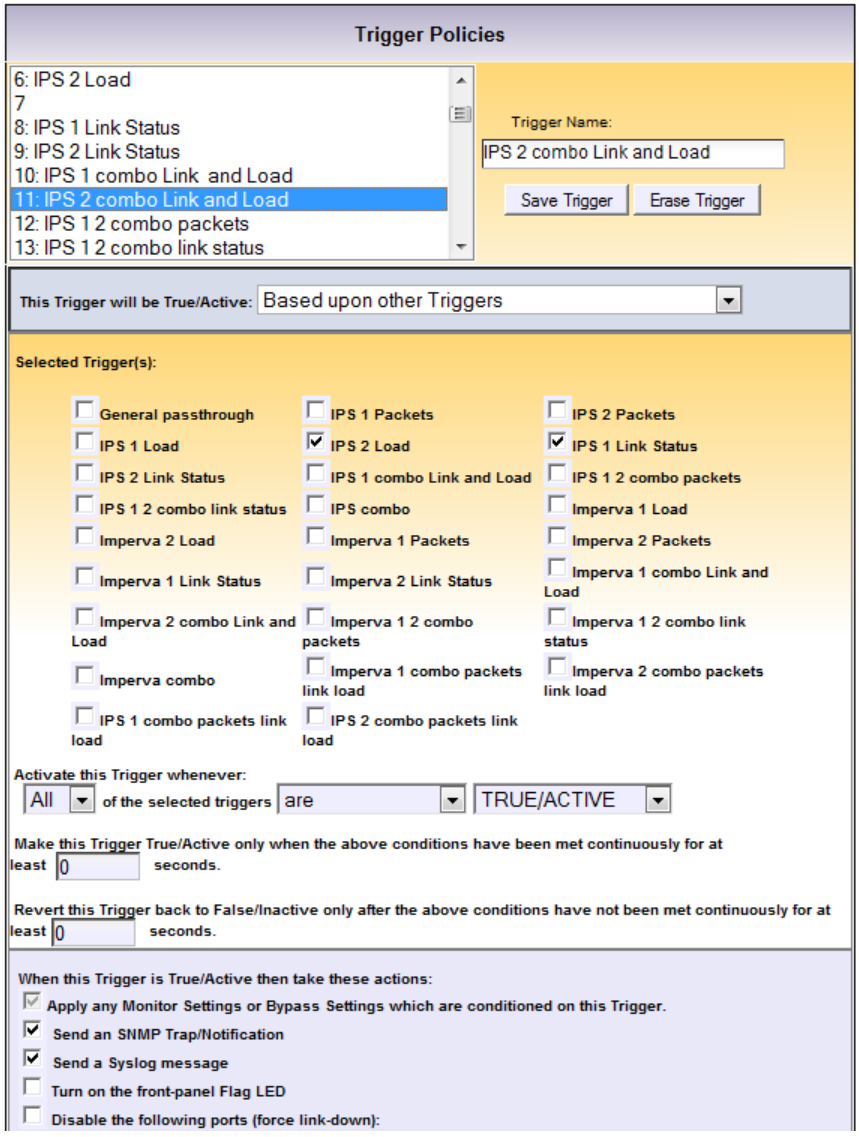
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



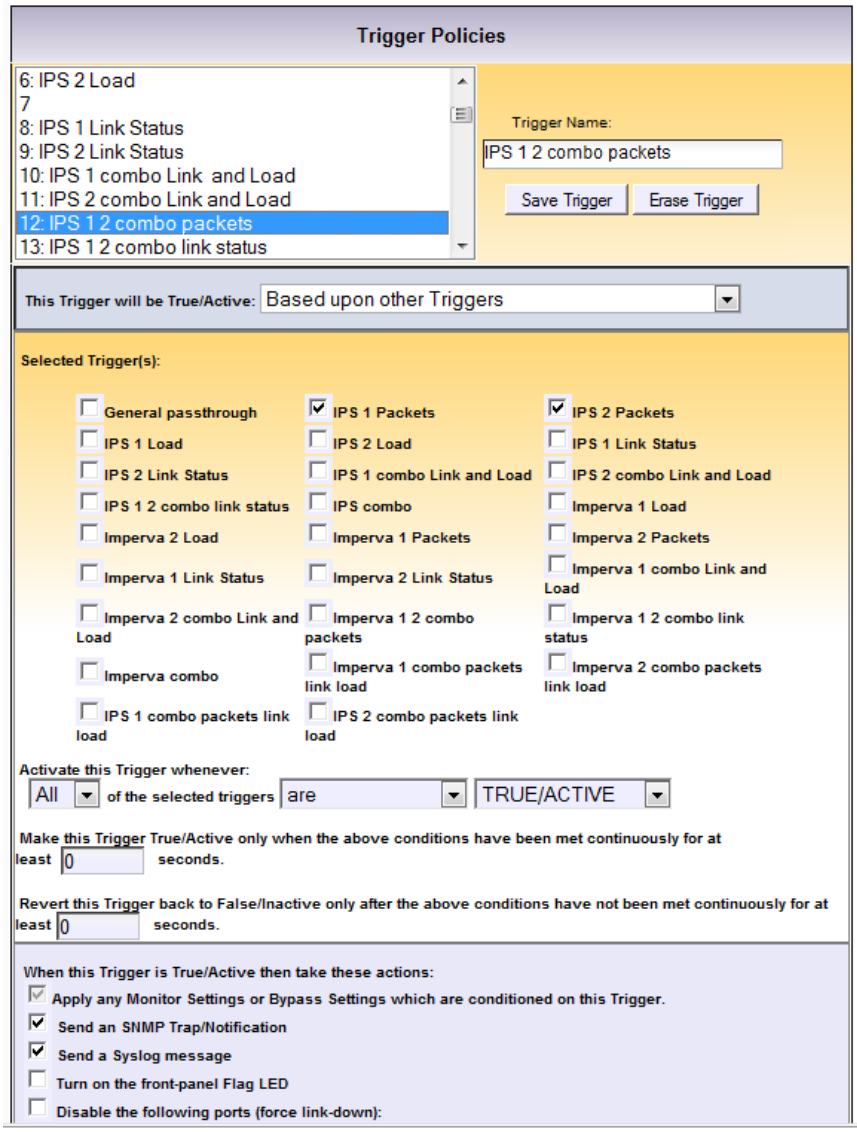
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

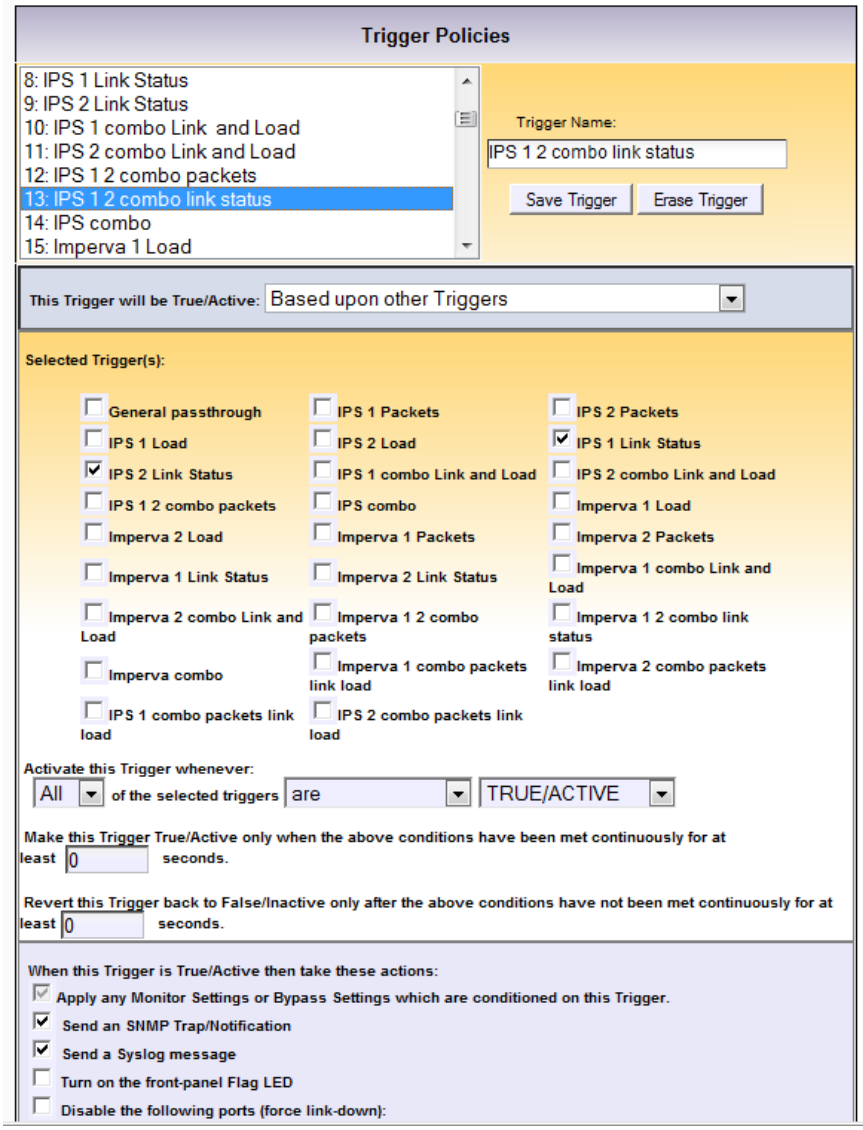


Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



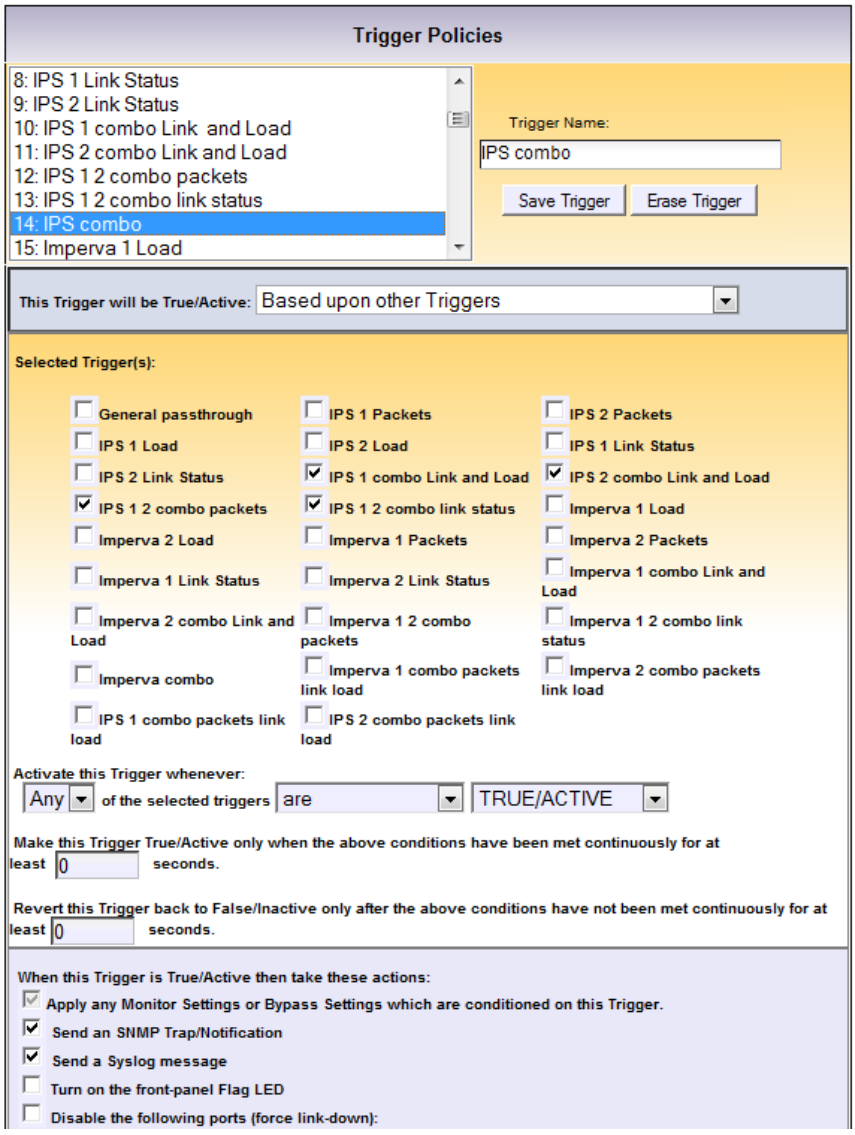
Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

Trigger Policies

15: Imperva 1 Load
16: Imperva 2 Load
17: Imperva 1 Packets
18: Imperva 2 Packets
19
20: Imperva 1 Link Status
21: Imperva 2 Link Status
22: Imperva 1 combo Link and Load

Trigger Name: Imperva 1 Load

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon port activity / bandwidth utilization

Trigger whenever:

Port bandwidth utilization **falls below** 0 % for 999 or more seconds.

-- OR --

Port bandwidth utilization **rises above** 100 % for 5 or more seconds.

☐ 1A ☐ 1B ☐ 2A ☐ 2B ☐ 3A ☐ 3B ☐ 4A ☐ 4B ☐ 5A ☐ 5B ☐ 6A ☐ 6B
☑ 7A ☑ 7B ☐ 8A ☐ 8B ☐ 9A ☐ 9B ☐ 10A ☐ 10B ☐ 11A ☐ 11B ☐ 12A ☐ 12B

When this Trigger is True/Active then take these actions:

- ☑ **Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.**
- ☑ **Send an SNMP Trap/Notification**
- ☑ **Send a Syslog message**
- ☐ **Turn on the front-panel Flag LED**
- ☐ **Disable the following ports (force link-down):**

Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

Trigger Policies

15: Imperva 1 Load
16: Imperva 2 Load
17: Imperva 1 Packets
18: Imperva 2 Packets
19
20: Imperva 1 Link Status
21: Imperva 2 Link Status
22: Imperva 1 combo Link and Load

Trigger Name: Imperva 2 Load

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon port activity / bandwidth utilization

Trigger whenever:

Port bandwidth utilization **falls below** 0 % for 999 or more seconds.

-- OR --

Port bandwidth utilization **rises above** 100 % for 5 or more seconds.

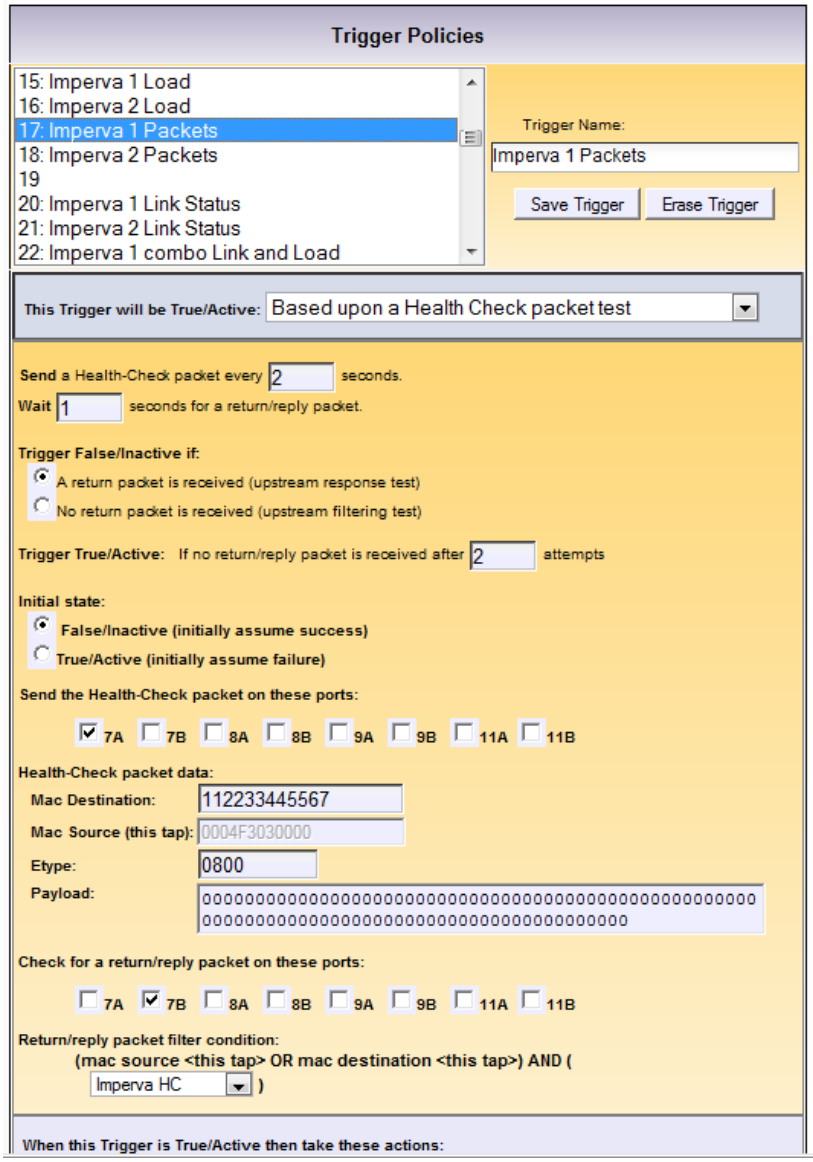
☐ 1A ☐ 1B ☐ 2A ☐ 2B ☐ 3A ☐ 3B ☐ 4A ☐ 4B ☐ 5A ☐ 5B ☐ 6A ☐ 6B
☐ 7A ☐ 7B ☑ 8A ☑ 8B ☐ 9A ☐ 9B ☐ 10A ☐ 10B ☐ 11A ☐ 11B ☐ 12A ☐ 12B

When this Trigger is True/Active then take these actions:

- ☑ **Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.**
- ☑ **Send an SNMP Trap/Notification**
- ☑ **Send a Syslog message**
- ☐ **Turn on the front-panel Flag LED**
- ☐ **Disable the following ports (force link-down):**

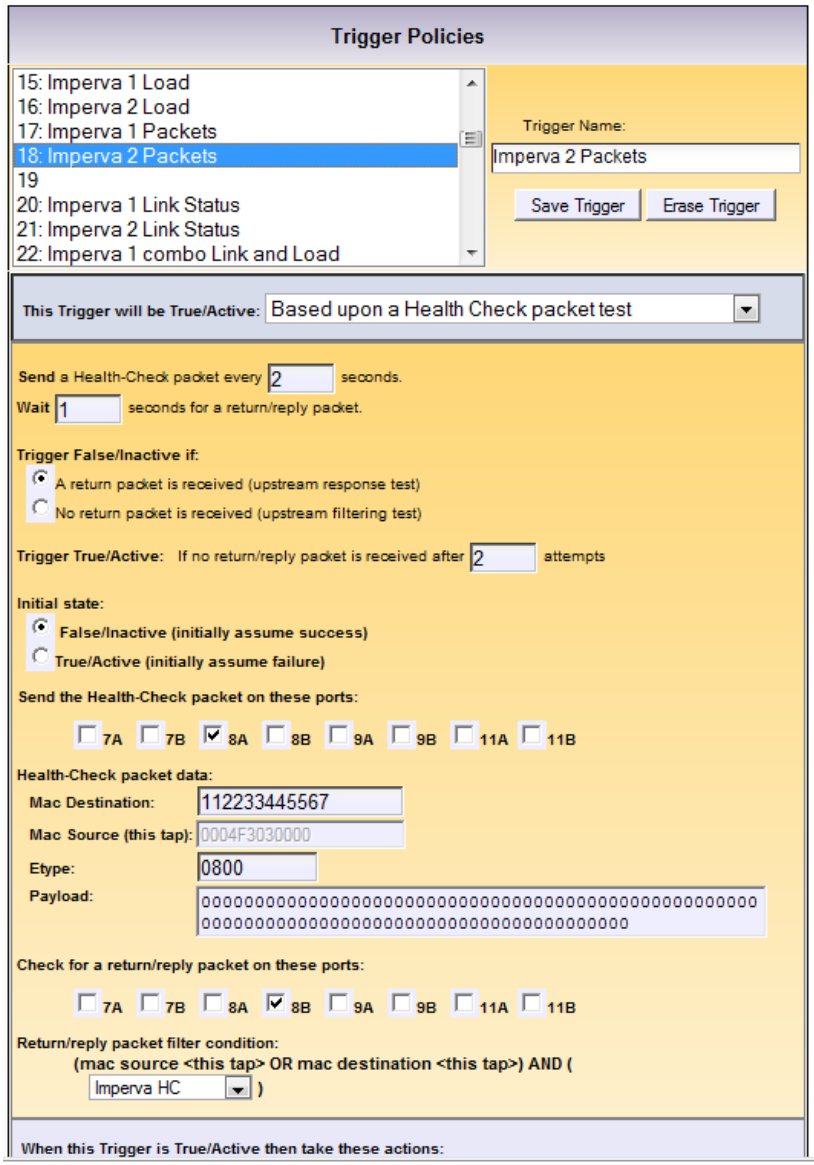
Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

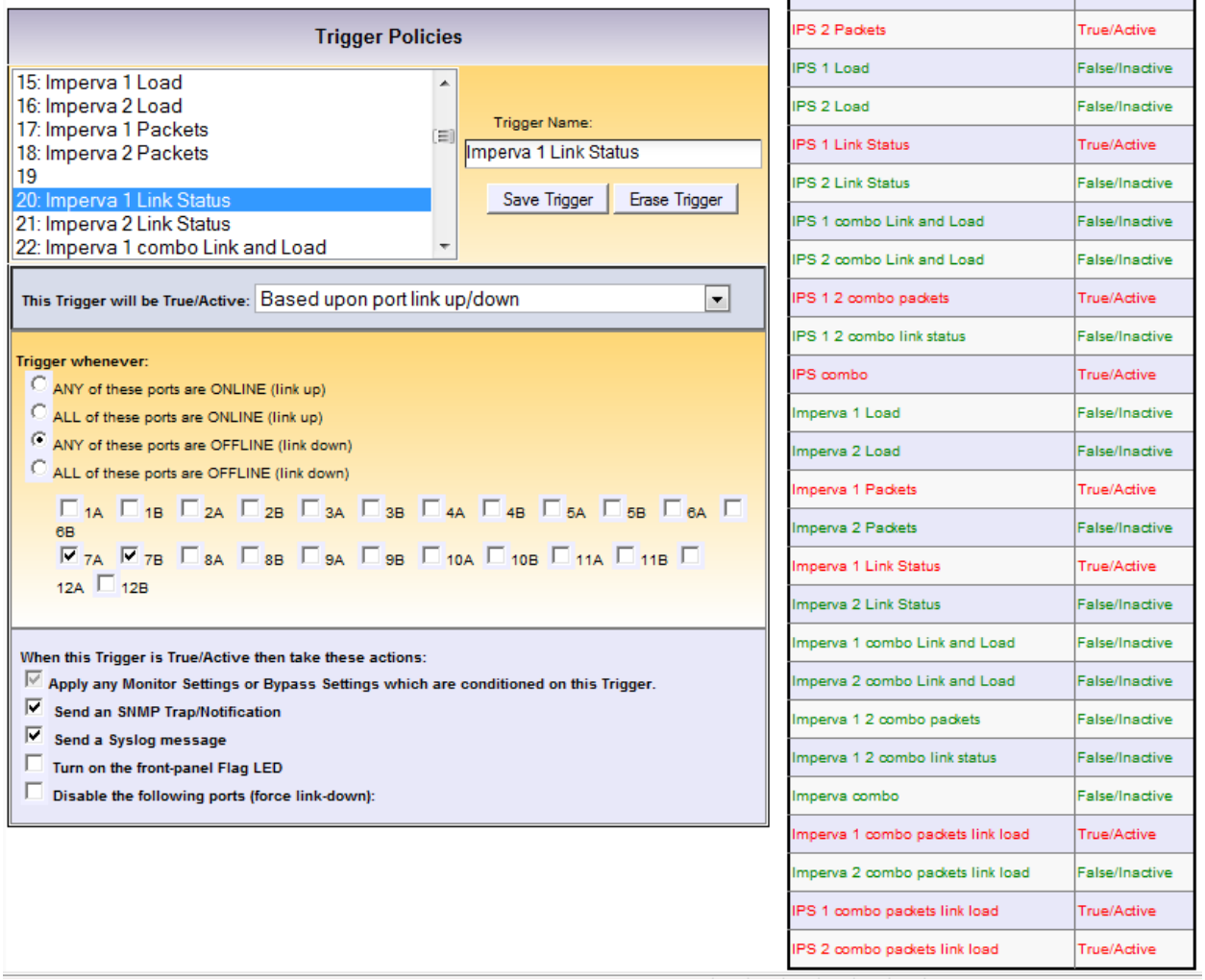


Current Trigger States

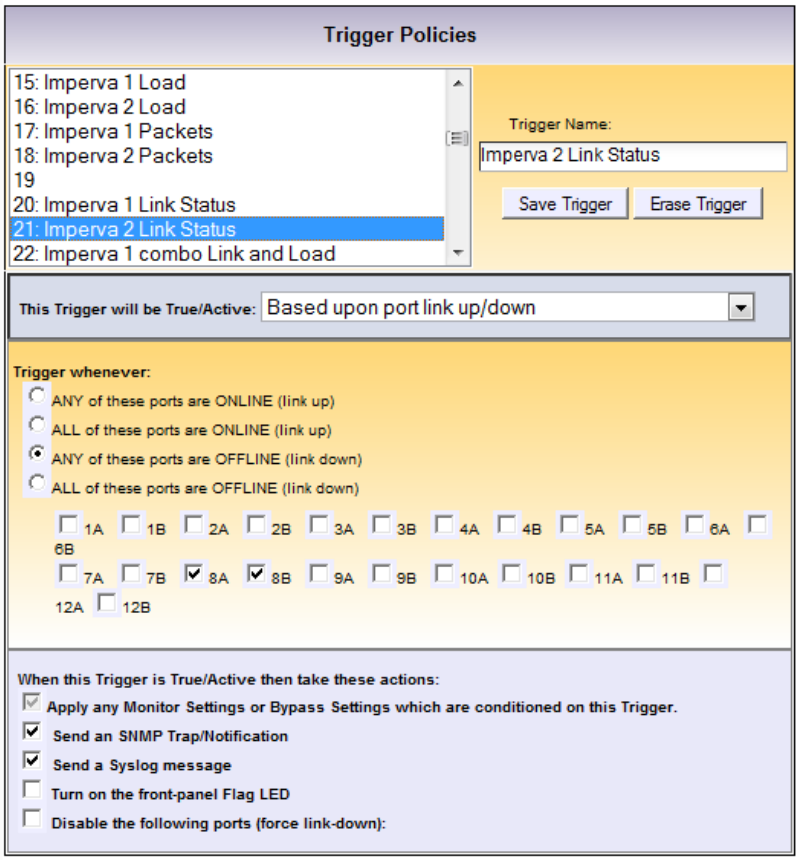
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



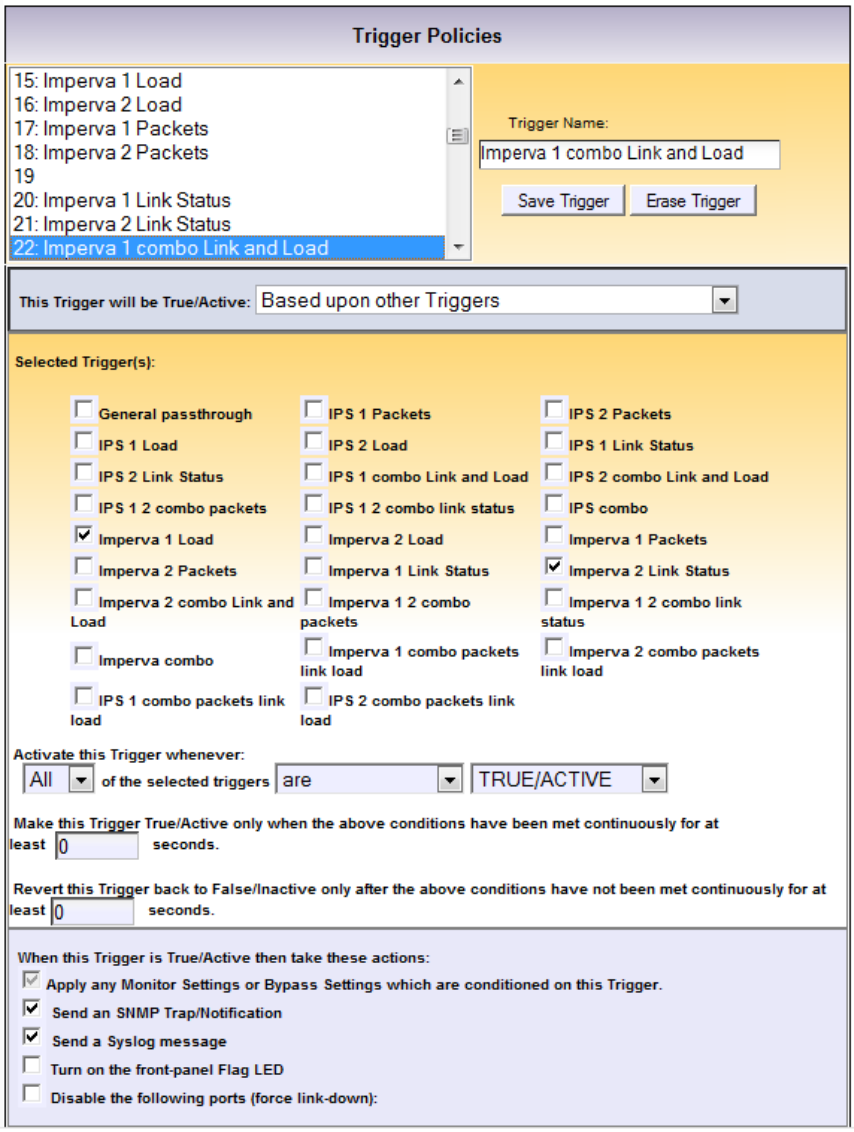
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



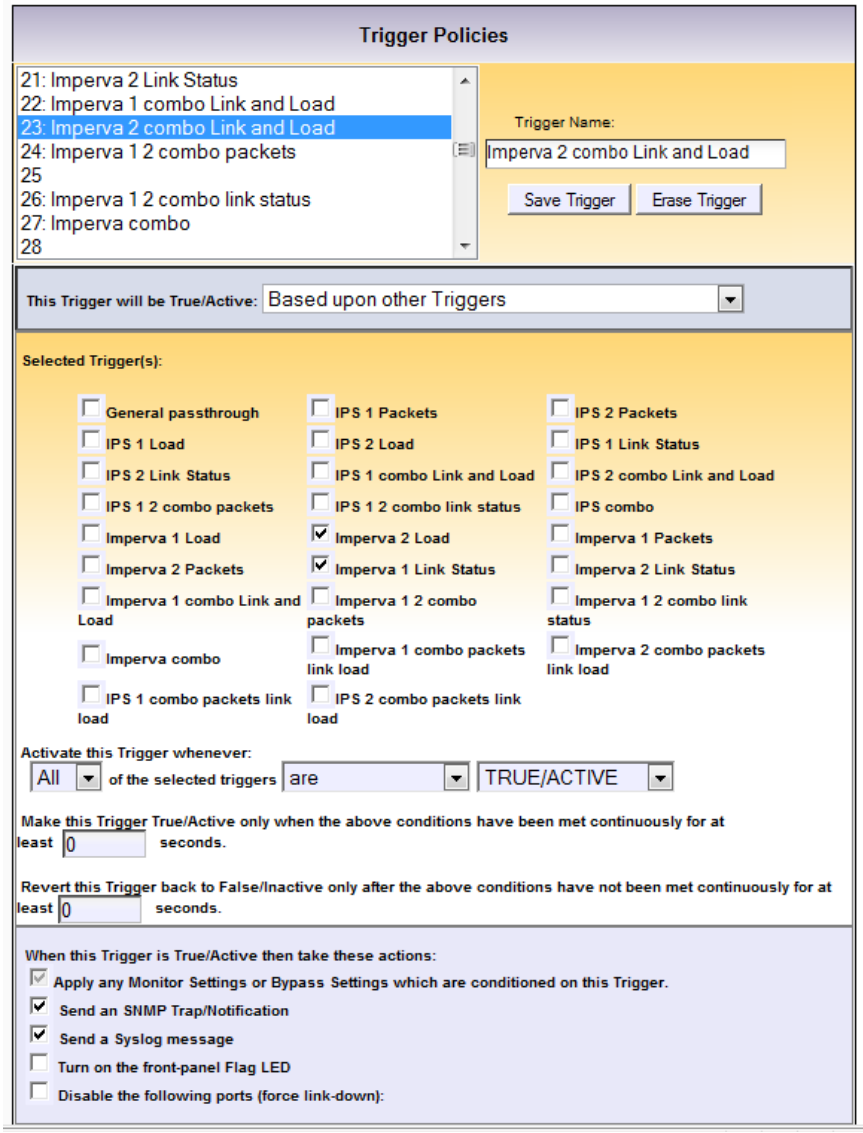
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

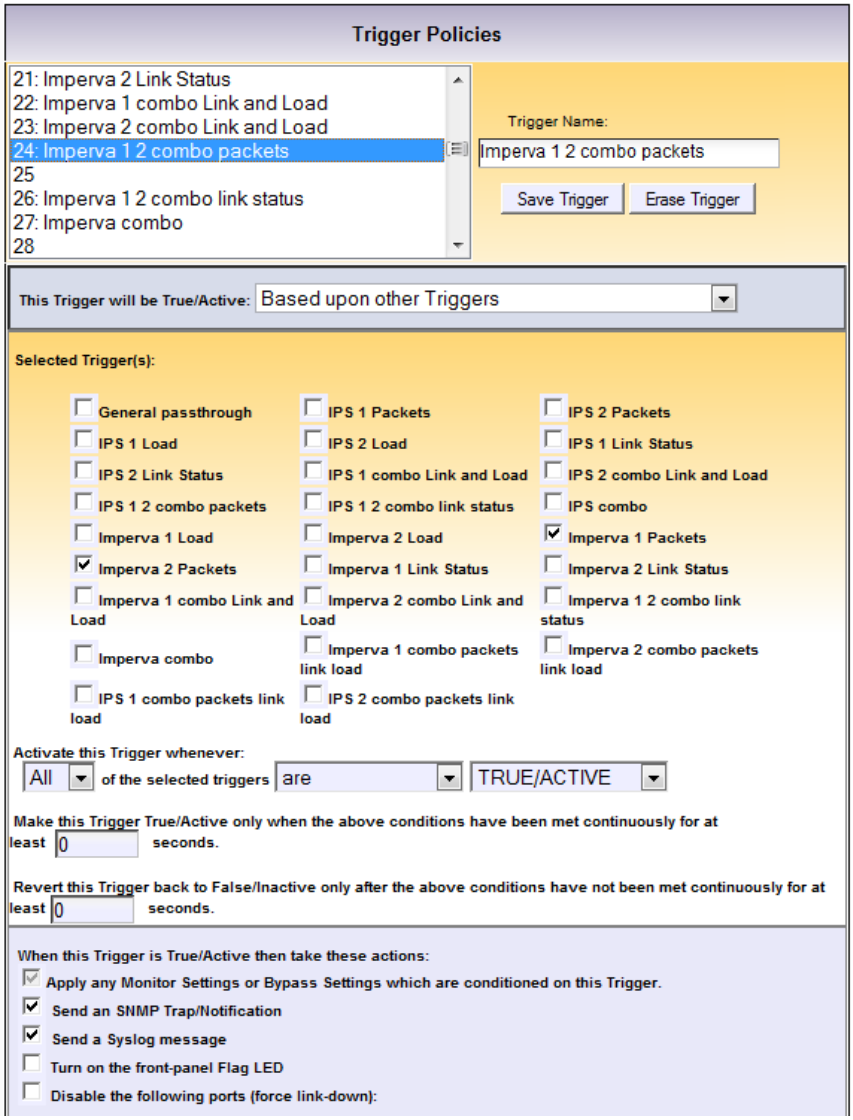


Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



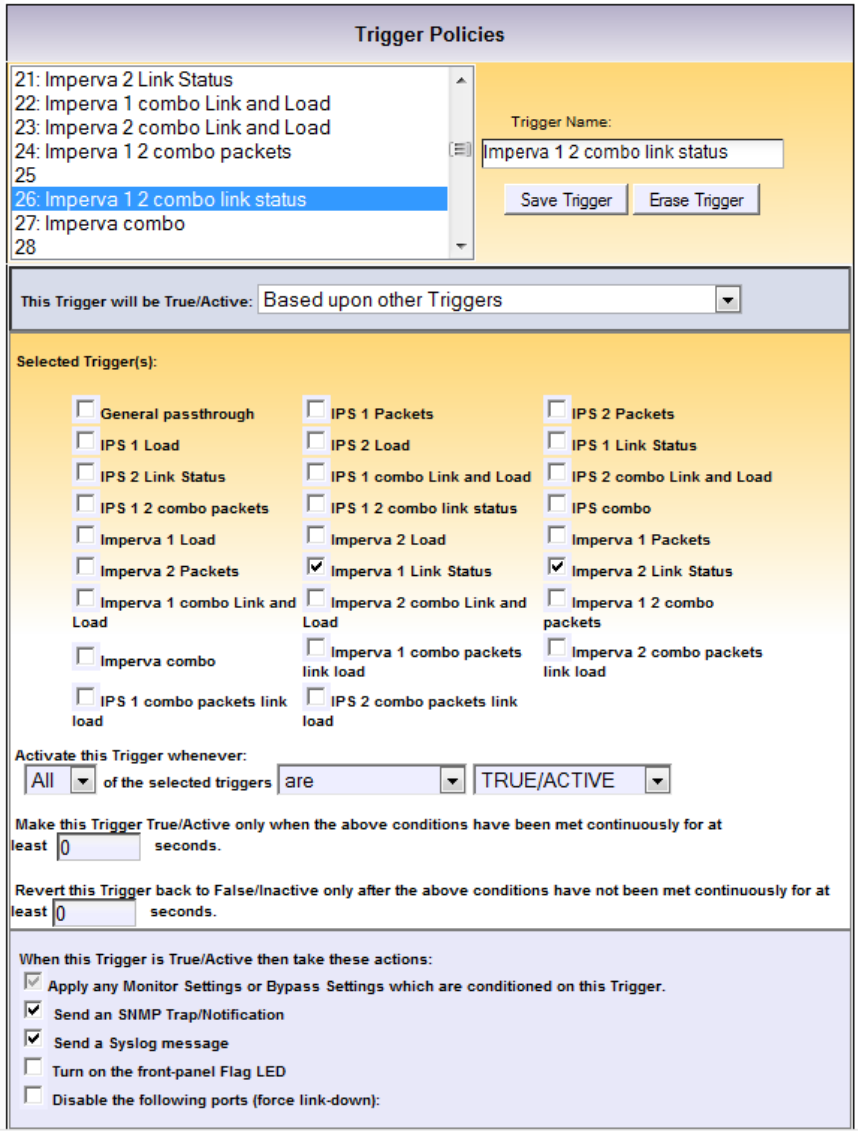
Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

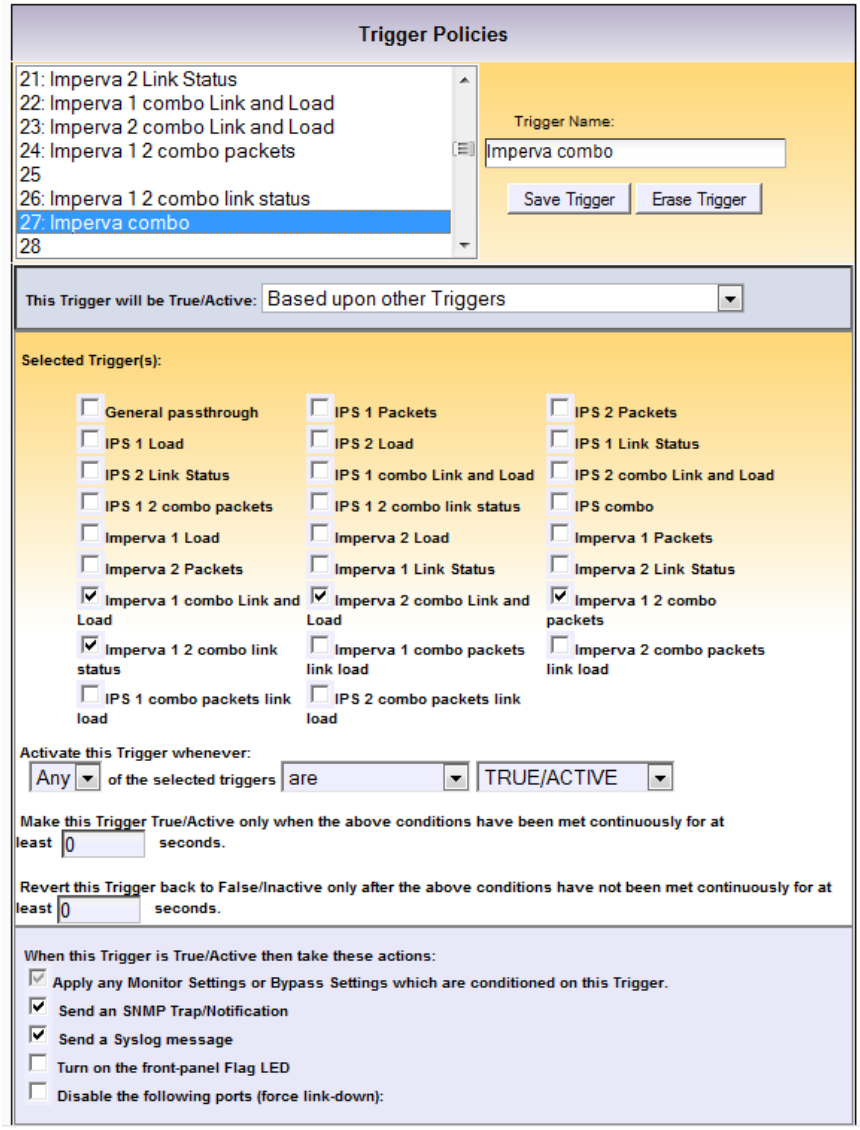


Current Trigger States

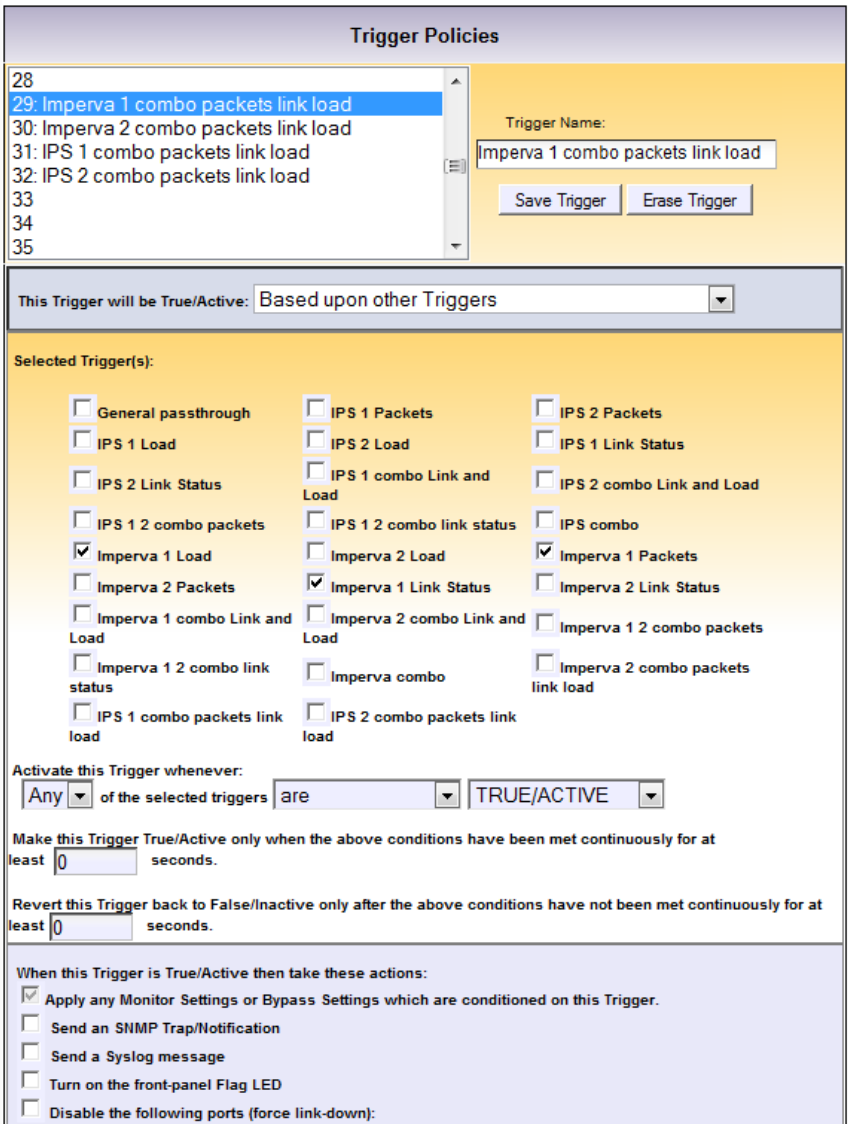
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



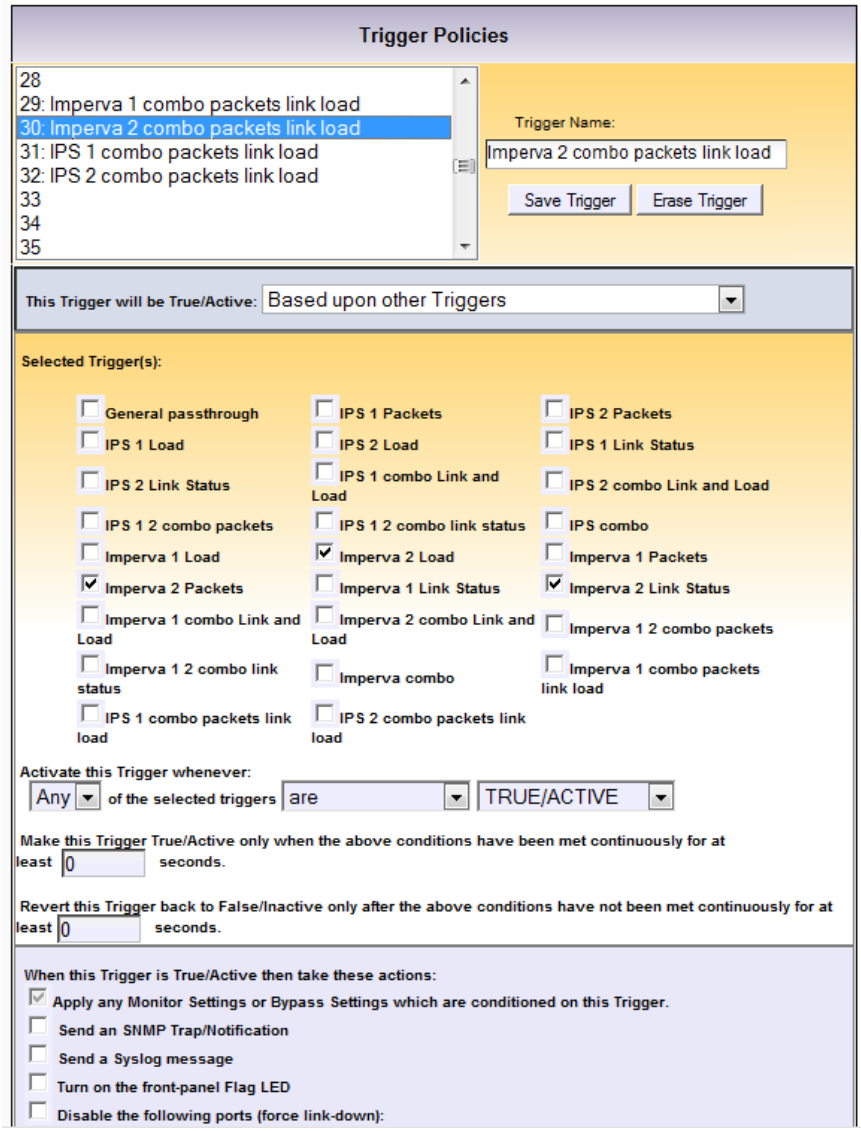
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

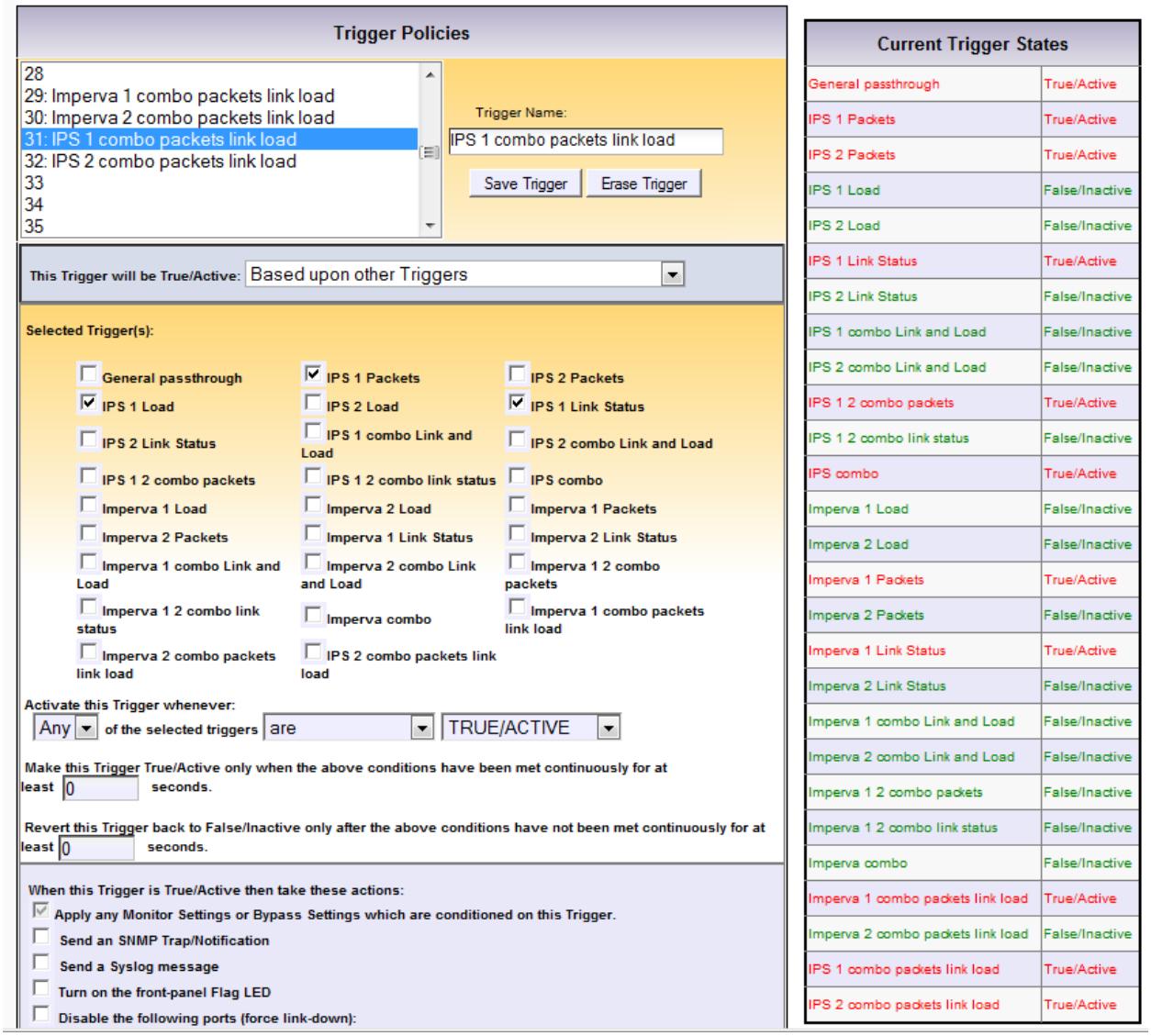


Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



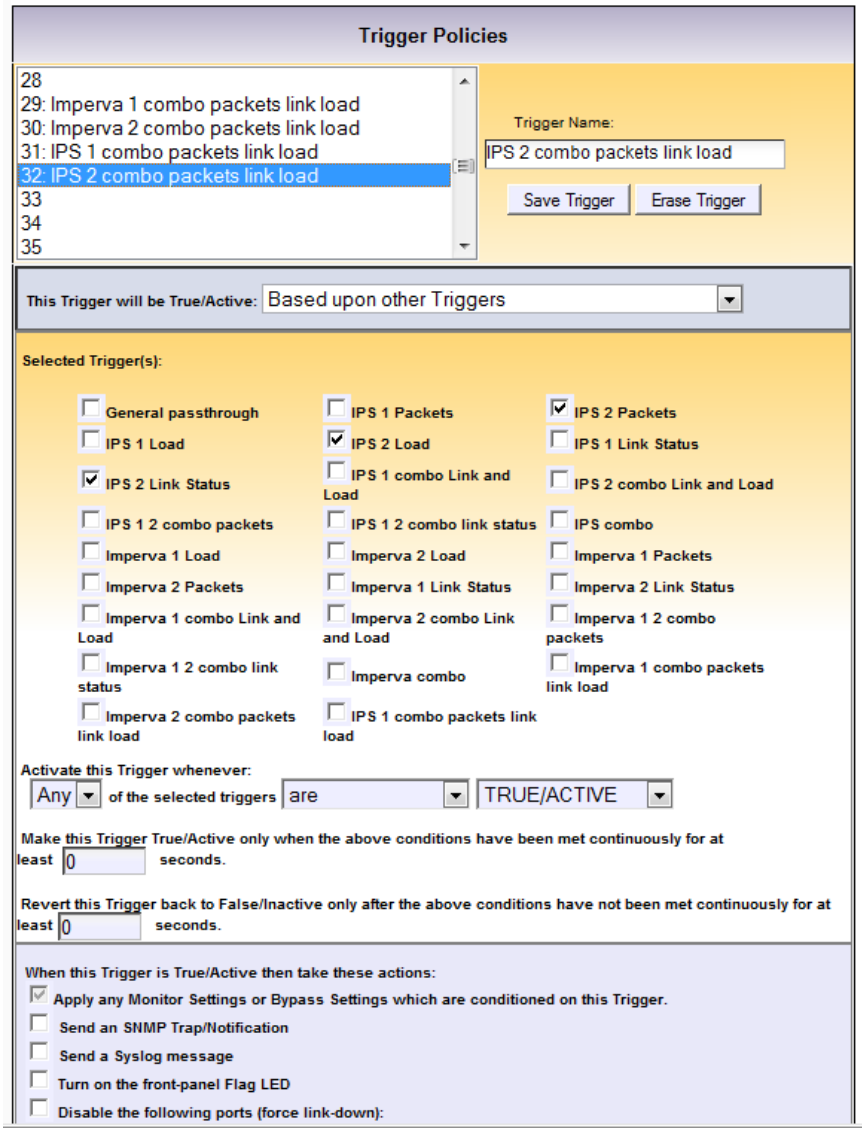
Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



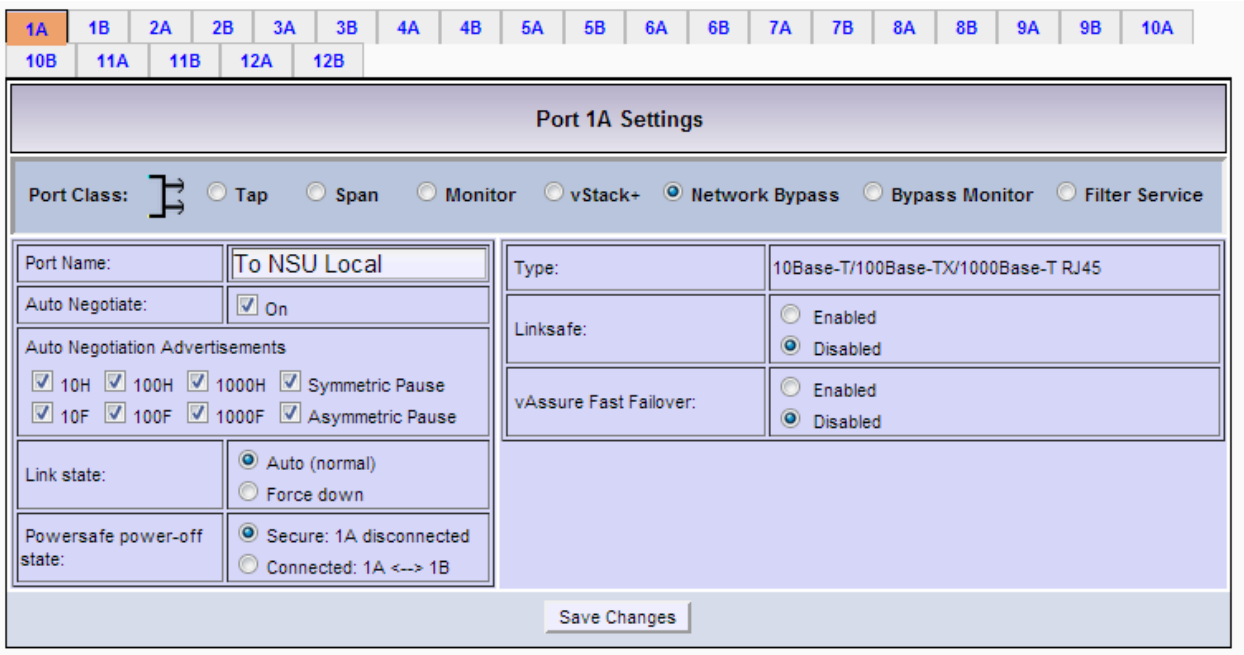
Current Trigger States

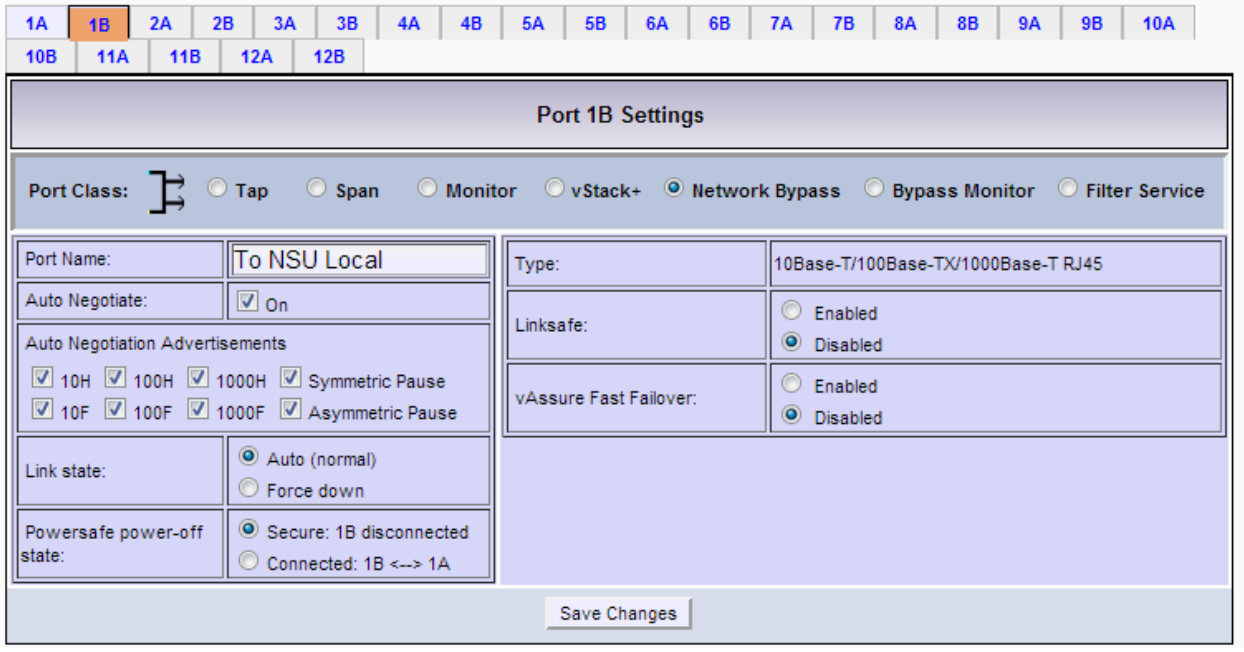
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

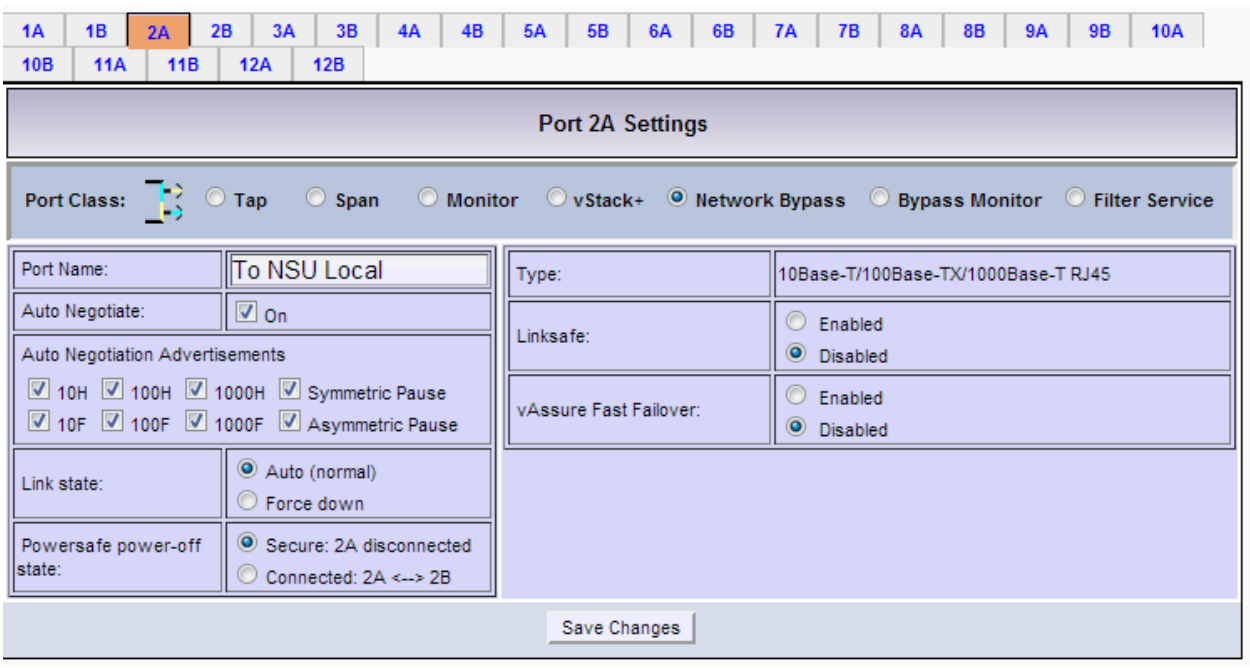
Chapter 8 Vodafone NSEC Office Net

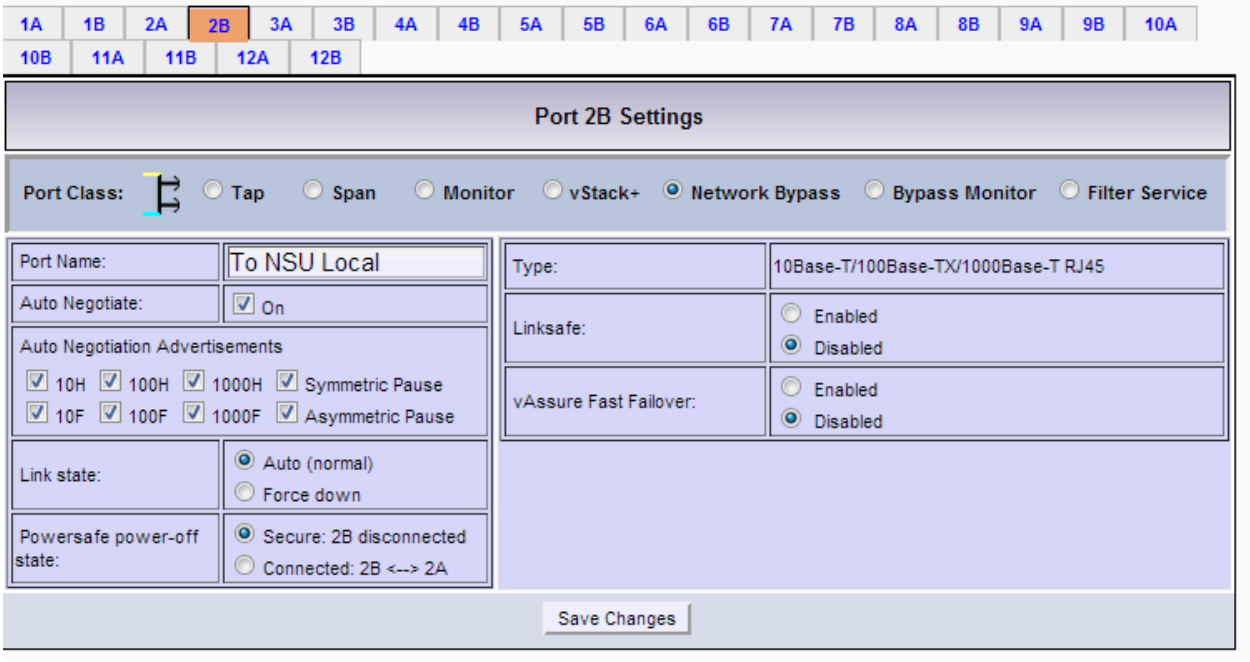
Port setup

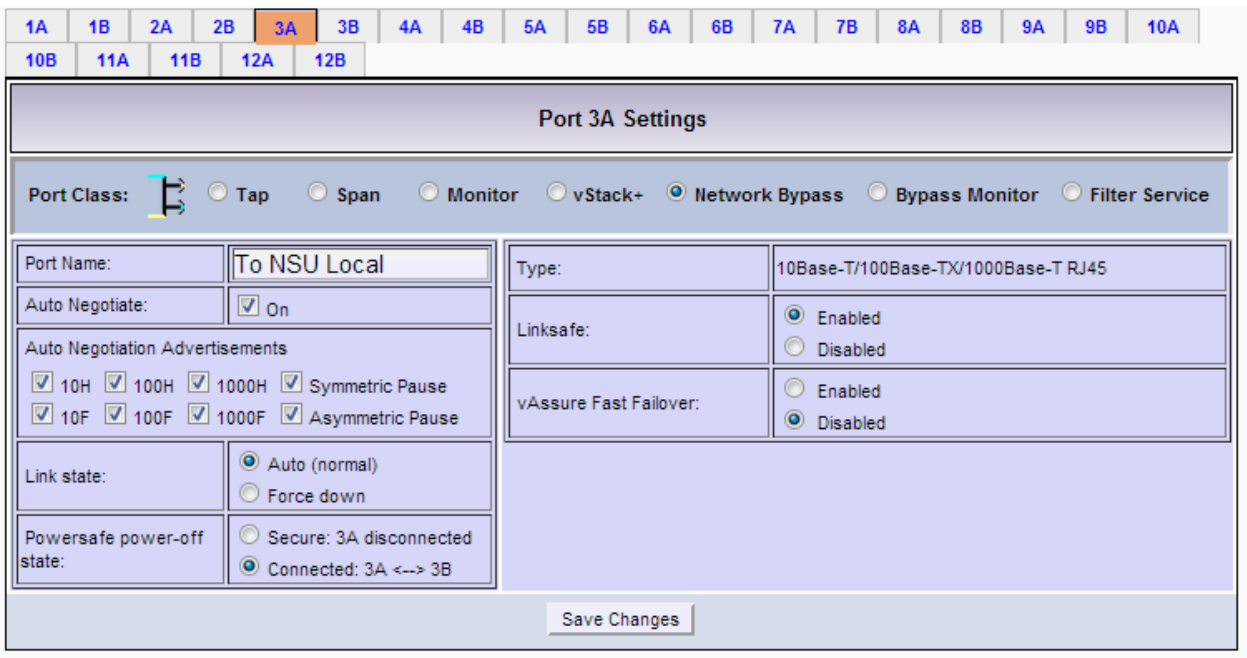
Port Status										
Port	Name	Link	Speed	Duplex	Negotiate	MDI	Class	Monitor	Status	Setup
1A	To NSU Local	Down	---	--	Auto	Auto	Network Bypass	To: 1B From: 1B	--	Setup
1B	To NSU Local	Up	1G	Full	Auto	Auto	Network Bypass	To: 1A From: 1A	OK	Setup
2A	To NSU Local	Up	1G	Full	Auto	Auto	Network Bypass	To: 2B From: 2B	OK	Setup
2B	To NSU Local	Up	1G	Full	Auto	Auto	Network Bypass	To: 2A From: 2A	OK	Setup
3A	To NSU Local	Down	---	--	Auto	Auto	Network Bypass	To: 3B From: 3B	LinkSafe Enabled	Setup
3B	To NSU Local	Down	---	--	Auto	Auto	Network Bypass	To: 3A From: 3A	LinkSafe Enabled	Setup
4A	To NSU Local	Up	1G	Full	Auto	Auto	Network Bypass	To: 4B From: 4B	LinkSafe OK	Setup
4B	To NSU Local	Up	1G	Full	Auto	Auto	Network Bypass	To: 4A From: 4A	LinkSafe OK	Setup
5A	IPS1	Down	---	--	Auto	Auto	Network Bypass		LinkSafe Enabled	Setup
5B	IPS1	Down	---	--	Auto	Auto	Network Bypass		LinkSafe Enabled	Setup
6A	IPS2	Up	1G	Full	Auto	Auto	Network Bypass		LinkSafe OK	Setup
6B	IPS2	Up	1G	Full	Auto	Auto	Network Bypass		LinkSafe OK	Setup
7A	Imperva 1	Down	---	--	Auto	Auto	Bypass Monitor		--	Setup
7B	Imperva 1	Down	---	--	Auto	Auto	Bypass Monitor		--	Setup
8A	Imperva 2	Up	1G	Full	Auto	Auto	Bypass Monitor		OK	Setup
8B	Imperva 2	Up	1G	Full	Auto	Auto	Bypass Monitor		OK	Setup
9A		Down	---	--	--	--	Bypass Monitor		--	Setup
9B		Down	---	--	--	--	Bypass Monitor		--	Setup
10A		Down	---	--	--	--	Tap		--	Setup
10B		Down	---	--	--	--	Tap		--	Setup
11A		Down	---	--	--	--	Bypass Monitor		--	Setup
11B		Down	---	--	--	--	Bypass Monitor		--	Setup
12A		Down	---	--	--	--	Network Bypass		--	Setup
12B	Wireshark	Down	---	--	--	--	Network Bypass		--	Setup

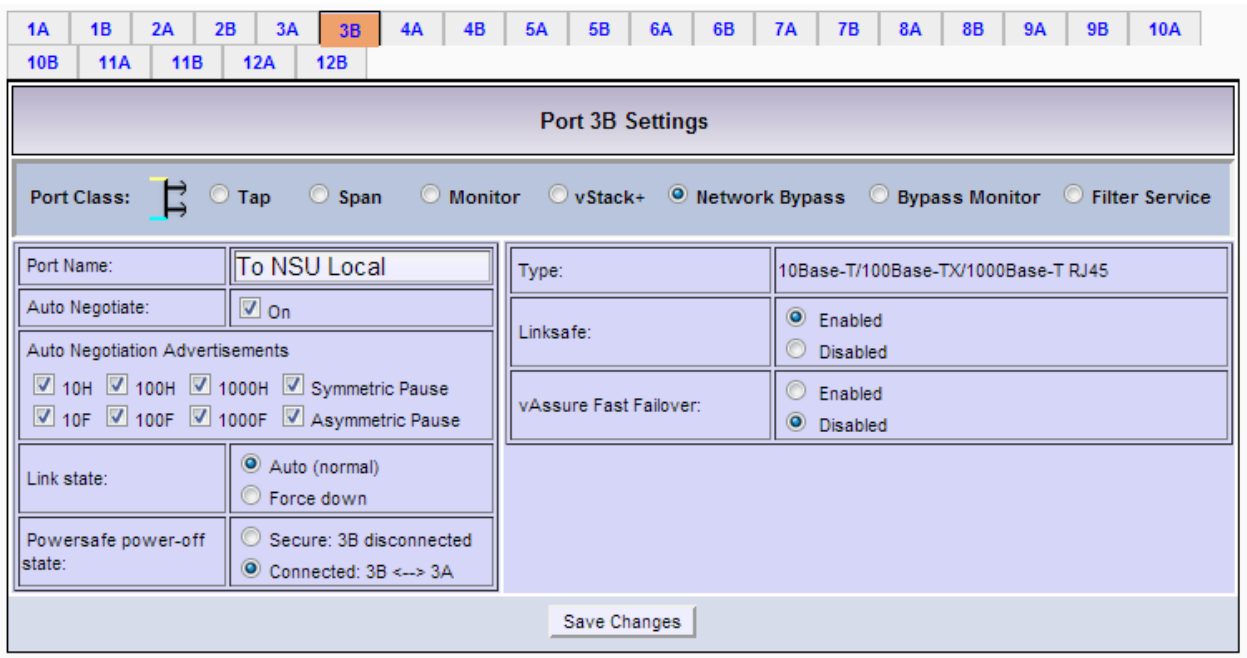

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 1A Settings
Port Class:
Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 1A disconnected Connected: 1A <--> 1B
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

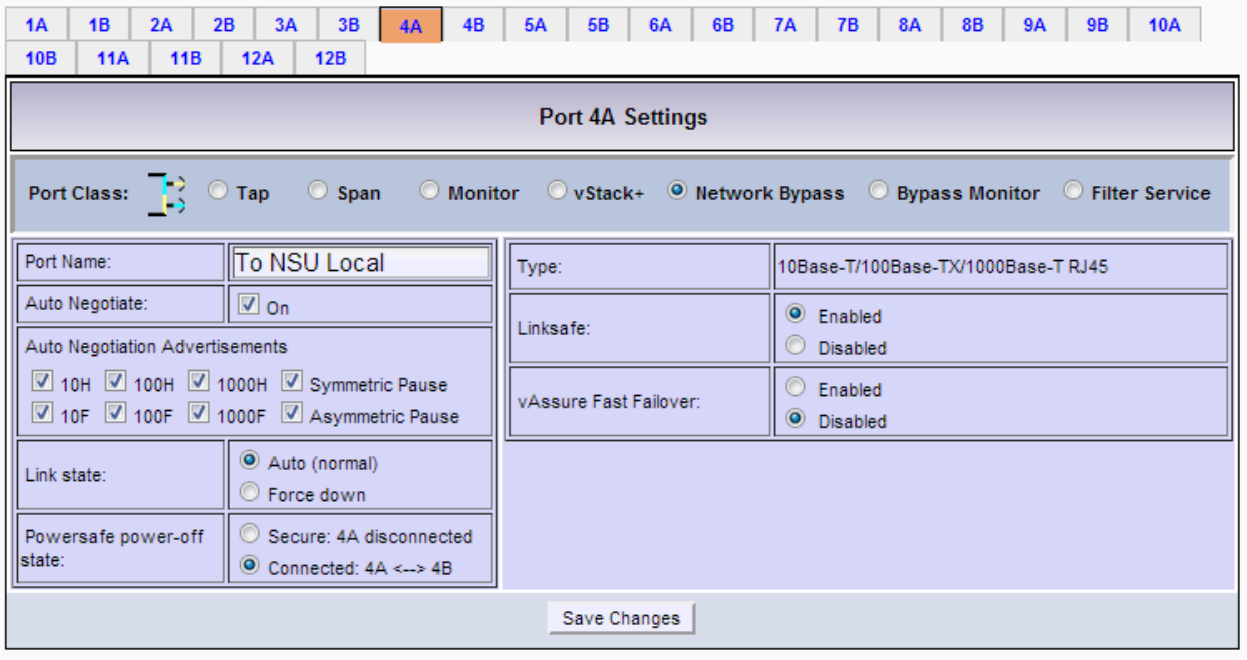

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 1B Settings
Port Class:
Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 1B disconnected Connected: 1B <--> 1A
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

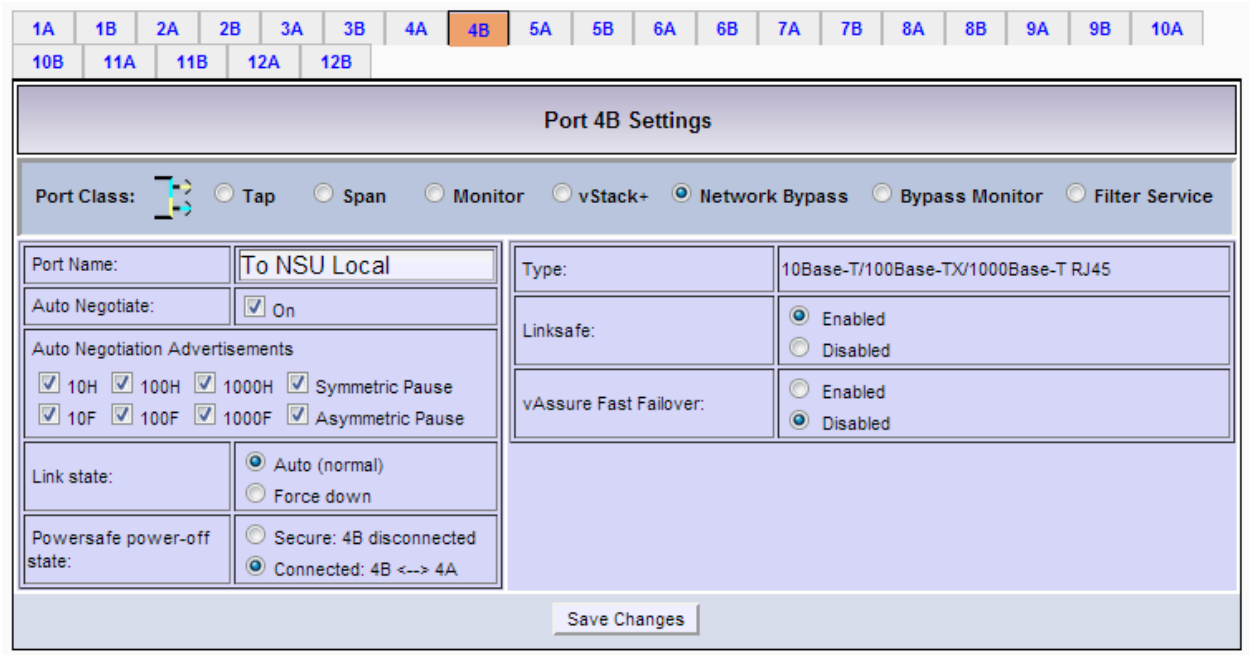

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 2A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 2A disconnected Connected: 2A <--> 2B
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

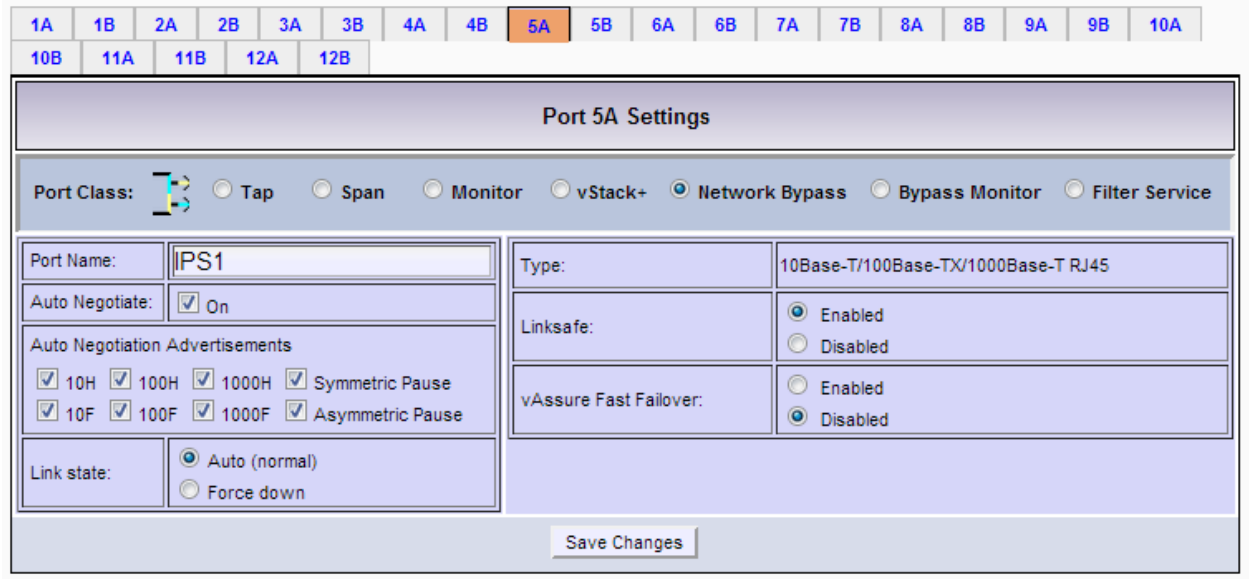

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 2B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 2B disconnected Connected: 2B <--> 2A
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

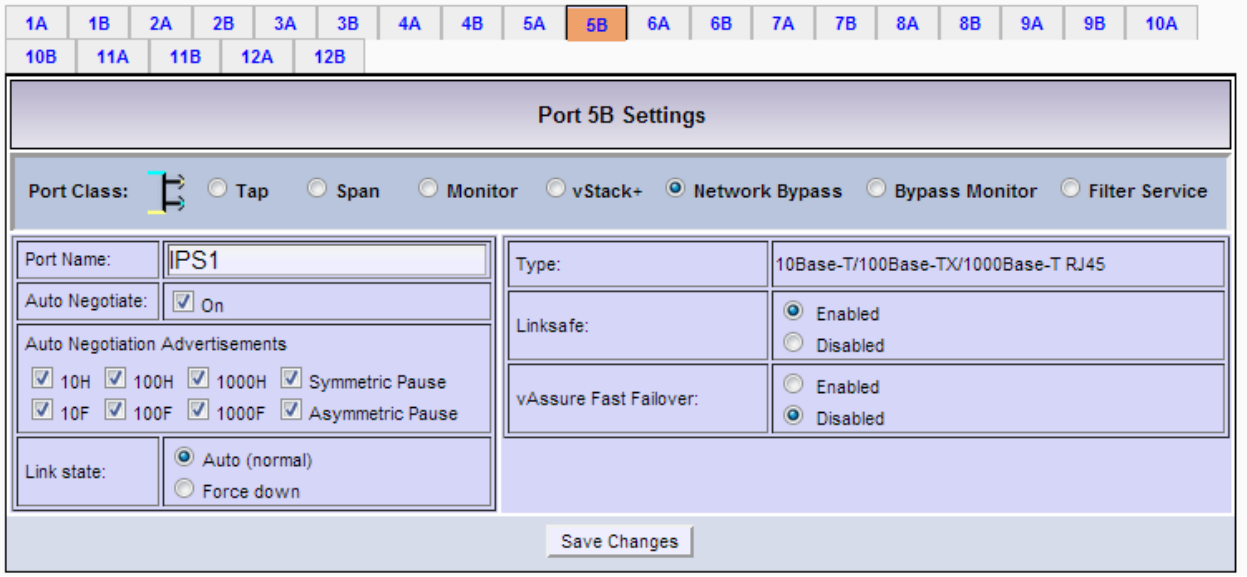

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 3A Settings
Port Class:
Tap
Span
Monitor
vStack+
Network Bypass
Bypass Monitor
Filter Service
Port Name:
To NSU Local
Auto Negotiate:
On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state:
Auto (normal)
Force down
Powersafe power-off state:
Secure: 3A disconnected
Connected: 3A <--> 3B
Type:
10Base-T/100Base-TX/1000Base-T RJ45
Linksafe:
Enabled
Disabled
vAssure Fast Failover:
Enabled
Disabled
Save Changes

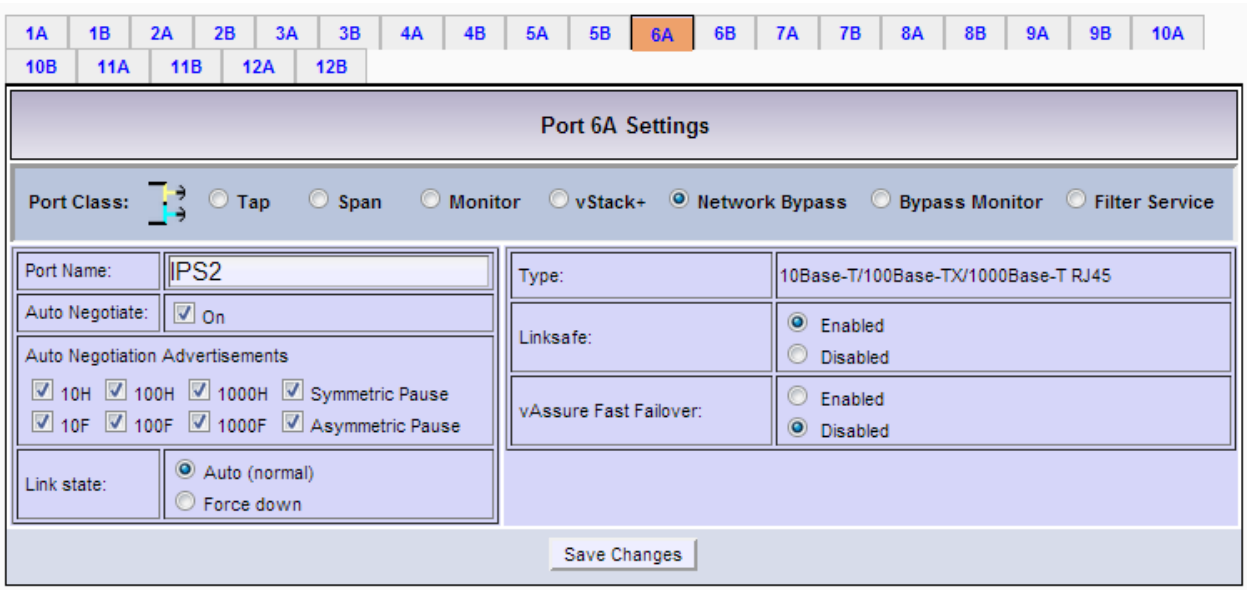

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 3B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 3B disconnected Connected: 3B <--> 3A
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

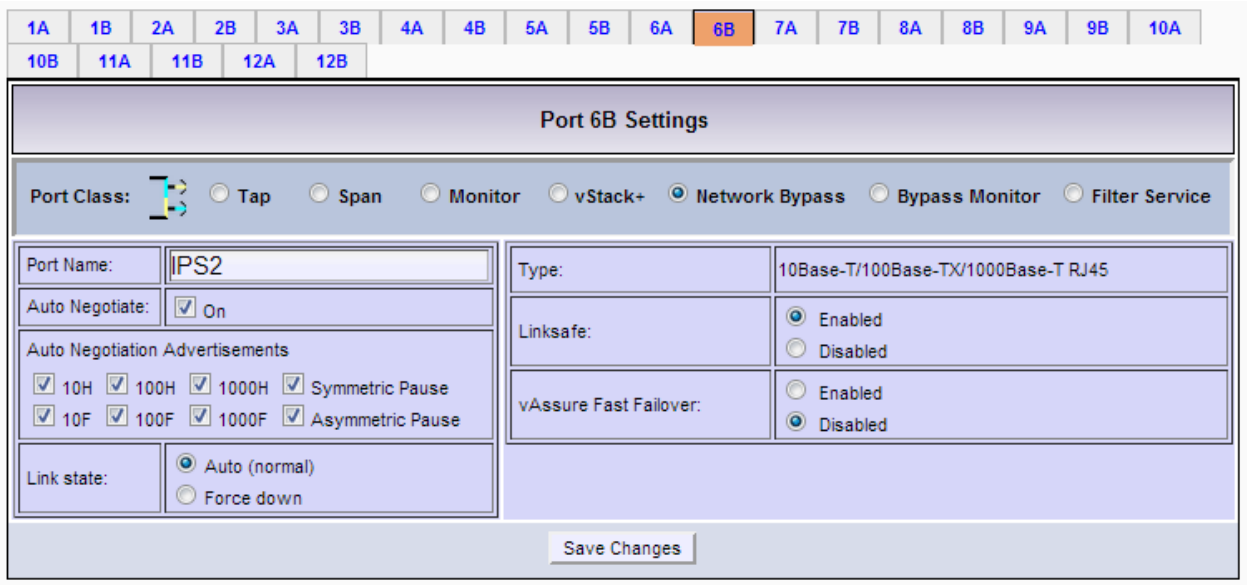

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 4A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 4A disconnected Connected: 4A <--> 4B
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

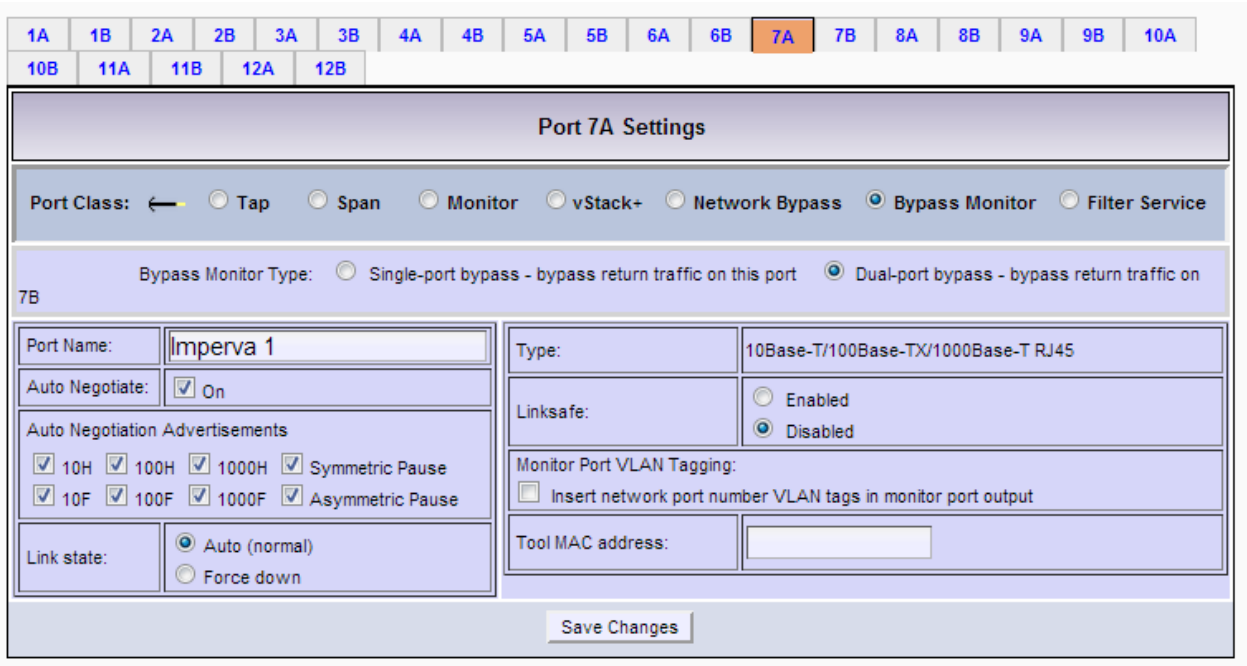

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 4B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: To NSU Local
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Powersafe power-off state: Secure: 4B disconnected Connected: 4B <--> 4A
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

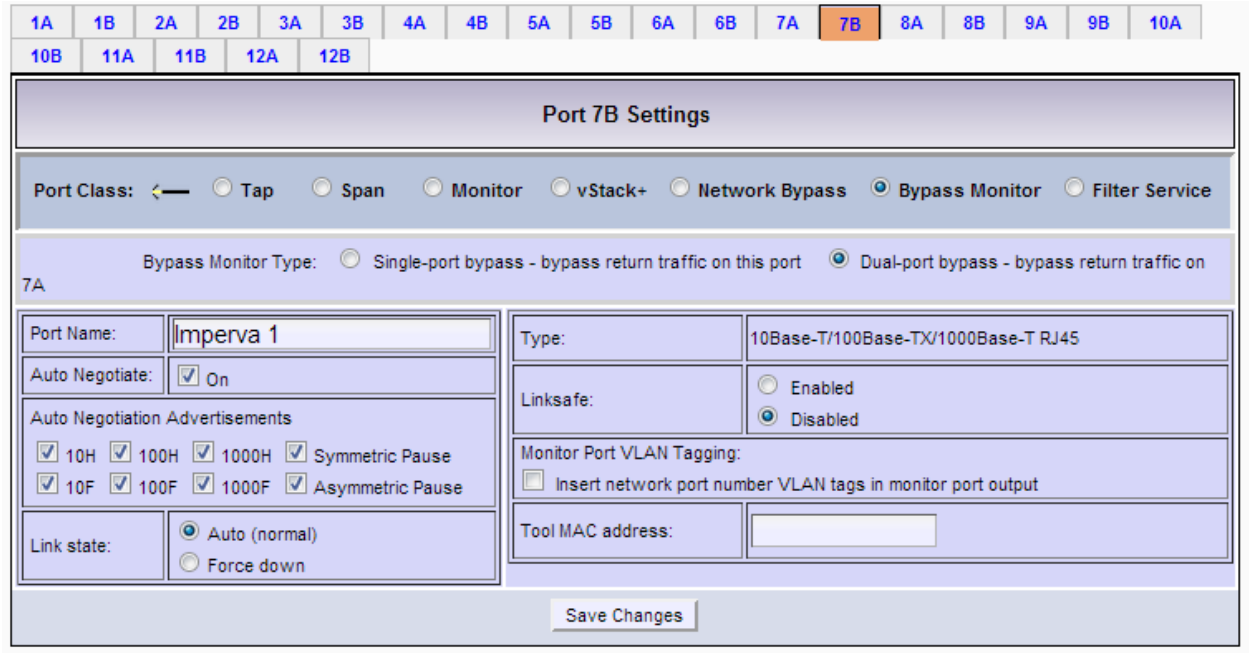

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 5A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: IPS1
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

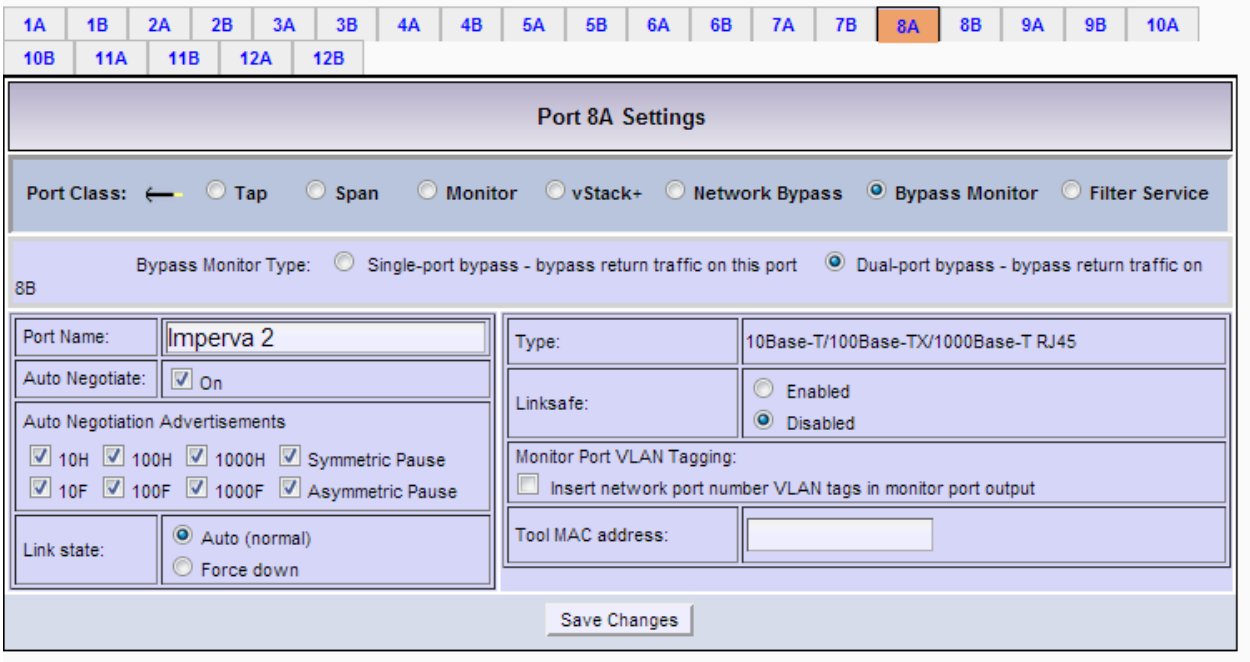

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 5B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: IPS1
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

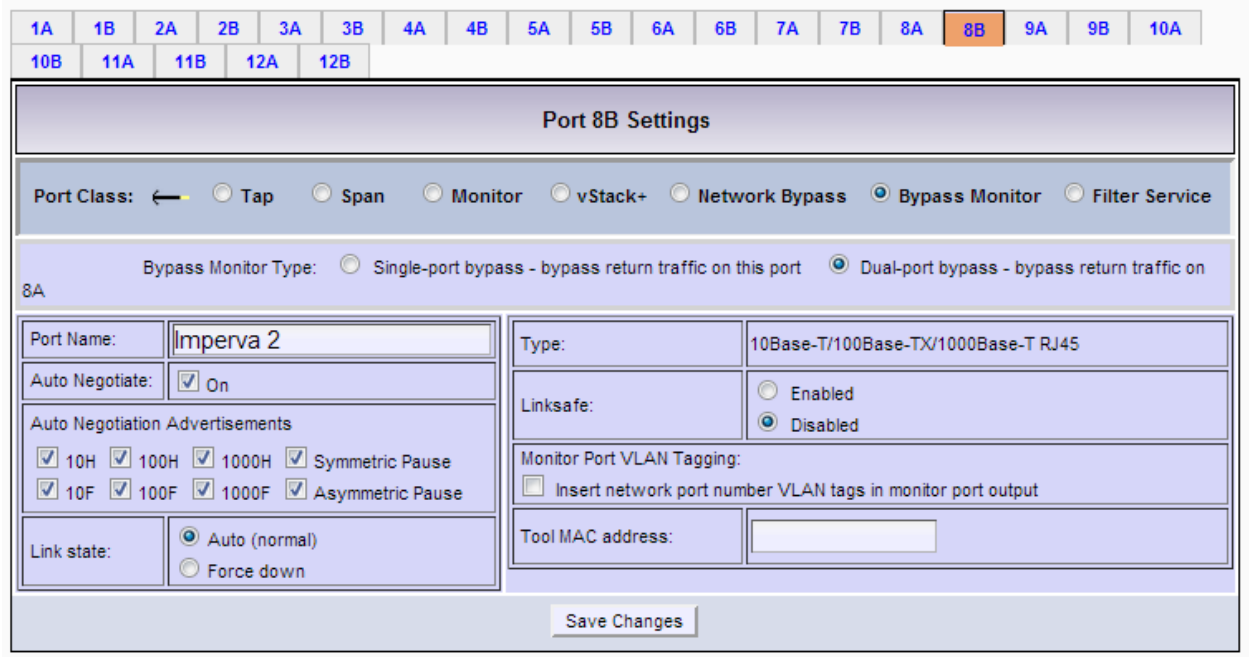

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 6A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: IPS2
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

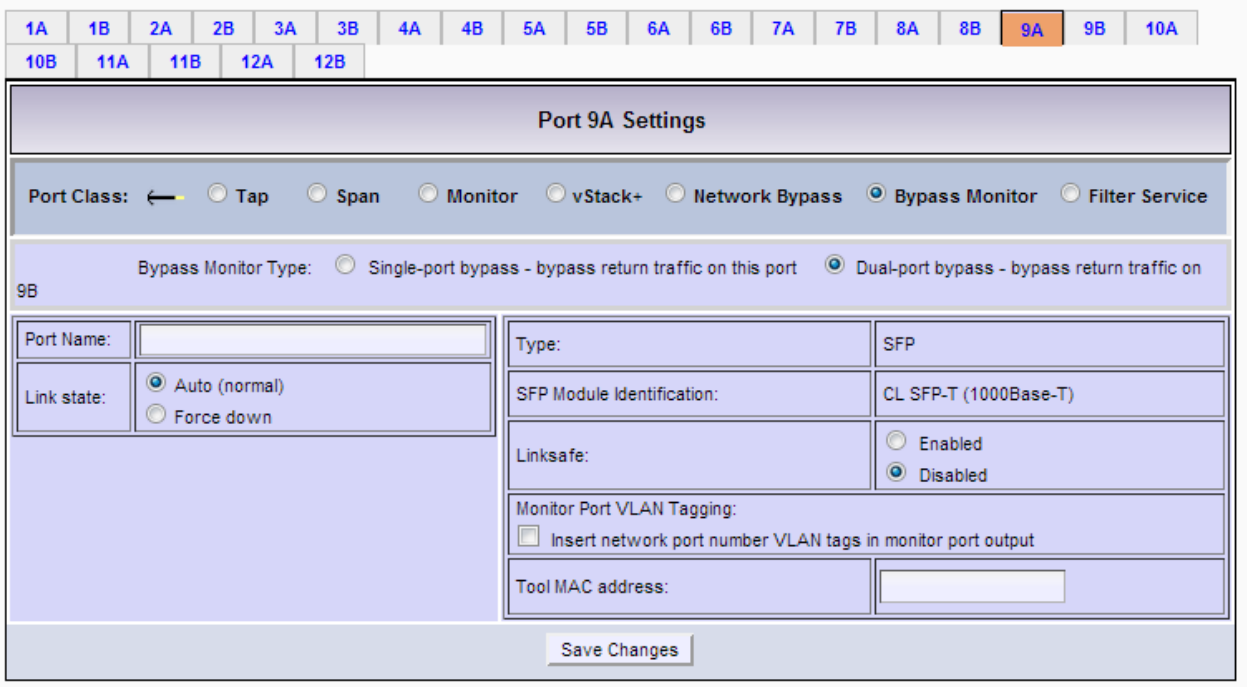

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 6B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name: IPS2
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
vAssure Fast Failover: Enabled Disabled
Save Changes

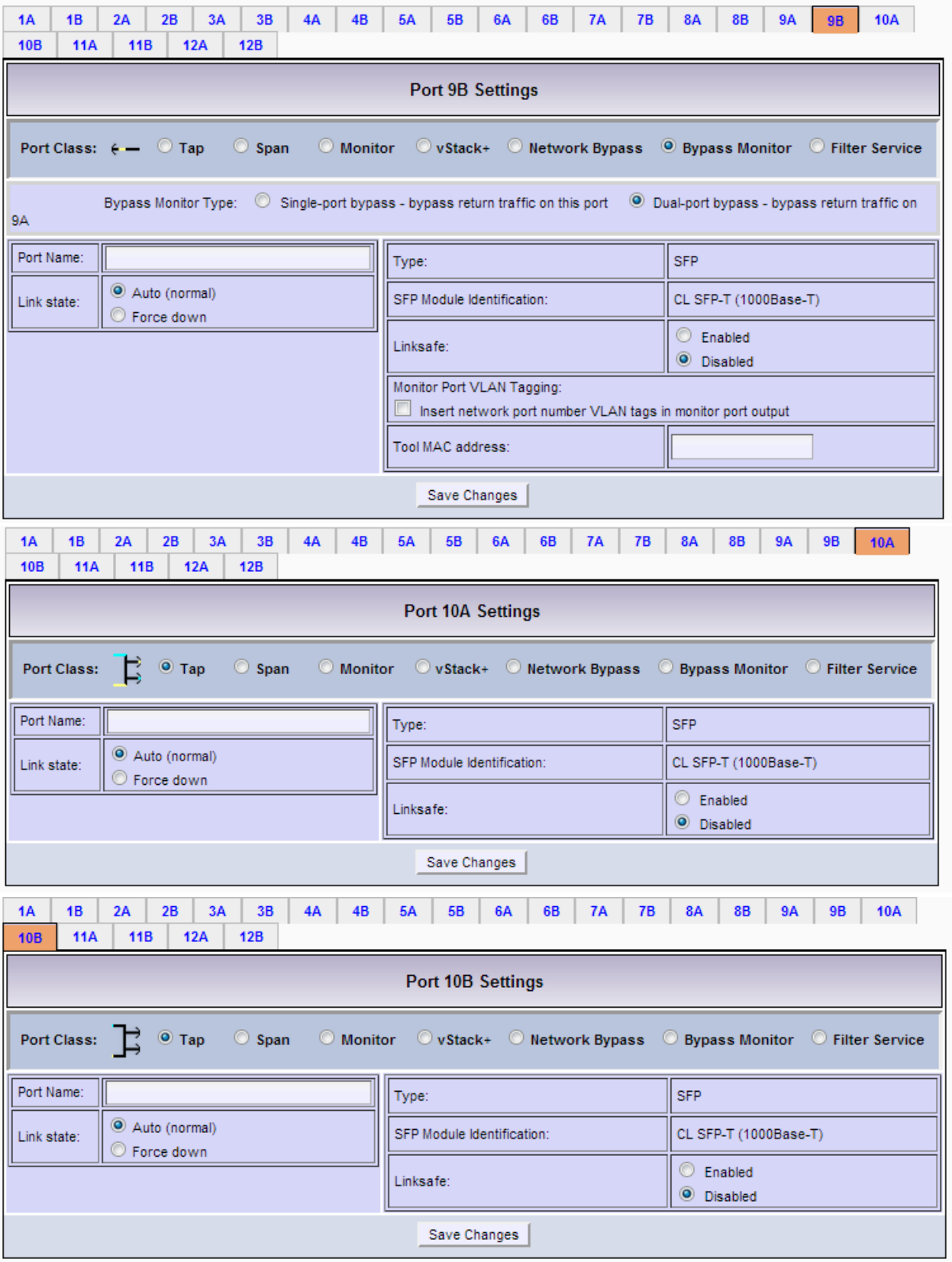

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 7A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 7B
Port Name: Imperva 1
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

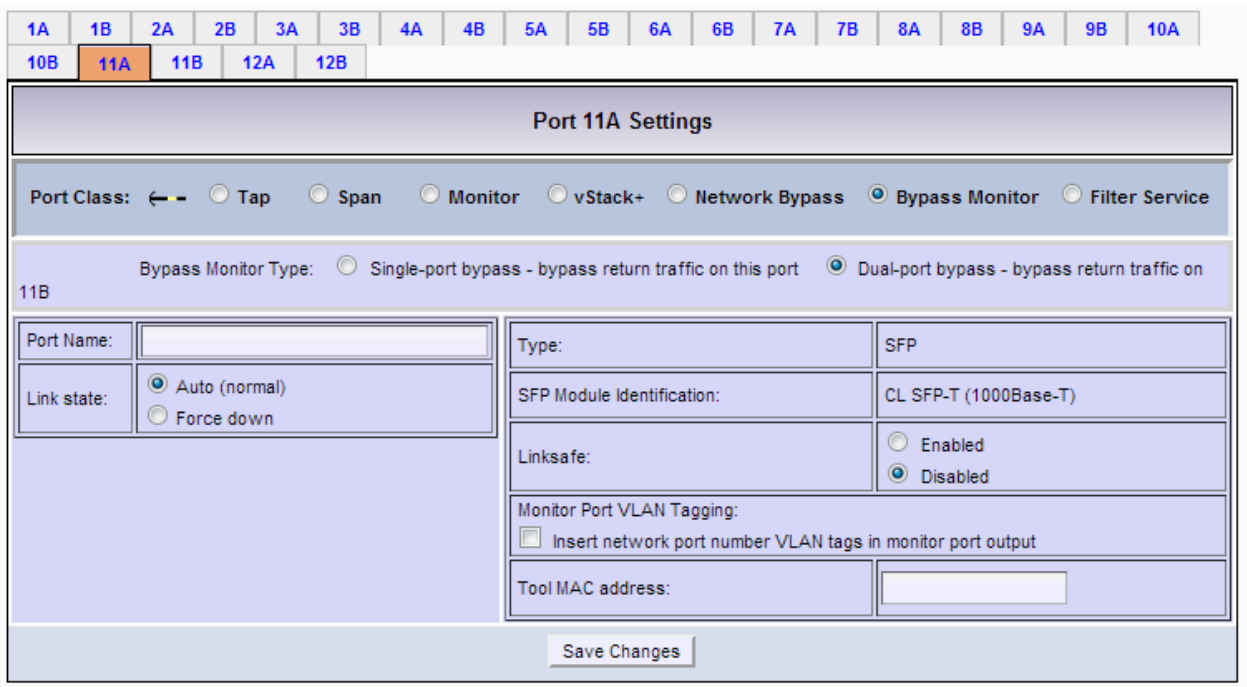

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 7B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 7A
Port Name: Imperva 1
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

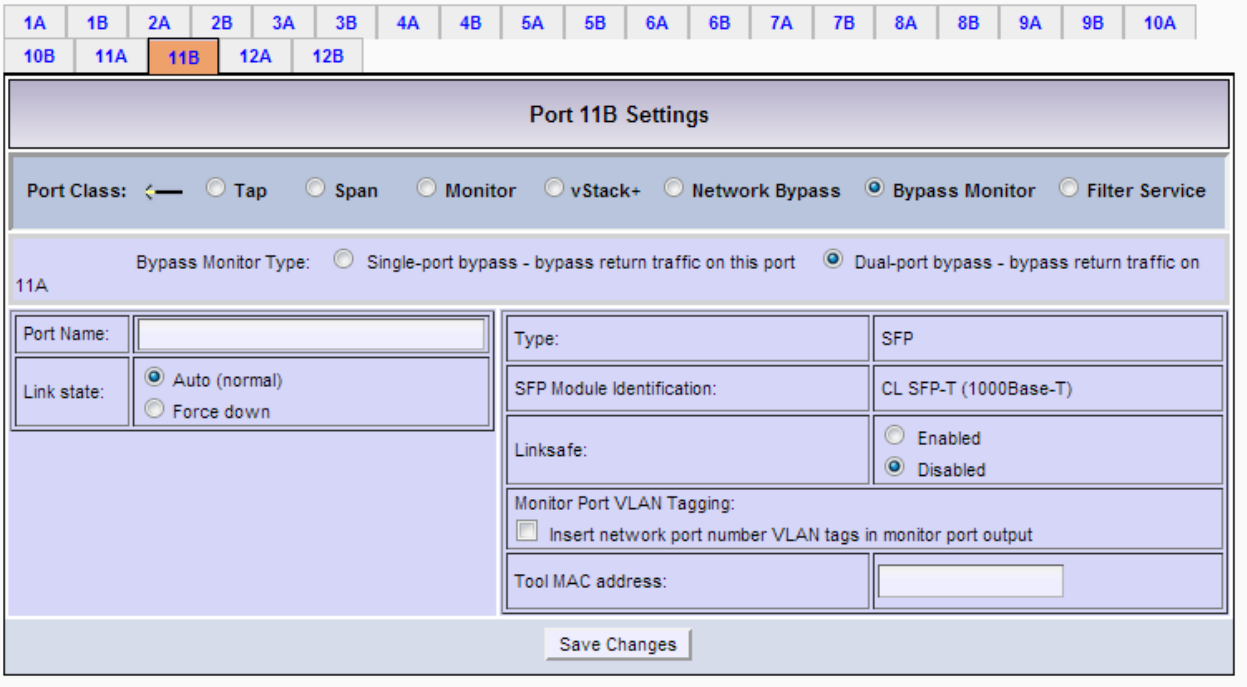

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 8A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 8B
Port Name: Imperva 2
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

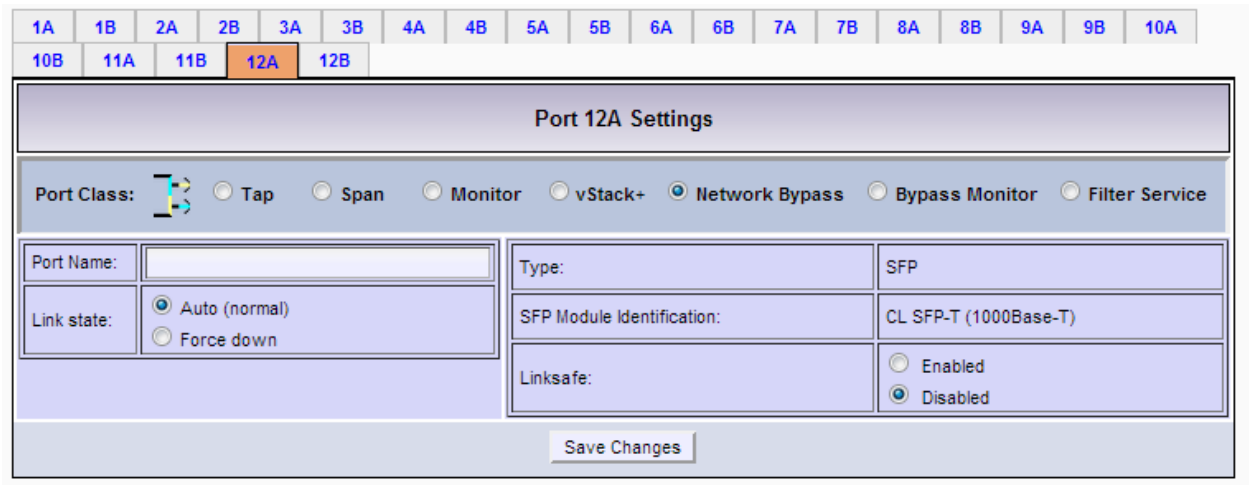

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 8B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 8A
Port Name: Imperva 2
Auto Negotiate: On
Auto Negotiation Advertisements
10H 100H 1000H Symmetric Pause
10F 100F 1000F Asymmetric Pause
Link state: Auto (normal) Force down
Type: 10Base-T/100Base-TX/1000Base-T RJ45
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

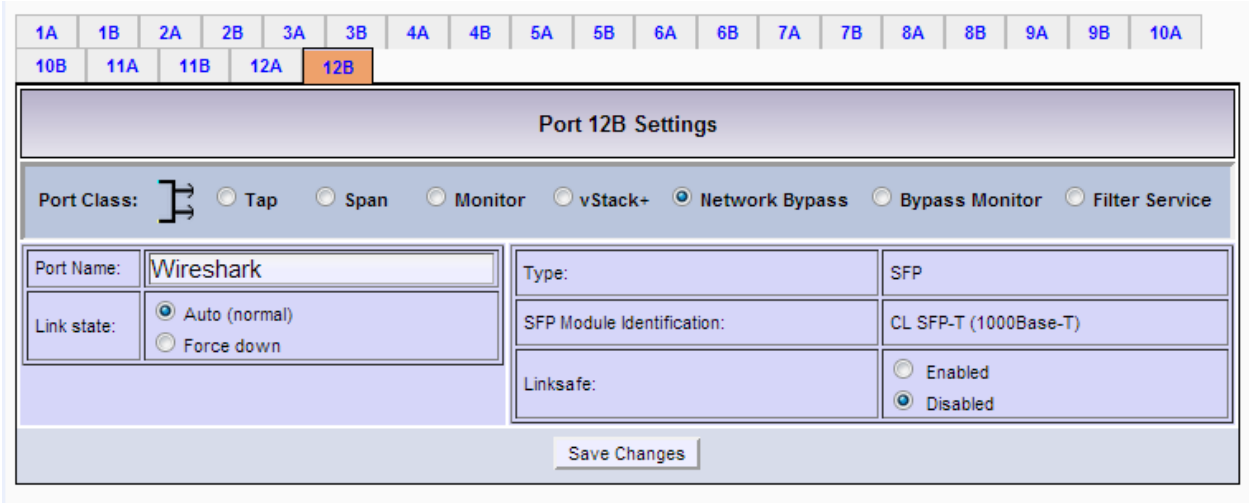

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 9A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 9B
Port Name:
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes


1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 9B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 9A
Port Name:
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes
1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 10A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Save Changes
1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 10B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Save Changes

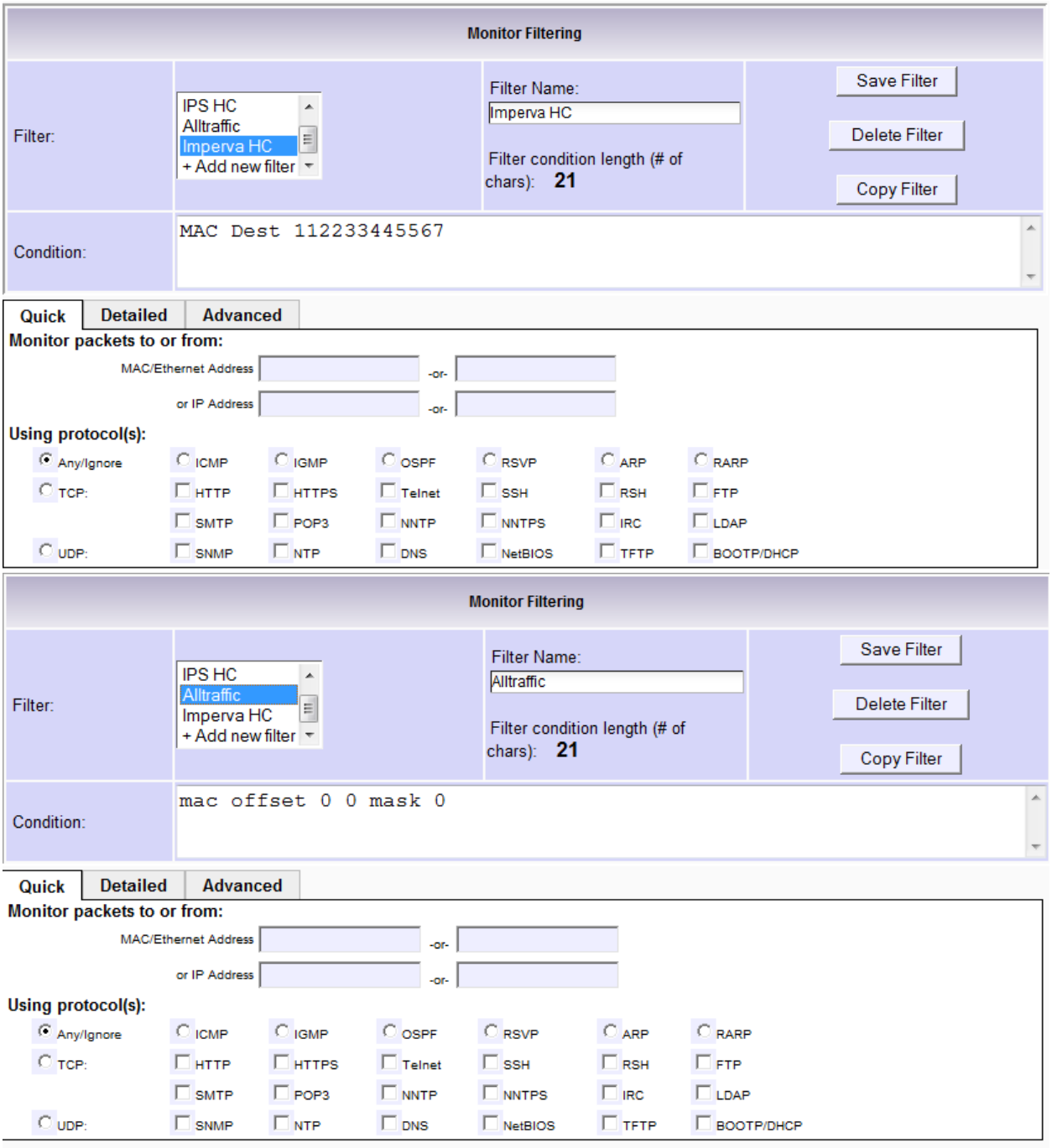

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 11A Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 11B
Port Name:
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes

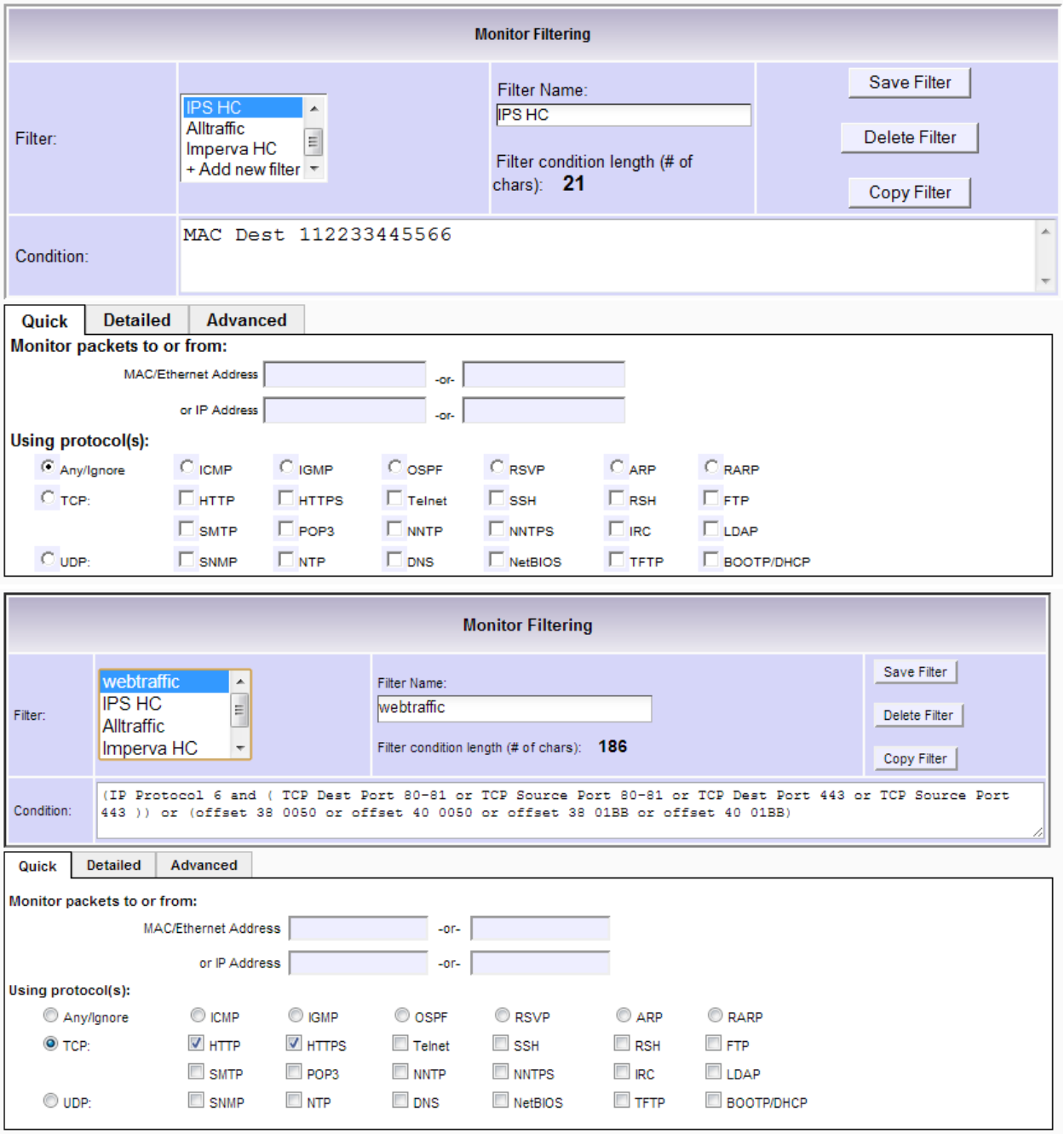

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 11B Settings
Port Class: Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Bypass Monitor Type: Single-port bypass - bypass return traffic on this port Dual-port bypass - bypass return traffic on 11A
Port Name:
Link state: Auto (normal) Force down
Type: SFP
SFP Module Identification: CL SFP-T (1000Base-T)
Linksafe: Enabled Disabled
Monitor Port VLAN Tagging:
Insert network port number VLAN tags in monitor port output
Tool MAC address:
Save Changes


1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 12A Settings
Port Class:
Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Link state:
Auto (normal)
Force down
Type:
SFP
SFP Module Identification:
CL SFP-T (1000Base-T)
Linksafe:
Enabled
Disabled
Save Changes

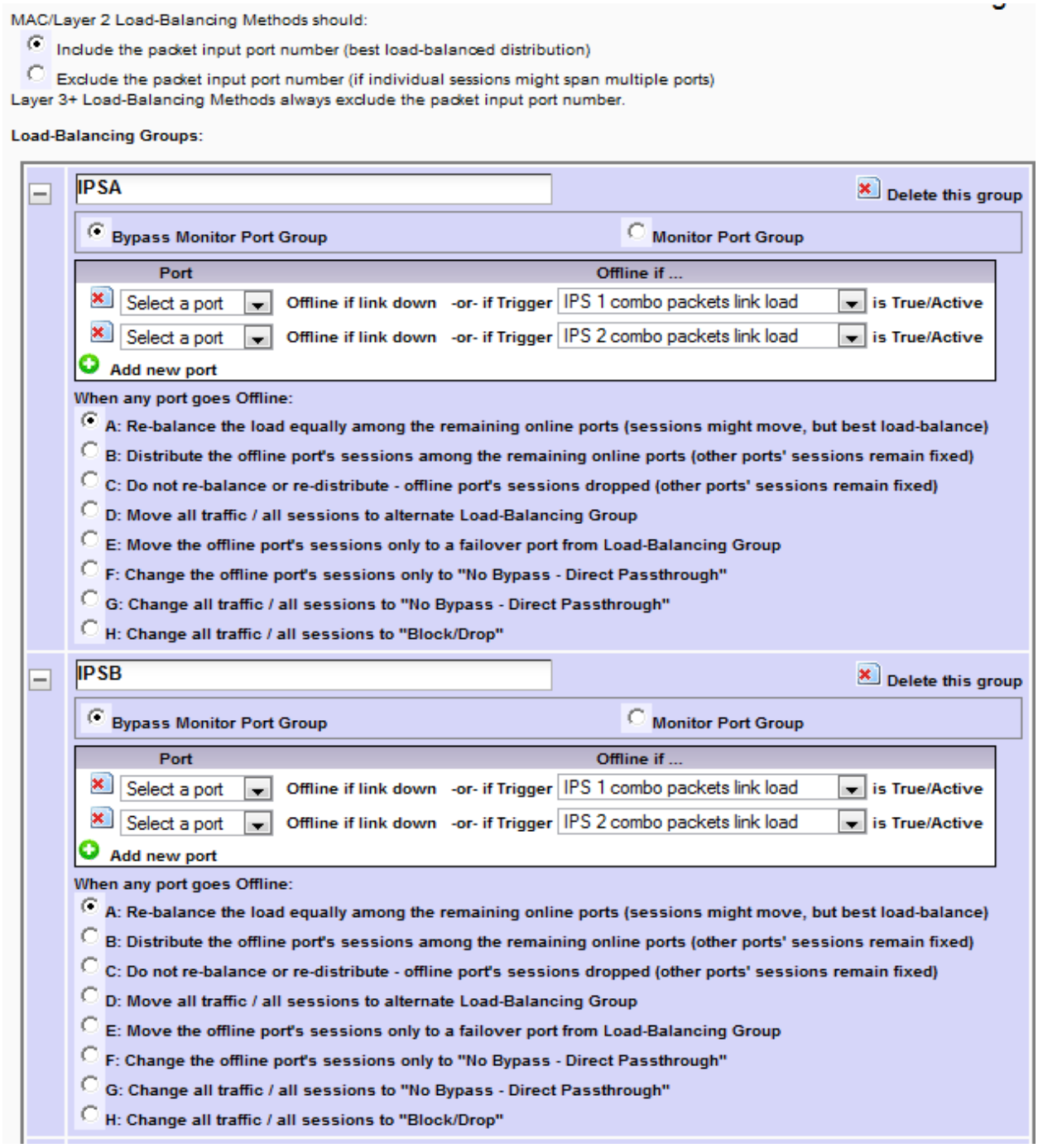

1A 1B 2A 2B 3A 3B 4A 4B 5A 5B 6A 6B 7A 7B 8A 8B 9A 9B 10A
10B 11A 11B 12A 12B
Port 12B Settings
Port Class:
Tap Span Monitor vStack+ Network Bypass Bypass Monitor Filter Service
Port Name:
Wireshark
Link state:
Auto (normal)
Force down
Type:
SFP
SFP Module Identification:
CL SFP-T (1000Base-T)
Linksafe:
Enabled
Disabled
Save Changes

Filtering


Monitor Filtering
Filter:
IPS HC
Alltraffic
Imperva HC
+ Add new filter
Filter Name:
Imperva HC
Filter condition length (# of chars): 21
Save Filter
Delete Filter
Copy Filter
Condition:
MAC Dest 112233445567
Quick
Detailed
Advanced
Monitor packets to or from:
MAC/Ethernet Address
-or-
or IP Address
-or-
Using protocol(s):
Any/Ignore
ICMP
IGMP
OSPF
RSVP
ARP
RARP
TCP:
HTTP
HTTPS
Telnet
SSH
RSH
FTP
SMTP
POP3
NNTP
NNTPS
IRC
LDAP
UDP:
SNMP
NTP
DNS
NetBIOS
TFTP
BOOTP/DHCP
Monitor Filtering
Filter:
IPS HC
Alltraffic
Imperva HC
+ Add new filter
Filter Name:
Alltraffic
Filter condition length (# of chars): 21
Save Filter
Delete Filter
Copy Filter
Condition:
mac offset 0 0 mask 0
Quick
Detailed
Advanced
Monitor packets to or from:
MAC/Ethernet Address
-or-
or IP Address
-or-
Using protocol(s):
Any/Ignore
ICMP
IGMP
OSPF
RSVP
ARP
RARP
TCP:
HTTP
HTTPS
Telnet
SSH
RSH
FTP
SMTP
POP3
NNTP
NNTPS
IRC
LDAP
UDP:
SNMP
NTP
DNS
NetBIOS
TFTP
BOOTP/DHCP


Monitor Filtering
Filter:
IPS HC
Alltraffic
Imperva HC
+ Add new filter
Filter Name:
IPS HC
Filter condition length (# of chars): 21
Save Filter
Delete Filter
Copy Filter
Condition:
MAC Dest 112233445566
Quick
Detailed
Advanced
Monitor packets to or from:
MAC/Ethernet Address
-or-
or IP Address
-or-
Using protocol(s):
Any/Ignore
ICMP
IGMP
OSPF
RSVP
ARP
RARP
TCP:
HTTP
HTTPS
Telnet
SSH
RSH
FTP
SMTP
POP3
NNTP
NNTPS
IRC
LDAP
UDP:
SNMP
NTP
DNS
NetBIOS
TFTP
BOOTP/DHCP
Monitor Filtering
Filter:
webtraffic
IPS HC
Alltraffic
Imperva HC
Filter Name:
webtraffic
Filter condition length (# of chars): 186
Save Filter
Delete Filter
Copy Filter
Condition:
(IP Protocol 6 and (TCP Dest Port 80-81 or TCP Source Port 80-81 or TCP Dest Port 443 or TCP Source Port 443)) or (offset 38 0050 or offset 40 0050 or offset 38 01BB or offset 40 01BB)
Quick
Detailed
Advanced
Monitor packets to or from:
MAC/Ethernet Address
-or-
or IP Address
-or-
Using protocol(s):
Any/Ignore
ICMP
IGMP
OSPF
RSVP
ARP
RARP
TCP:
HTTP
HTTPS
Telnet
SSH
RSH
FTP
SMTP
POP3
NNTP
NNTPS
IRC
LDAP
UDP:
SNMP
NTP
DNS
NetBIOS
TFTP
BOOTP/DHCP

Load Balancing Settings



Imperva A

Delete this group

Bypass Monitor Port Group Monitor Port Group

Port	Offline if ...			
7A (Imperva 1)	Offline if link down	-or- if Trigger	Imperva 1 combo packets link load	is True/Active
8A (Imperva 2)	Offline if link down	-or- if Trigger	Imperva 2 combo packets link load	is True/Active

Add new port

When any port goes Offline:

- A: Re-balance the load equally among the remaining online ports (sessions might move, but best load-balance)
- B: Distribute the offline port's sessions among the remaining online ports (other ports' sessions remain fixed)
- C: Do not re-balance or re-distribute - offline port's sessions dropped (other ports' sessions remain fixed)
- D: Move all traffic / all sessions to alternate Load-Balancing Group
- E: Move the offline port's sessions only to a failover port from Load-Balancing Group
- F: Change the offline port's sessions only to "No Bypass - Direct Passthrough"
- G: Change all traffic / all sessions to "No Bypass - Direct Passthrough"
- H: Change all traffic / all sessions to "Block/Drop"

Imperva B

Delete this group

Bypass Monitor Port Group Monitor Port Group

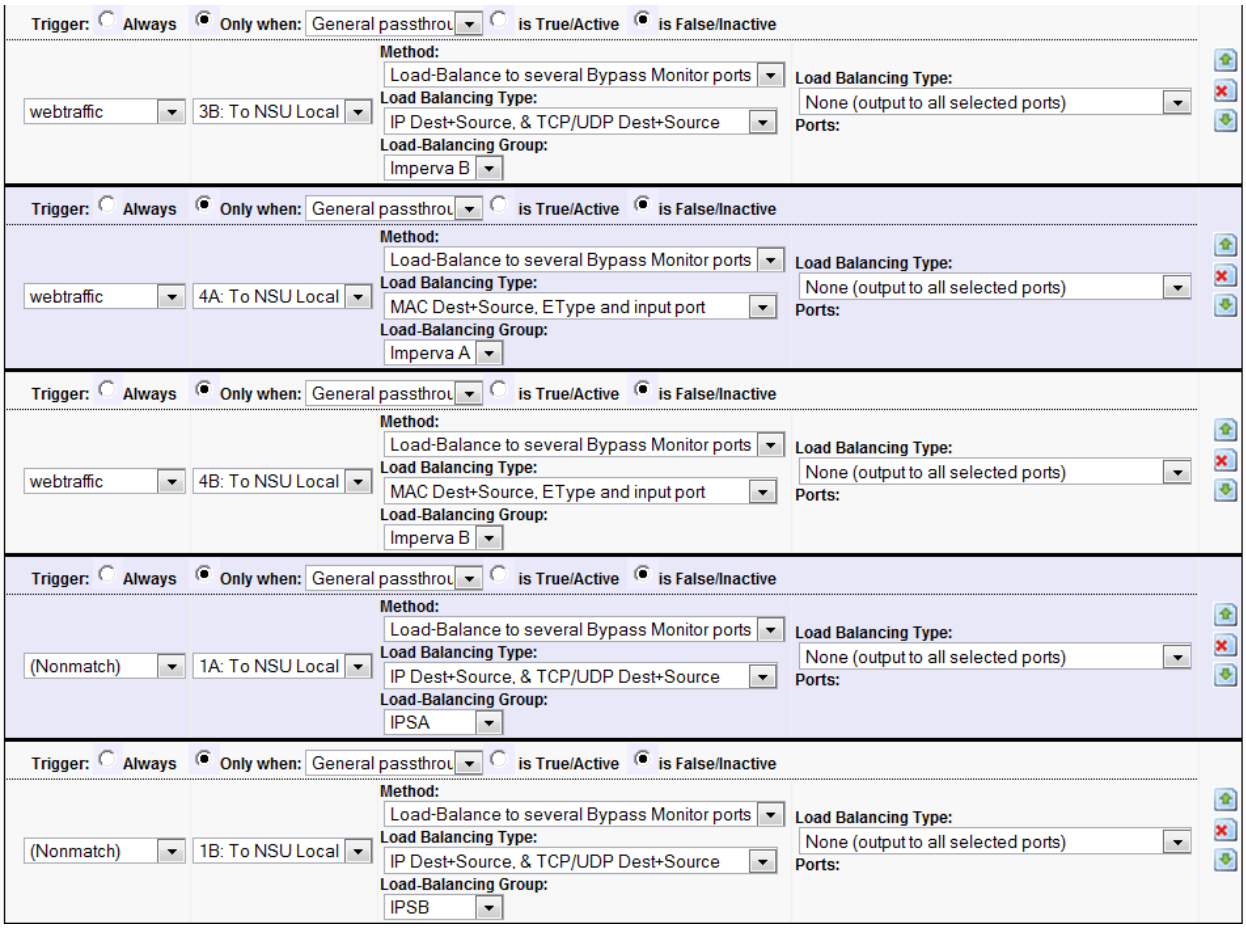
Port	Offline if ...			
7B (Imperva 1)	Offline if link down	-or- if Trigger	Imperva 1 combo packets link load	is True/Active
8B (Imperva 2)	Offline if link down	-or- if Trigger	Imperva 2 combo packets link load	is True/Active

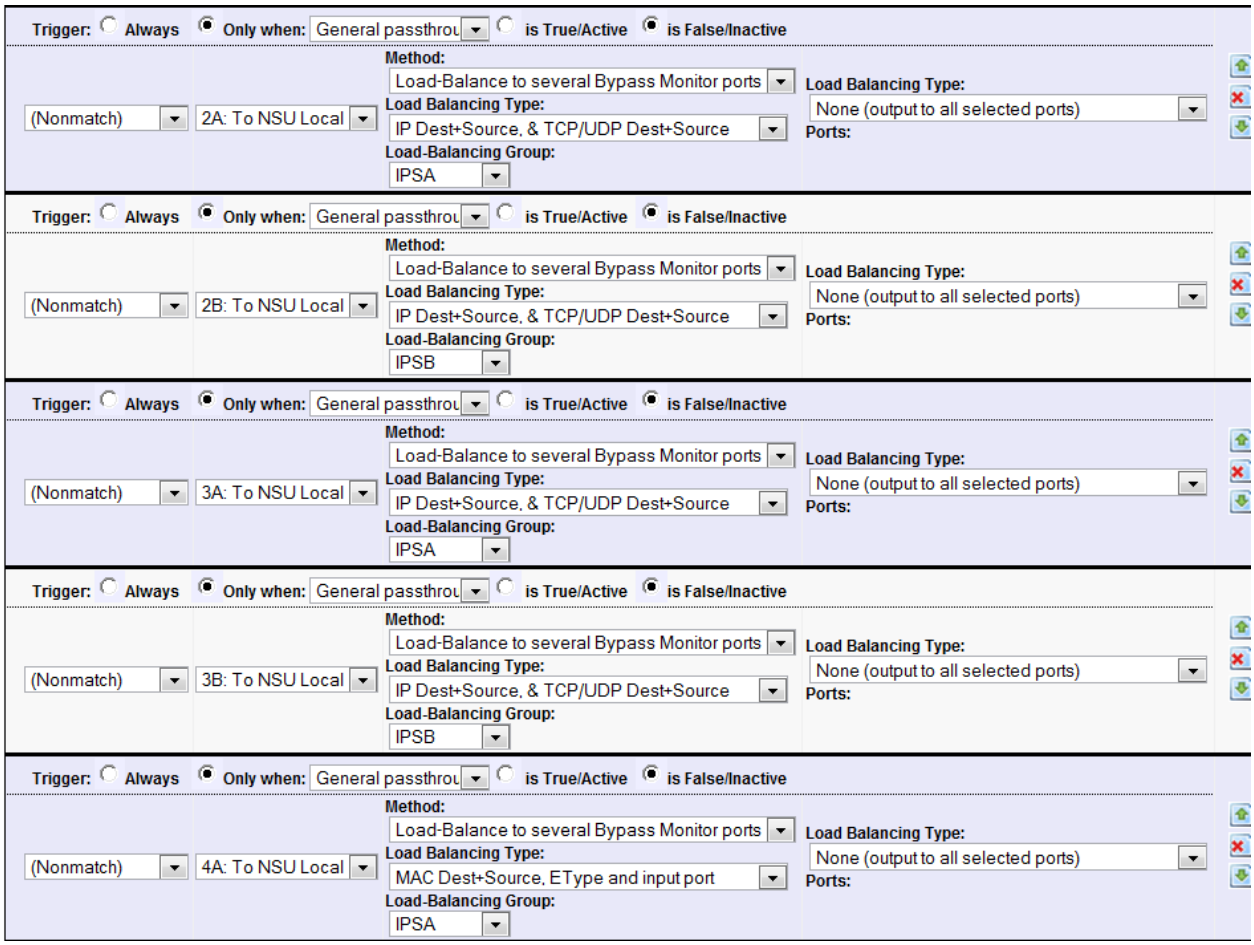
Add new port

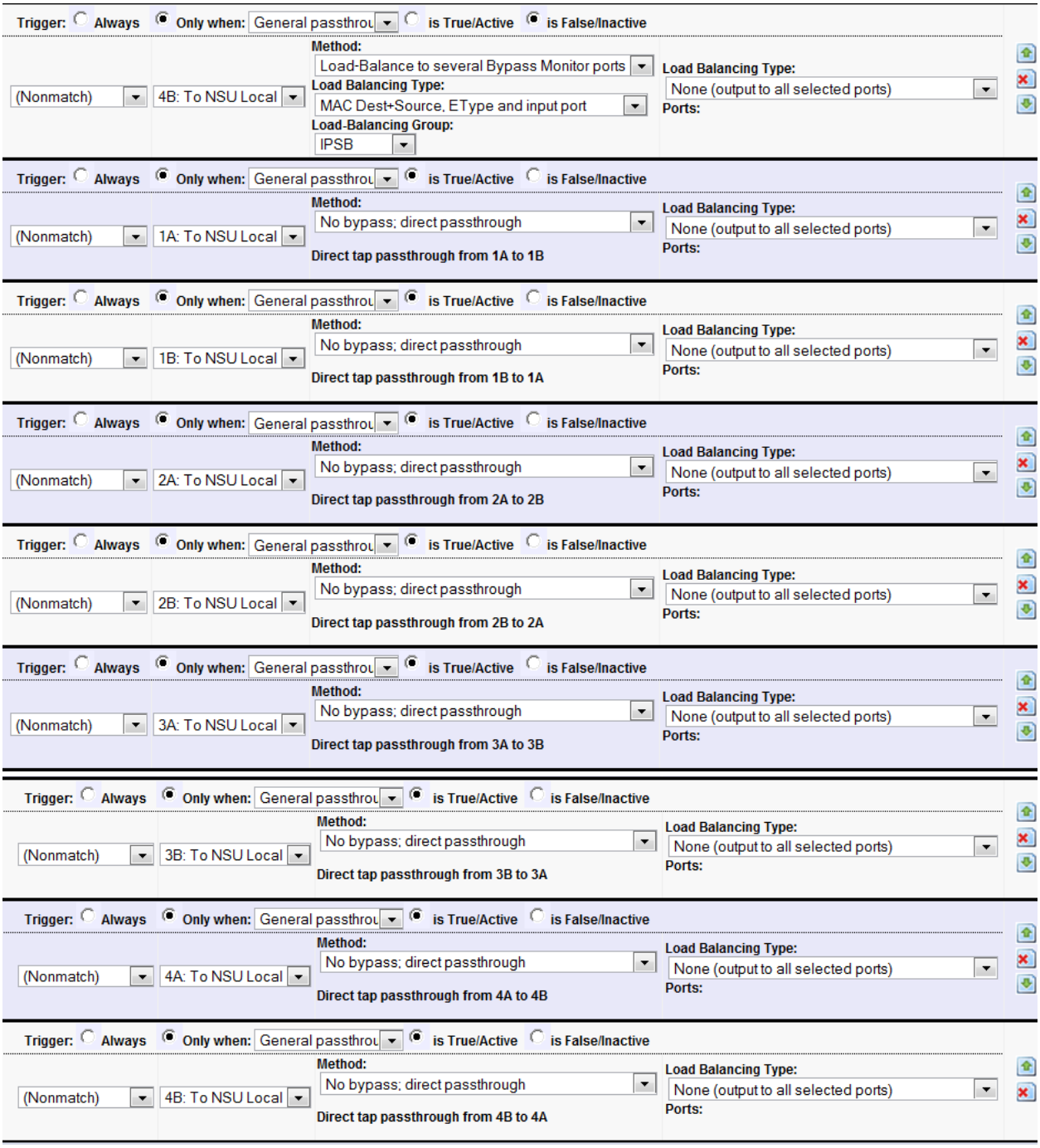
When any port goes Offline:

- A: Re-balance the load equally among the remaining online ports (sessions might move, but best load-balance)
- B: Distribute the offline port's sessions among the remaining online ports (other ports' sessions remain fixed)
- C: Do not re-balance or re-distribute - offline port's sessions dropped (other ports' sessions remain fixed)
- D: Move all traffic / all sessions to alternate Load-Balancing Group
- E: Move the offline port's sessions only to a failover port from Load-Balancing Group
- F: Change the offline port's sessions only to "No Bypass - Direct Passthrough"
- G: Change all traffic / all sessions to "No Bypass - Direct Passthrough"
- H: Change all traffic / all sessions to "Block/Drop"

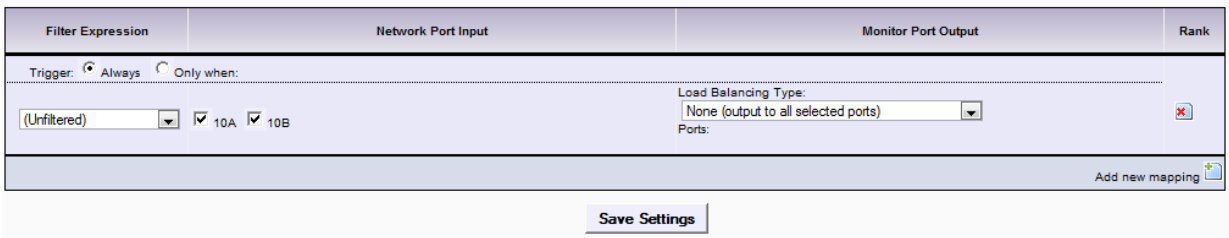
Bypass Monitor Settings



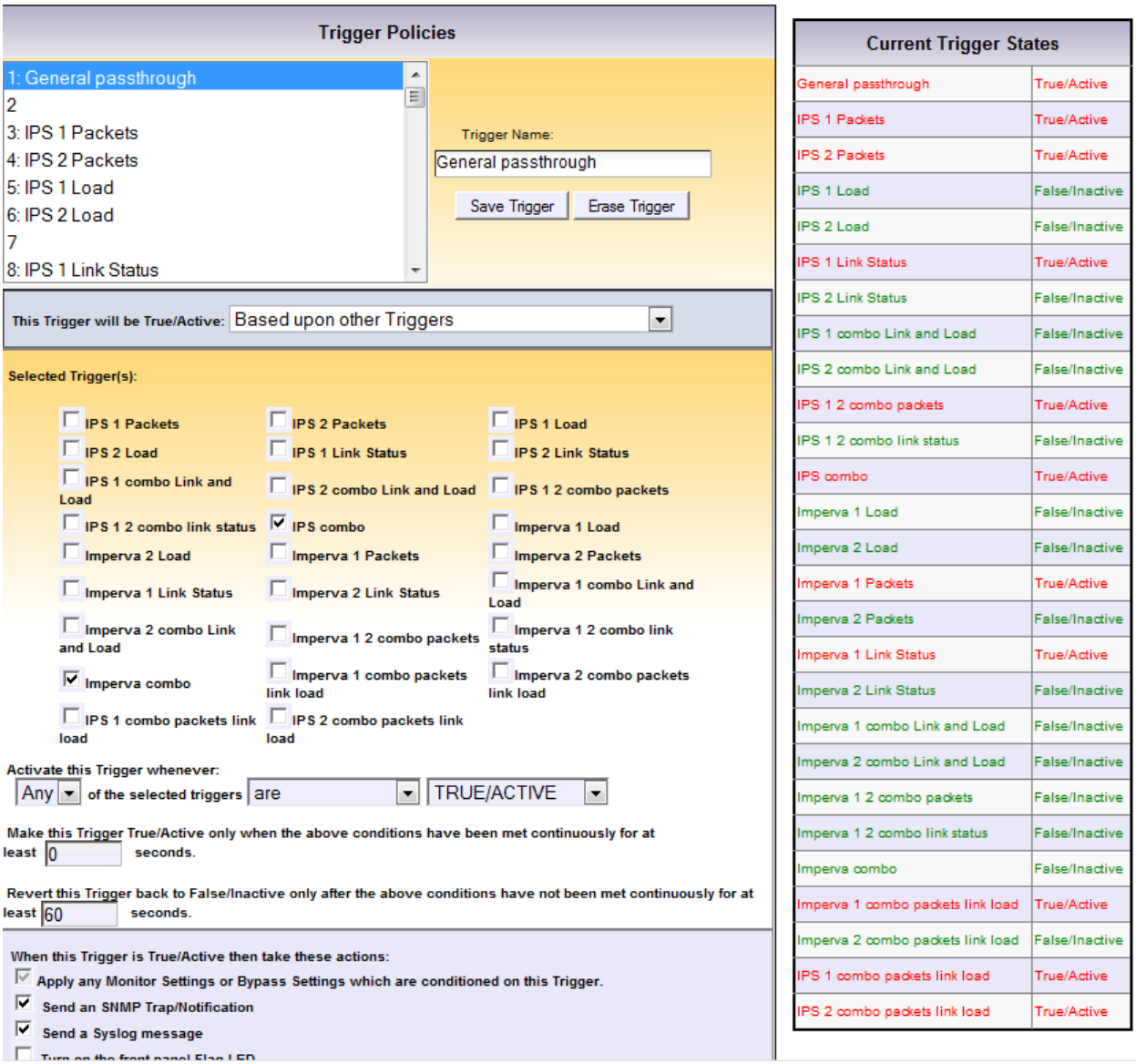

Trigger: Always Only when: General passthrou is True/Active is False/Inactive
(Nonmatch) 2A: To NSU Local
Method: Load-Balance to several Bypass Monitor ports
Load Balancing Type: IP Dest+Source, & TCP/UDP Dest+Source
Load-Balancing Group: IPSA
Load Balancing Type: None (output to all selected ports)
Ports:
Trigger: Always Only when: General passthrou is True/Active is False/Inactive
(Nonmatch) 2B: To NSU Local
Method: Load-Balance to several Bypass Monitor ports
Load Balancing Type: IP Dest+Source, & TCP/UDP Dest+Source
Load-Balancing Group: IPSB
Load Balancing Type: None (output to all selected ports)
Ports:
Trigger: Always Only when: General passthrou is True/Active is False/Inactive
(Nonmatch) 3A: To NSU Local
Method: Load-Balance to several Bypass Monitor ports
Load Balancing Type: IP Dest+Source, & TCP/UDP Dest+Source
Load-Balancing Group: IPSA
Load Balancing Type: None (output to all selected ports)
Ports:
Trigger: Always Only when: General passthrou is True/Active is False/Inactive
(Nonmatch) 3B: To NSU Local
Method: Load-Balance to several Bypass Monitor ports
Load Balancing Type: IP Dest+Source, & TCP/UDP Dest+Source
Load-Balancing Group: IPSB
Load Balancing Type: None (output to all selected ports)
Ports:
Trigger: Always Only when: General passthrou is True/Active is False/Inactive
(Nonmatch) 4A: To NSU Local
Method: Load-Balance to several Bypass Monitor ports
Load Balancing Type: MAC Dest+Source, EType and input port
Load-Balancing Group: IPSA
Load Balancing Type: None (output to all selected ports)
Ports:



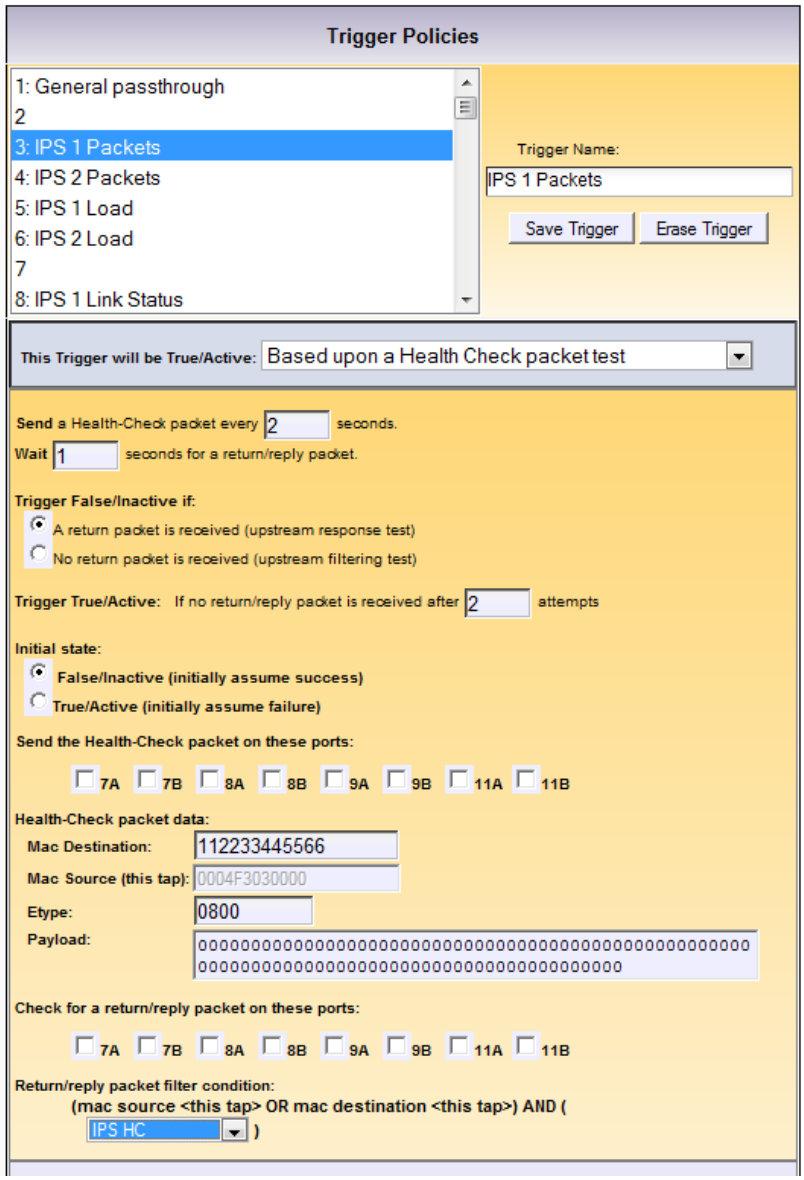
Monitor Settings



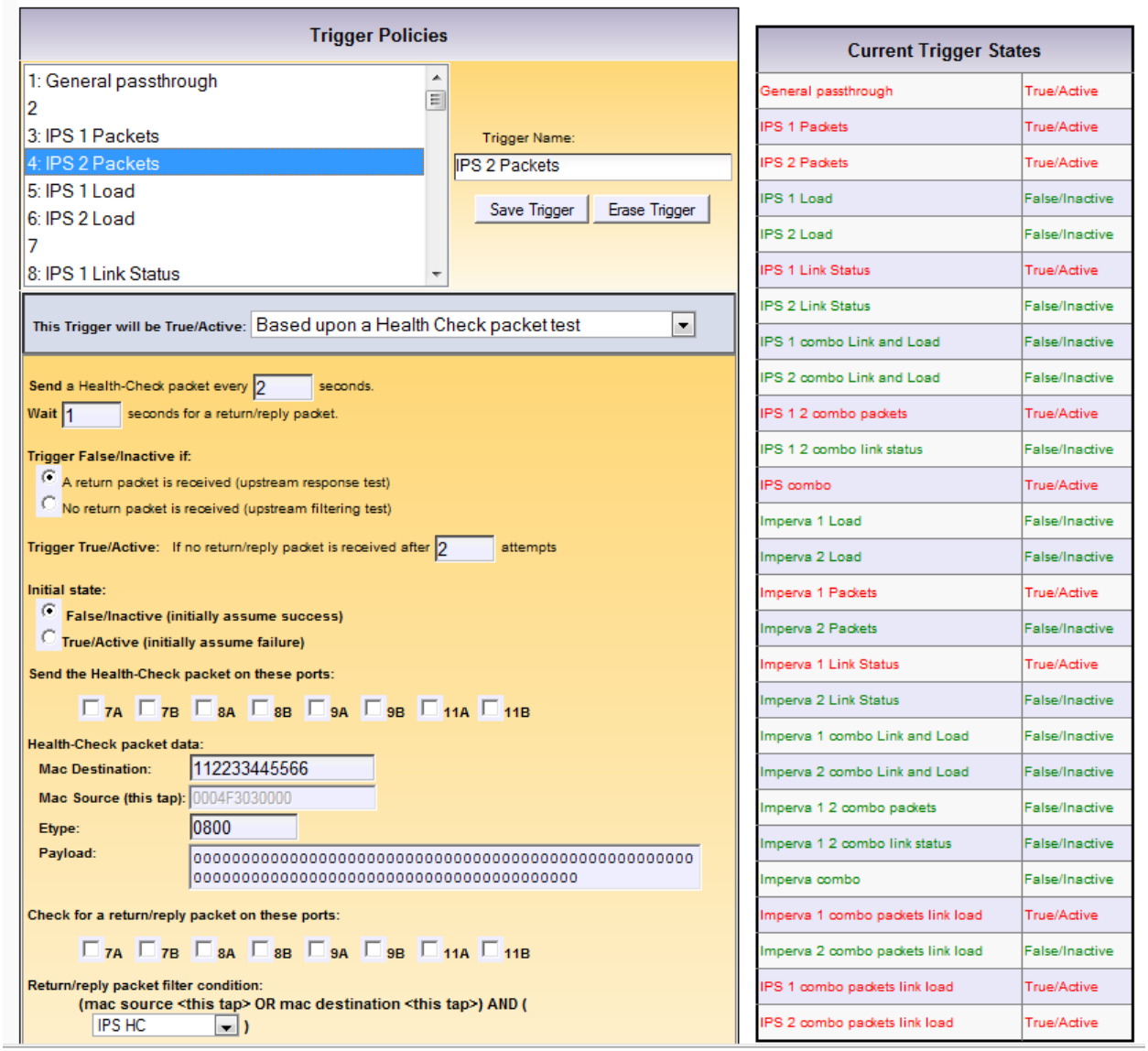
Triggers



Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Trigger Policies

1: General passthrough
2
3: IPS 1 Packets
4: IPS 2 Packets
5: IPS 1 Load
6: IPS 2 Load
7
8: IPS 1 Link Status

Trigger Name: IPS 2 Packets

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon a Health Check packet test

Send a Health-Check packet every 2 seconds.
Wait 1 seconds for a return/reply packet.

Trigger False/Inactive if:
- (•) A return packet is received (upstream response test)
- ( ) No return packet is received (upstream filtering test)

Trigger True/Active: If no return/reply packet is received after 2 attempts

Initial state:
- (•) False/Inactive (initially assume success)
- ( ) True/Active (initially assume failure)

Send the Health-Check packet on these ports:
[ ] 7A [ ] 7B [ ] 8A [ ] 8B [ ] 9A [ ] 9B [ ] 11A [ ] 11B

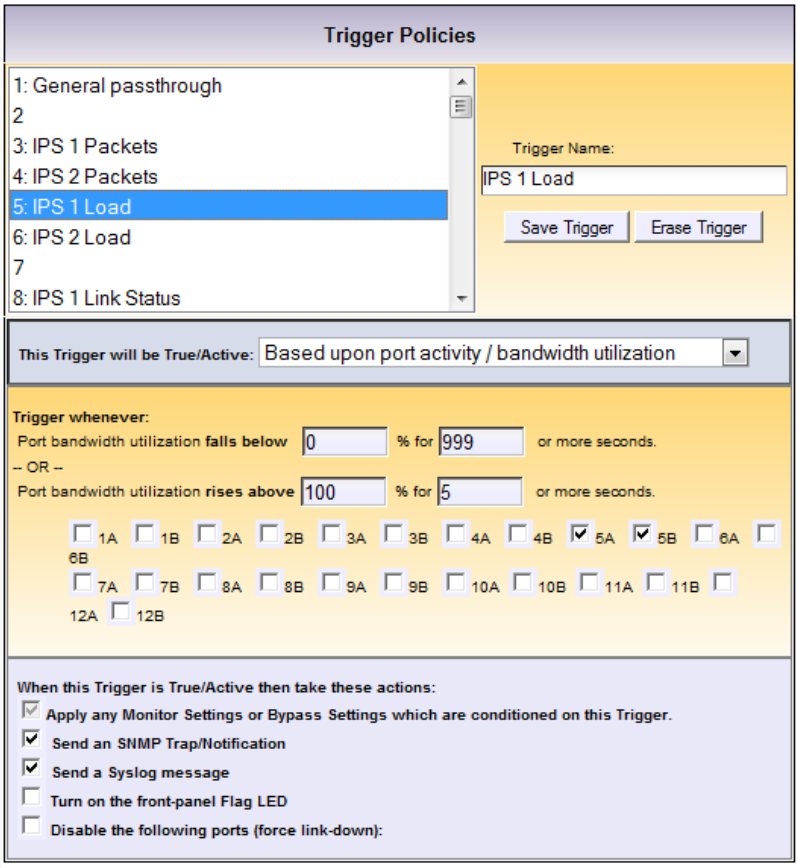
Health-Check packet data:
- Mac Destination: 112233445566
- Mac Source (this tap): 0004F3030000
- Etype: 0800
- Payload: 00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000

Check for a return/reply packet on these ports:
[ ] 7A [ ] 7B [ ] 8A [ ] 8B [ ] 9A [ ] 9B [ ] 11A [ ] 11B

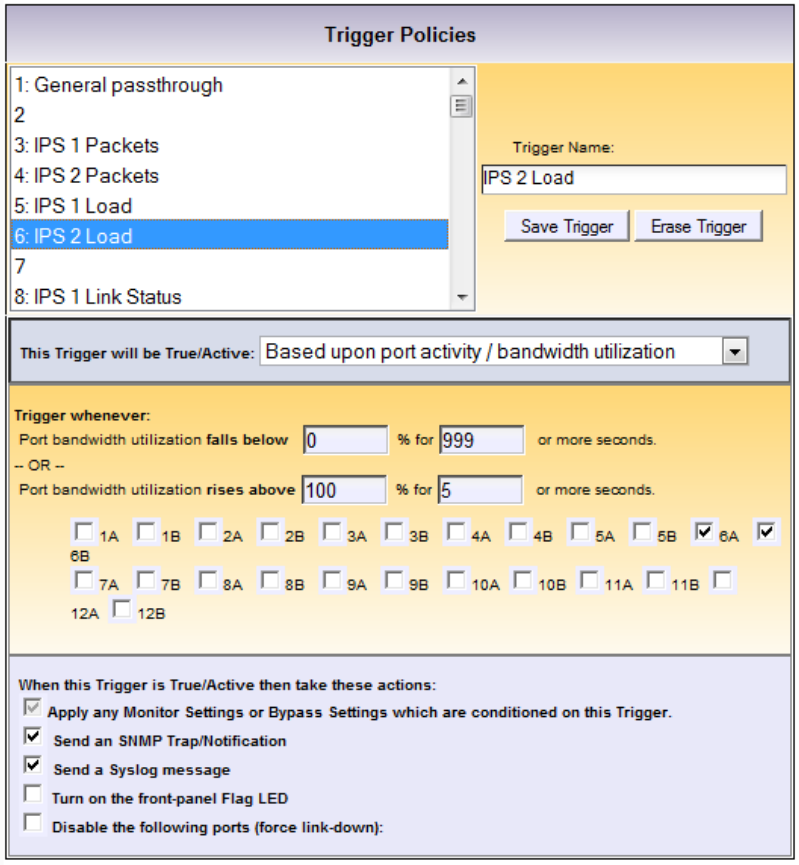
Return/reply packet filter condition:
(mac source <this tap> OR mac destination <this tap>) AND (IPS HC)

Current Trigger States

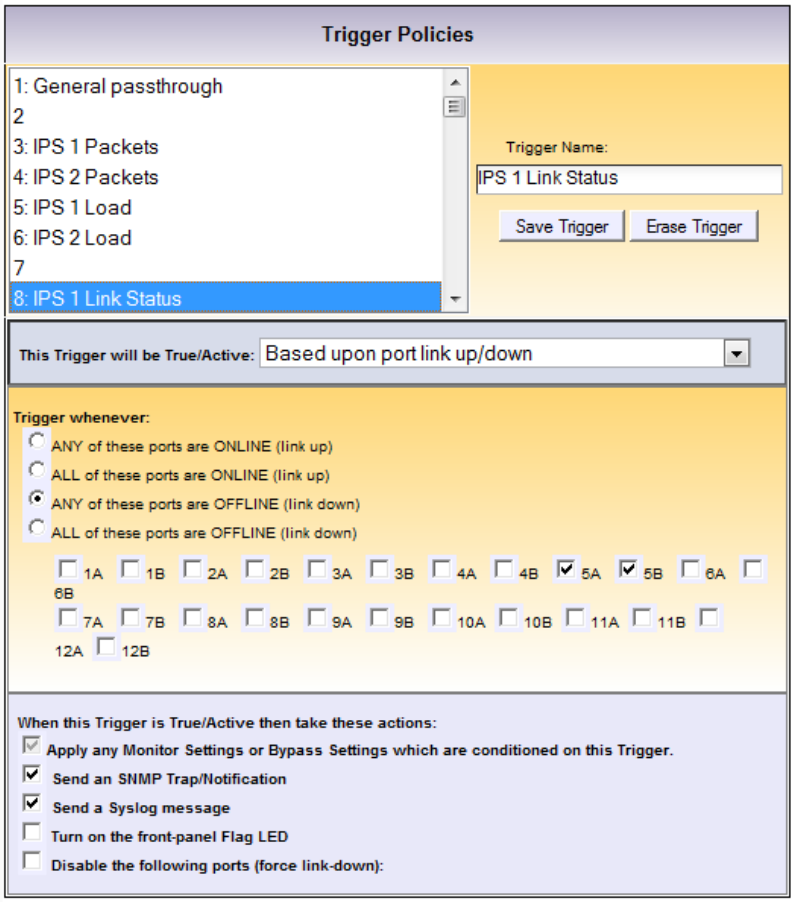
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



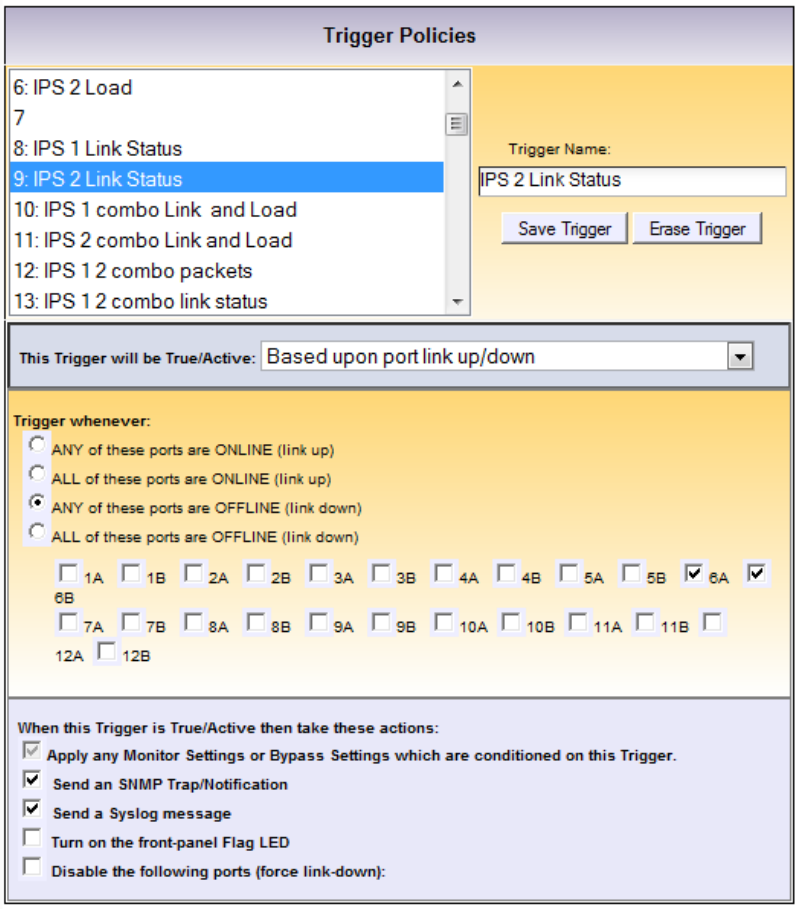
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



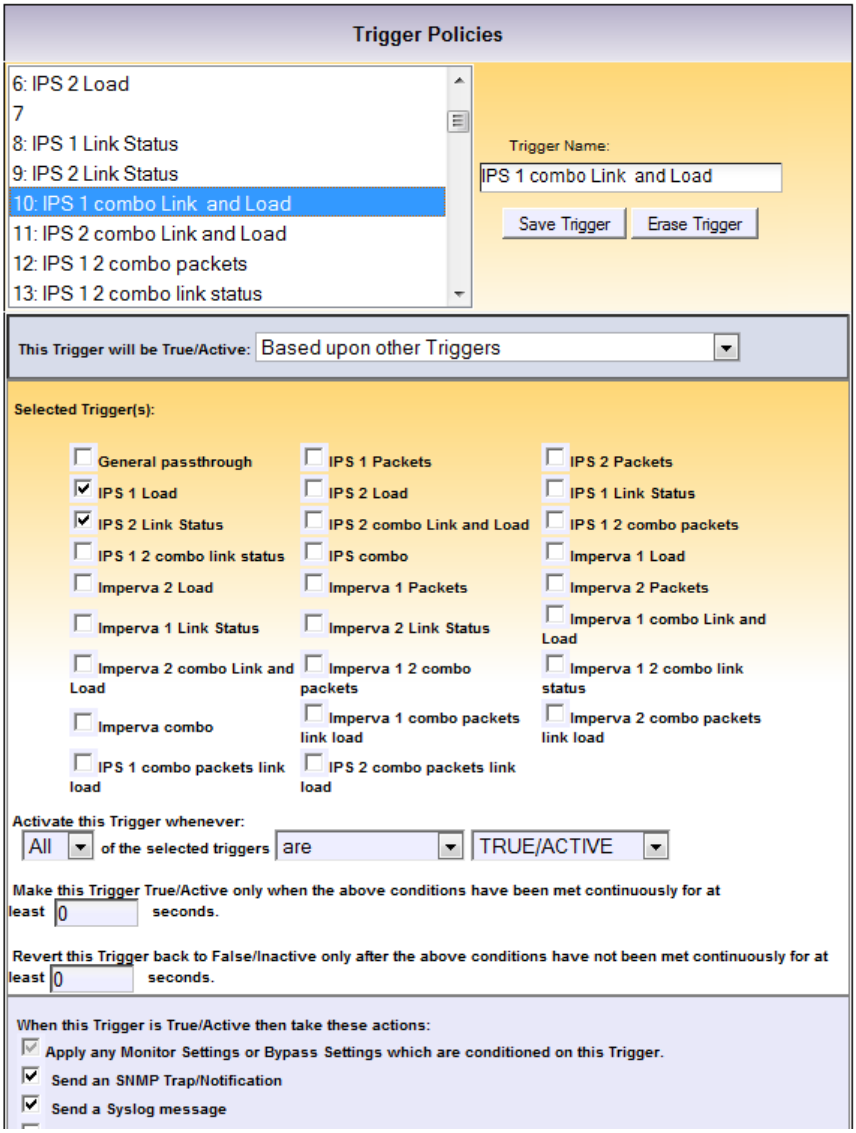
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



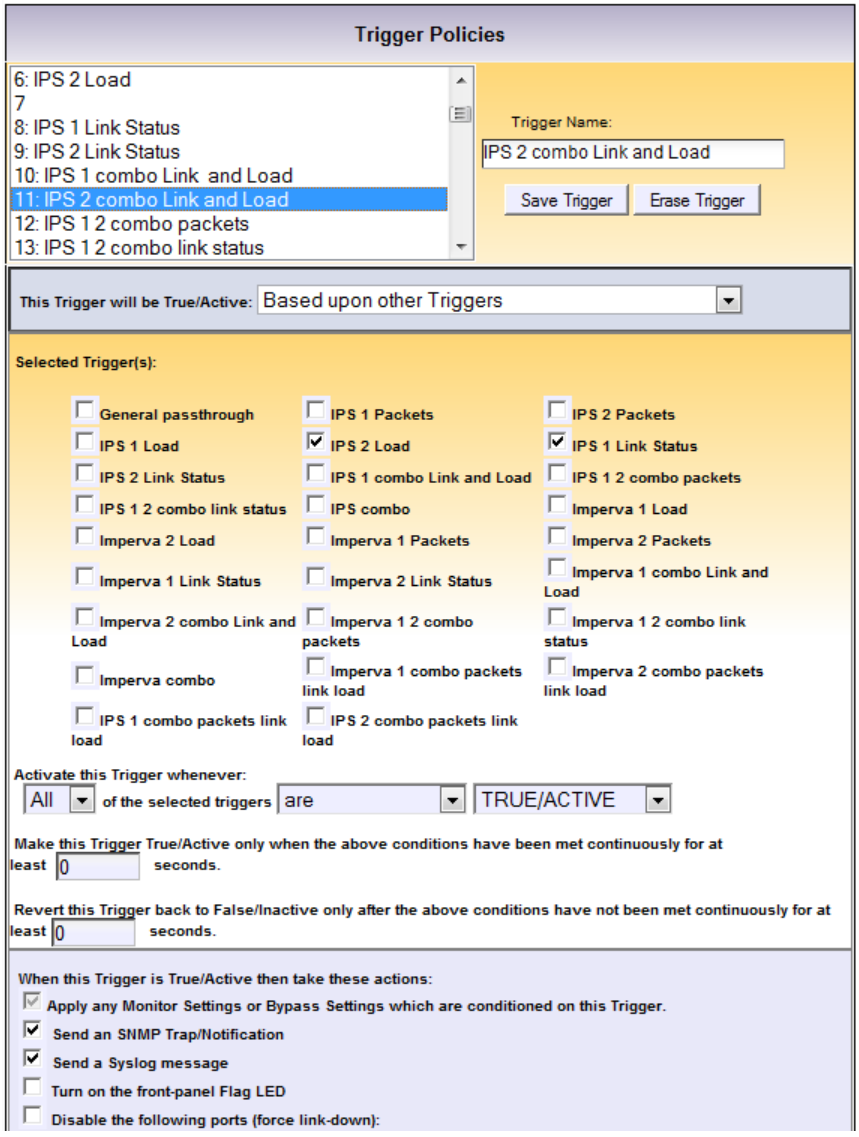
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



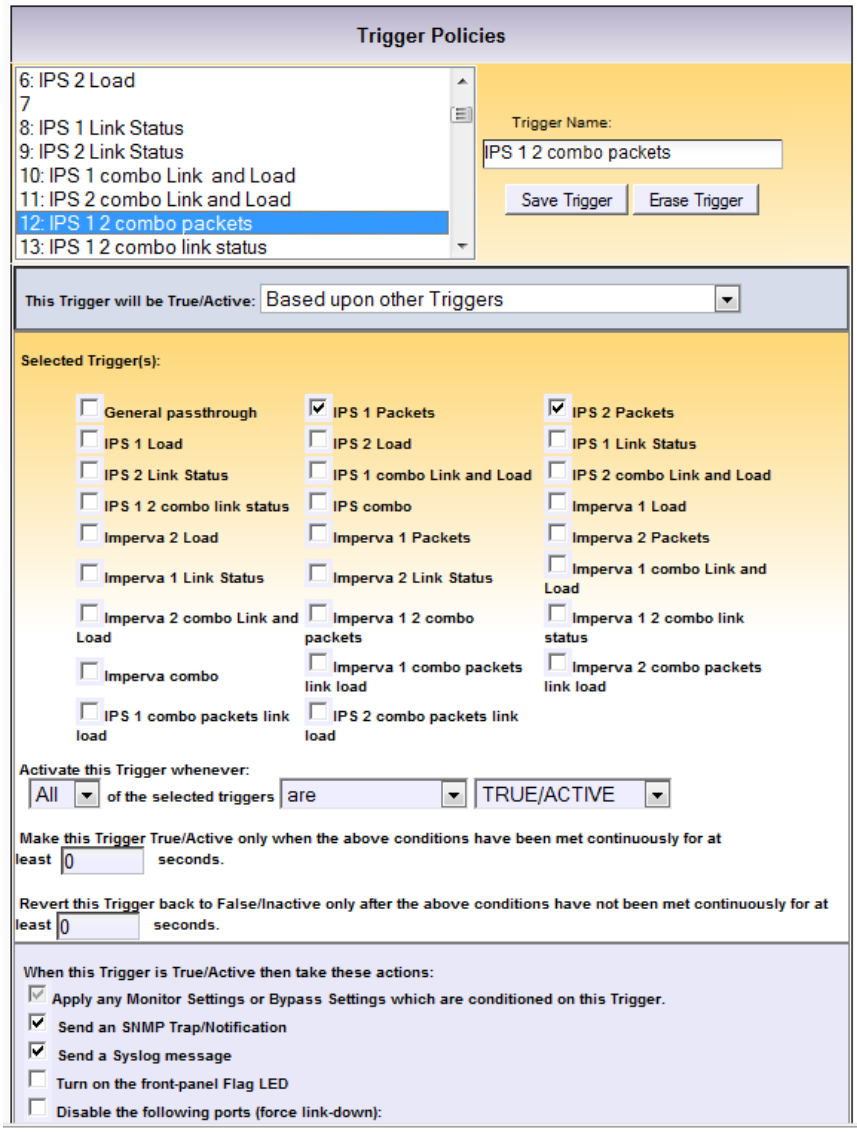
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

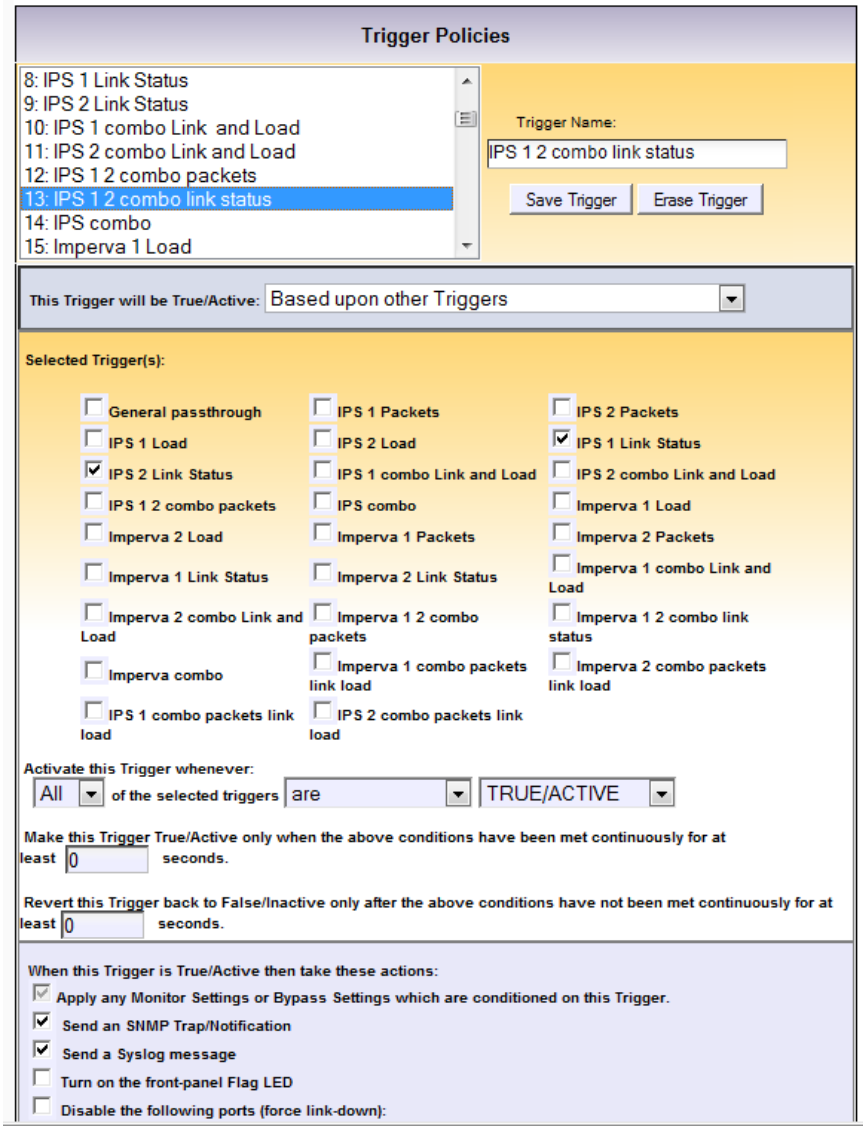


Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



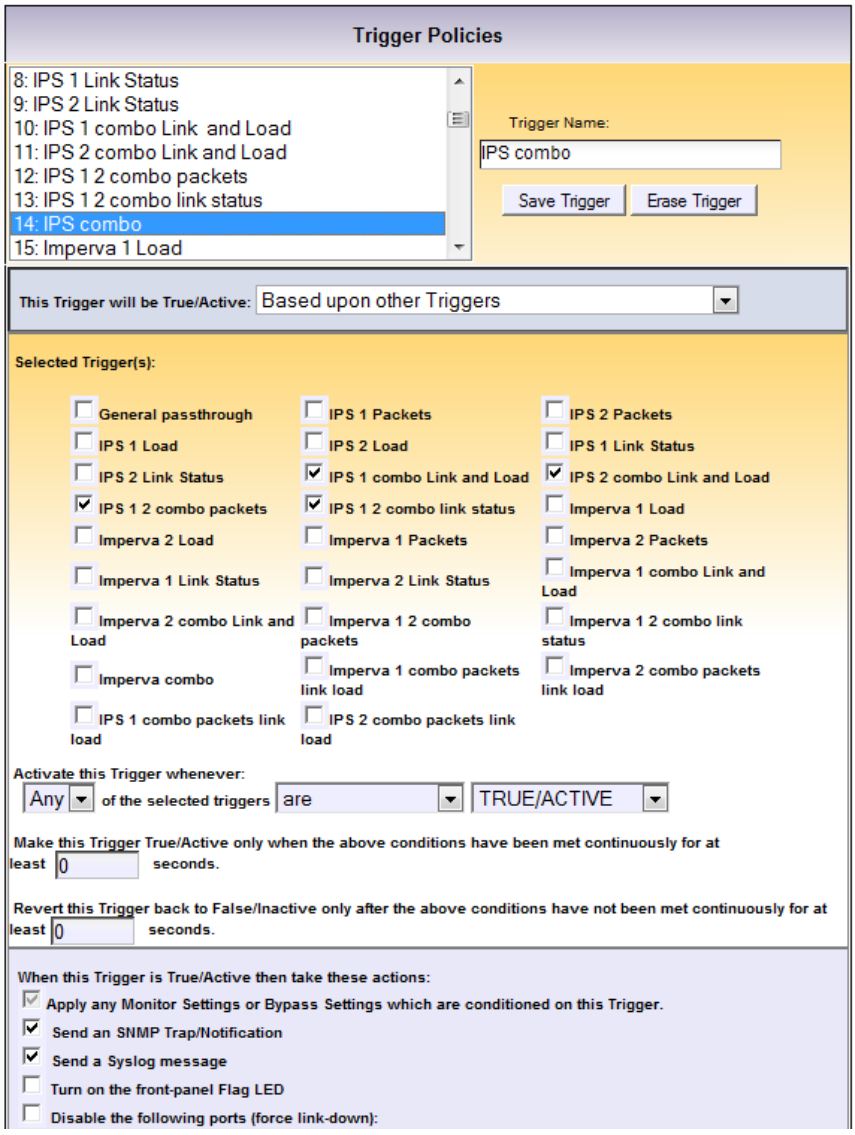
Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

Trigger Policies

15: Imperva 1 Load
16: Imperva 2 Load
17: Imperva 1 Packets
18: Imperva 2 Packets
19
20: Imperva 1 Link Status
21: Imperva 2 Link Status
22: Imperva 1 combo Link and Load

Trigger Name: Imperva 1 Load

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon port activity / bandwidth utilization

Trigger whenever:

Port bandwidth utilization **falls below** 0 % for 999 or more seconds.

-- OR --

Port bandwidth utilization **rises above** 100 % for 5 or more seconds.

☐ 1A ☐ 1B ☐ 2A ☐ 2B ☐ 3A ☐ 3B ☐ 4A ☐ 4B ☐ 5A ☐ 5B ☐ 6A ☐ 6B
☑ 7A ☑ 7B ☐ 8A ☐ 8B ☐ 9A ☐ 9B ☐ 10A ☐ 10B ☐ 11A ☐ 11B ☐ 12A ☐ 12B

When this Trigger is True/Active then take these actions:

- ☑ **Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.**
- ☑ **Send an SNMP Trap/Notification**
- ☑ **Send a Syslog message**
- ☐ **Turn on the front-panel Flag LED**
- ☐ **Disable the following ports (force link-down):**

Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

Trigger Policies

15: Imperva 1 Load
16: Imperva 2 Load
17: Imperva 1 Packets
18: Imperva 2 Packets
19
20: Imperva 1 Link Status
21: Imperva 2 Link Status
22: Imperva 1 combo Link and Load

Trigger Name: Imperva 2 Load

Save Trigger | Erase Trigger

This Trigger will be True/Active: Based upon port activity / bandwidth utilization

Trigger whenever:

Port bandwidth utilization **falls below** 0 % for 999 or more seconds.

-- OR --

Port bandwidth utilization **rises above** 100 % for 5 or more seconds.

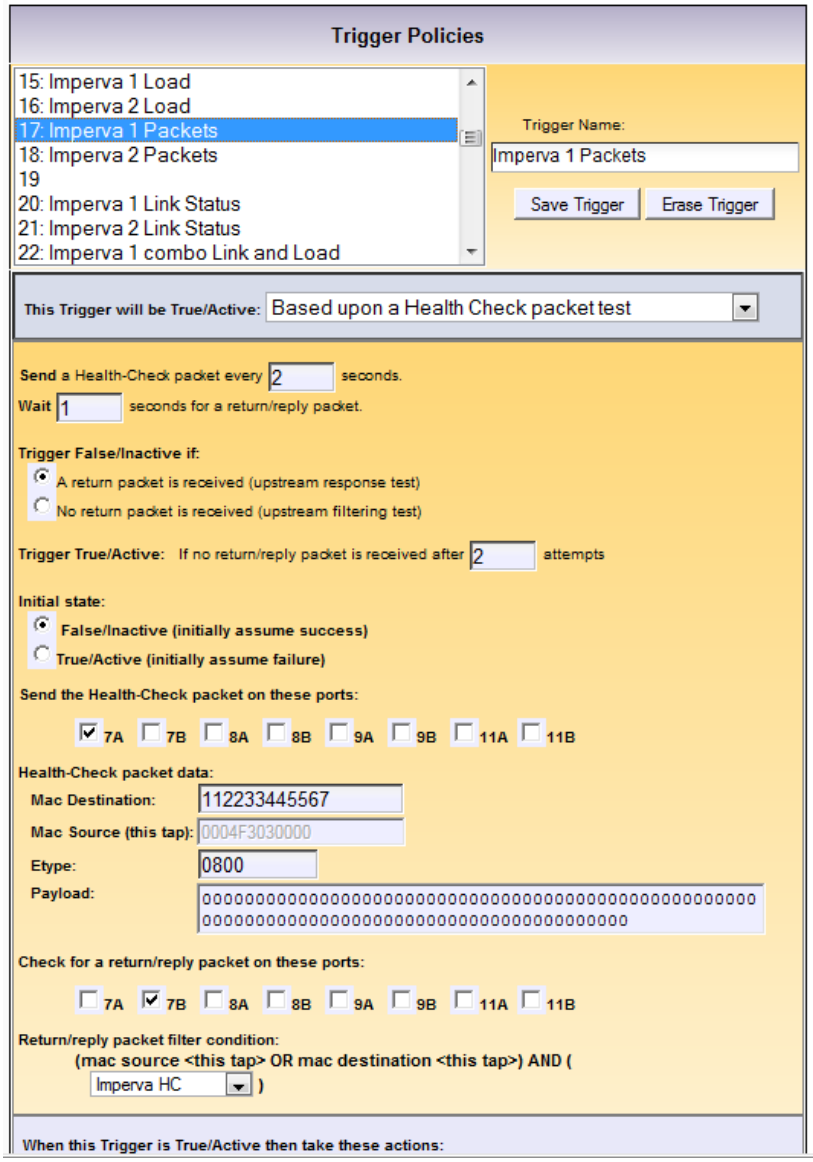
☐ 1A ☐ 1B ☐ 2A ☐ 2B ☐ 3A ☐ 3B ☐ 4A ☐ 4B ☐ 5A ☐ 5B ☐ 6A ☐ 6B
☐ 7A ☐ 7B ☑ 8A ☑ 8B ☐ 9A ☐ 9B ☐ 10A ☐ 10B ☐ 11A ☐ 11B ☐ 12A ☐ 12B

When this Trigger is True/Active then take these actions:

- ☑ **Apply any Monitor Settings or Bypass Settings which are conditioned on this Trigger.**
- ☑ **Send an SNMP Trap/Notification**
- ☑ **Send a Syslog message**
- ☐ **Turn on the front-panel Flag LED**
- ☐ **Disable the following ports (force link-down):**

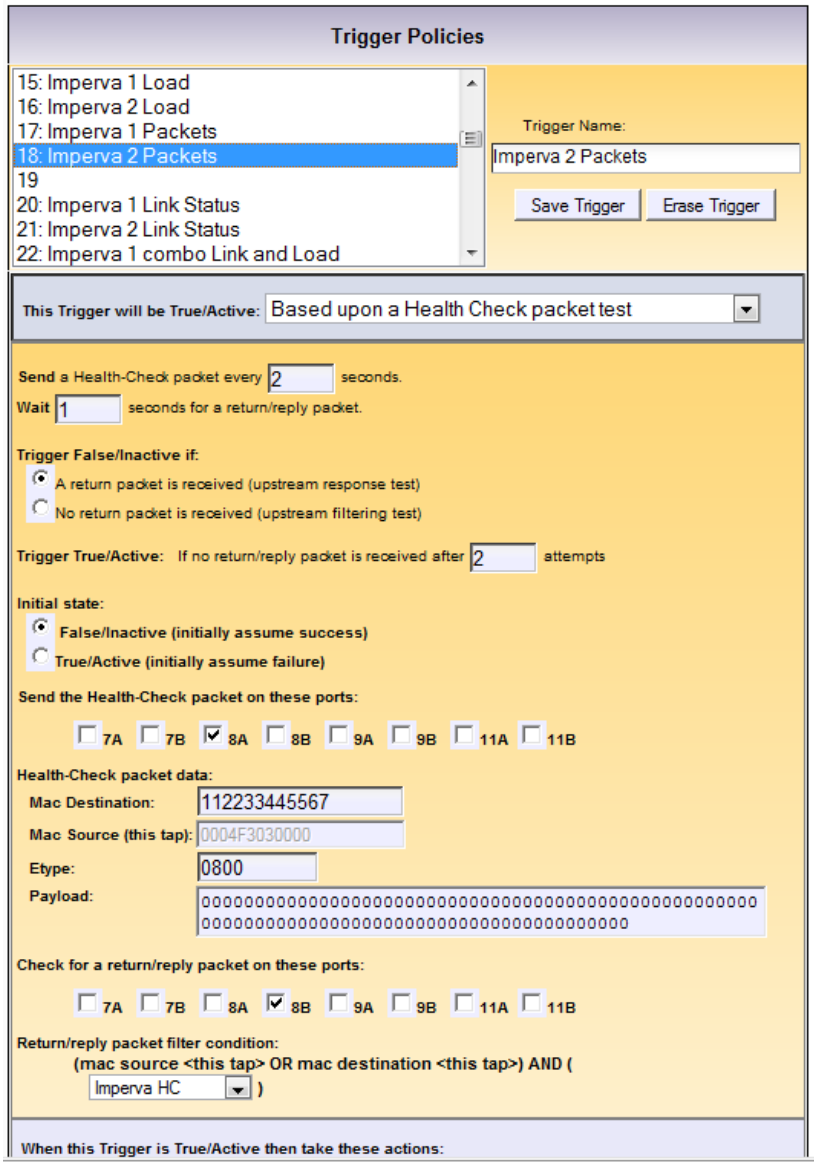
Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

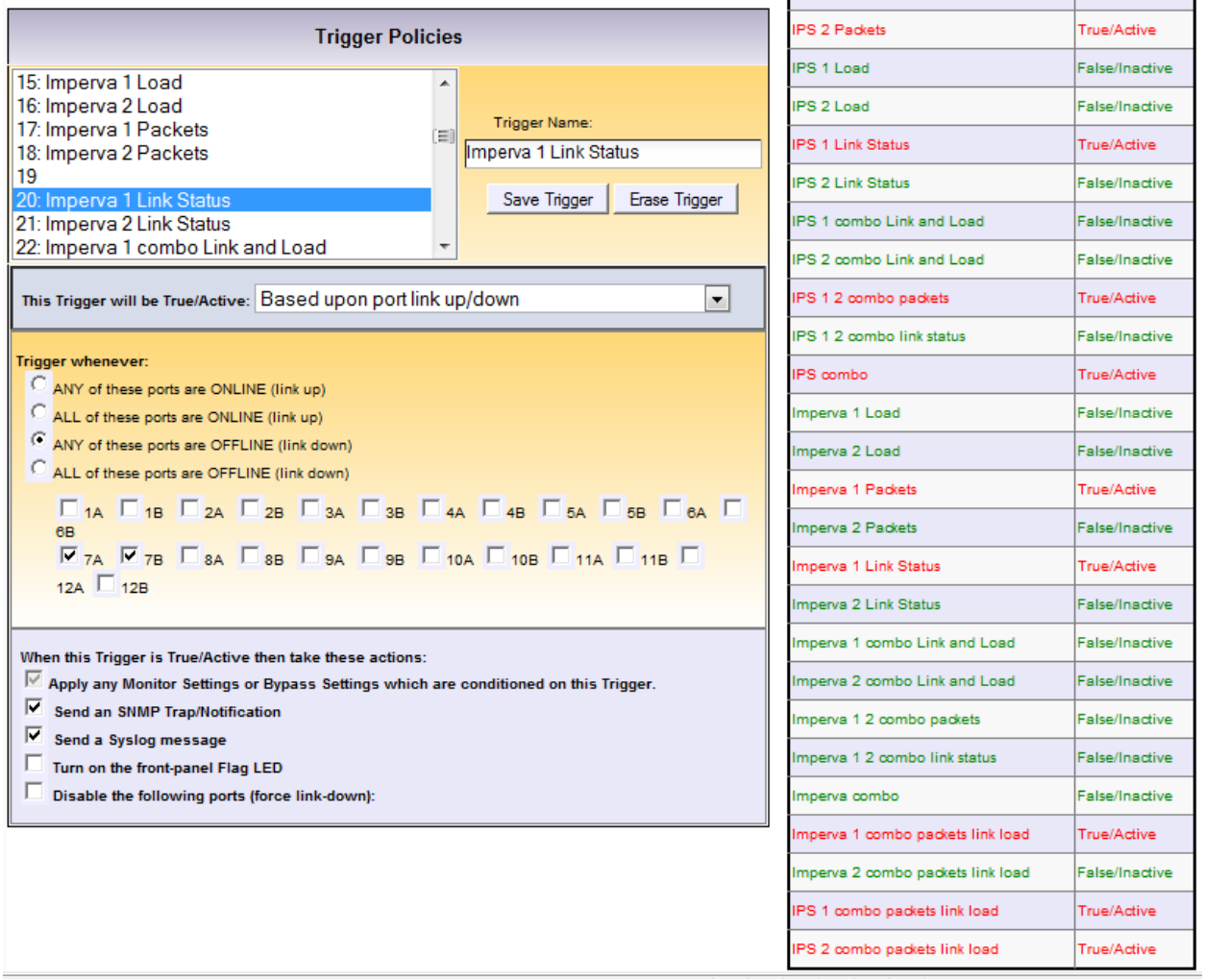


Current Trigger States

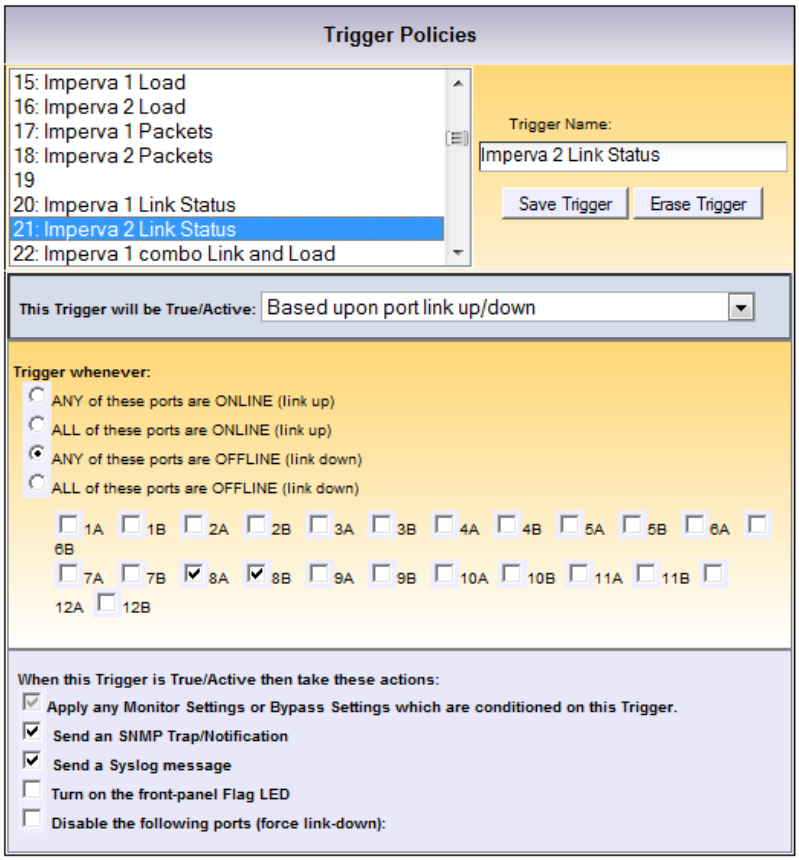
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



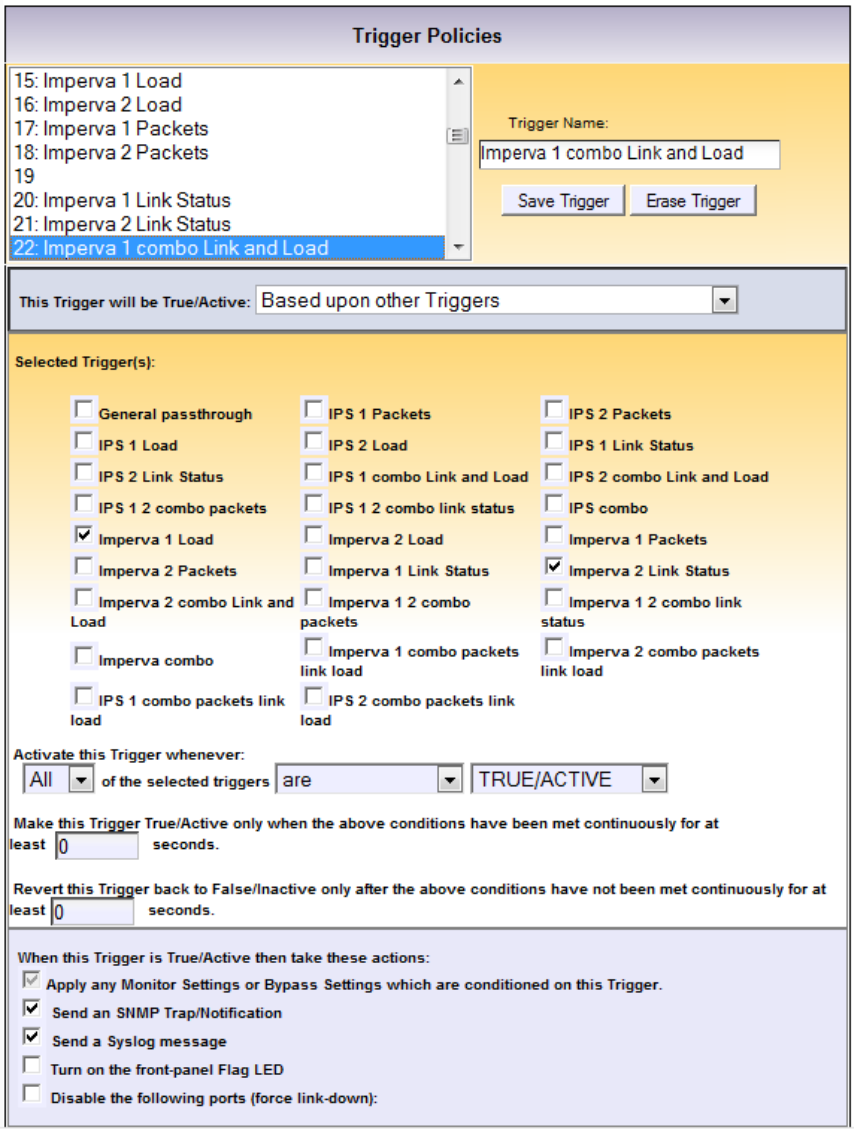
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



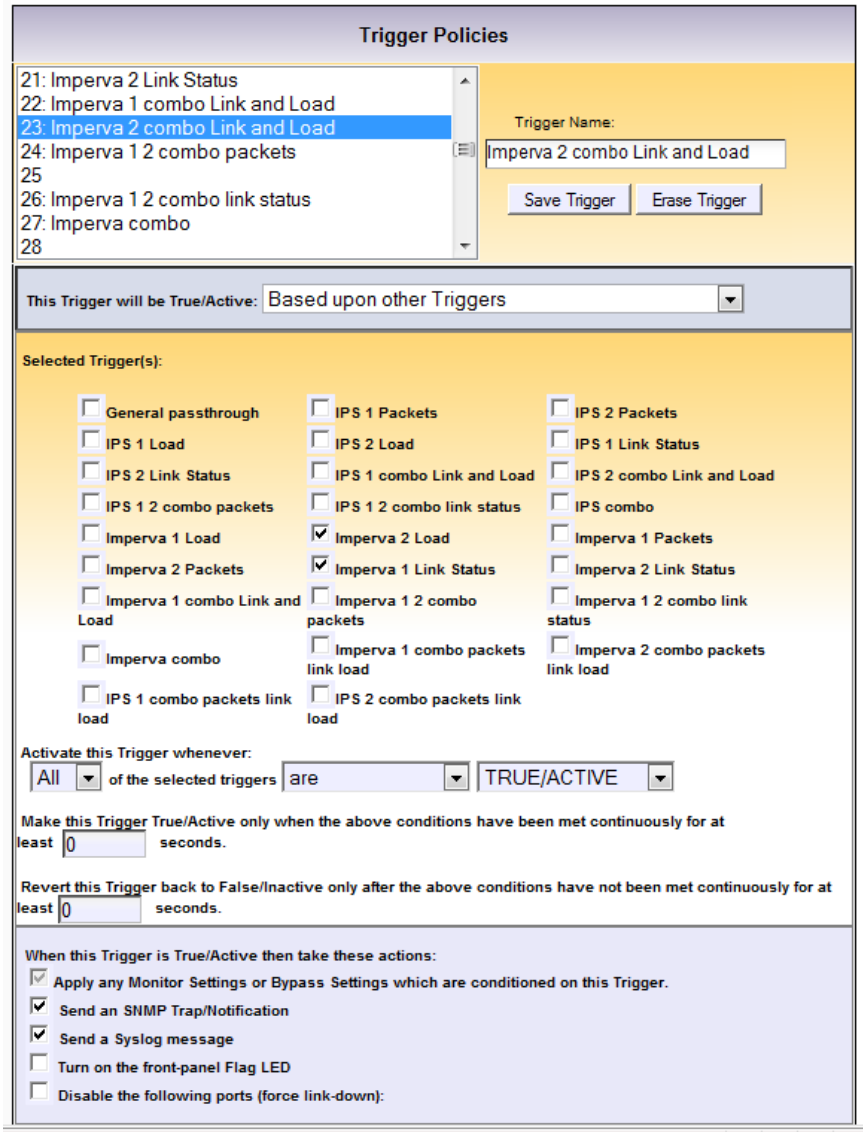
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

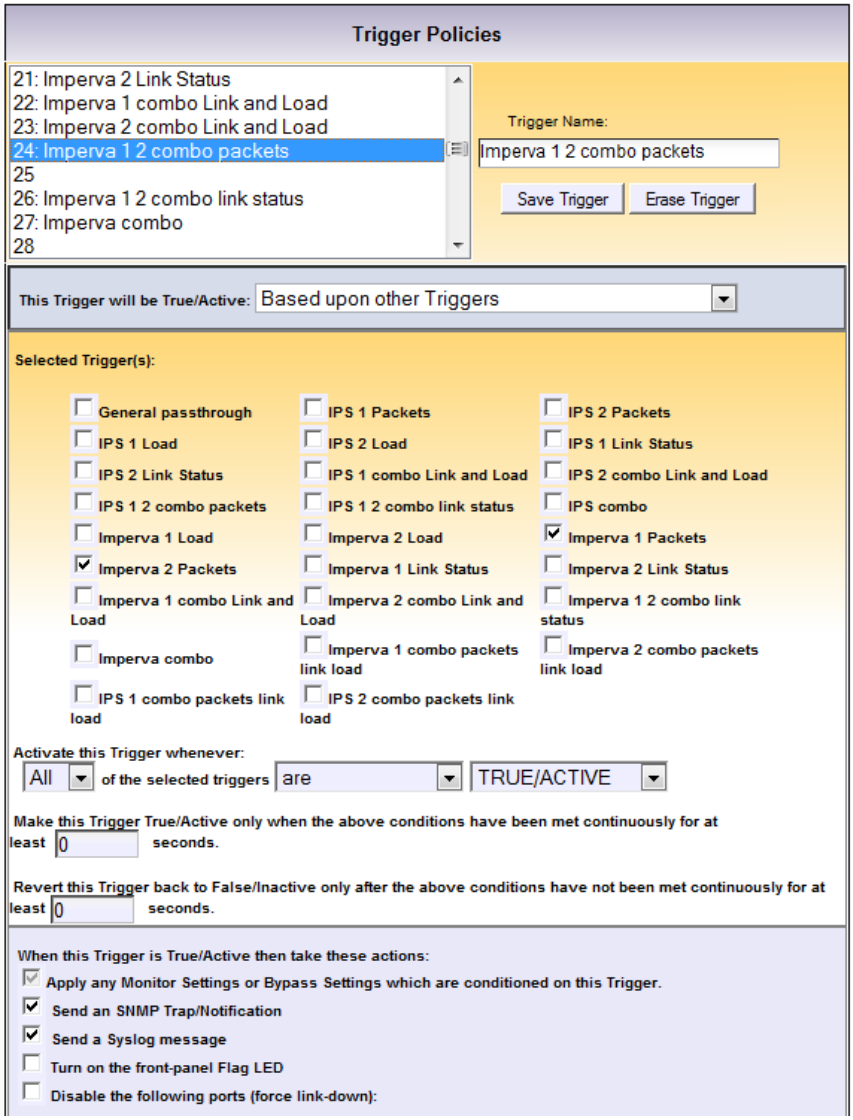


Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



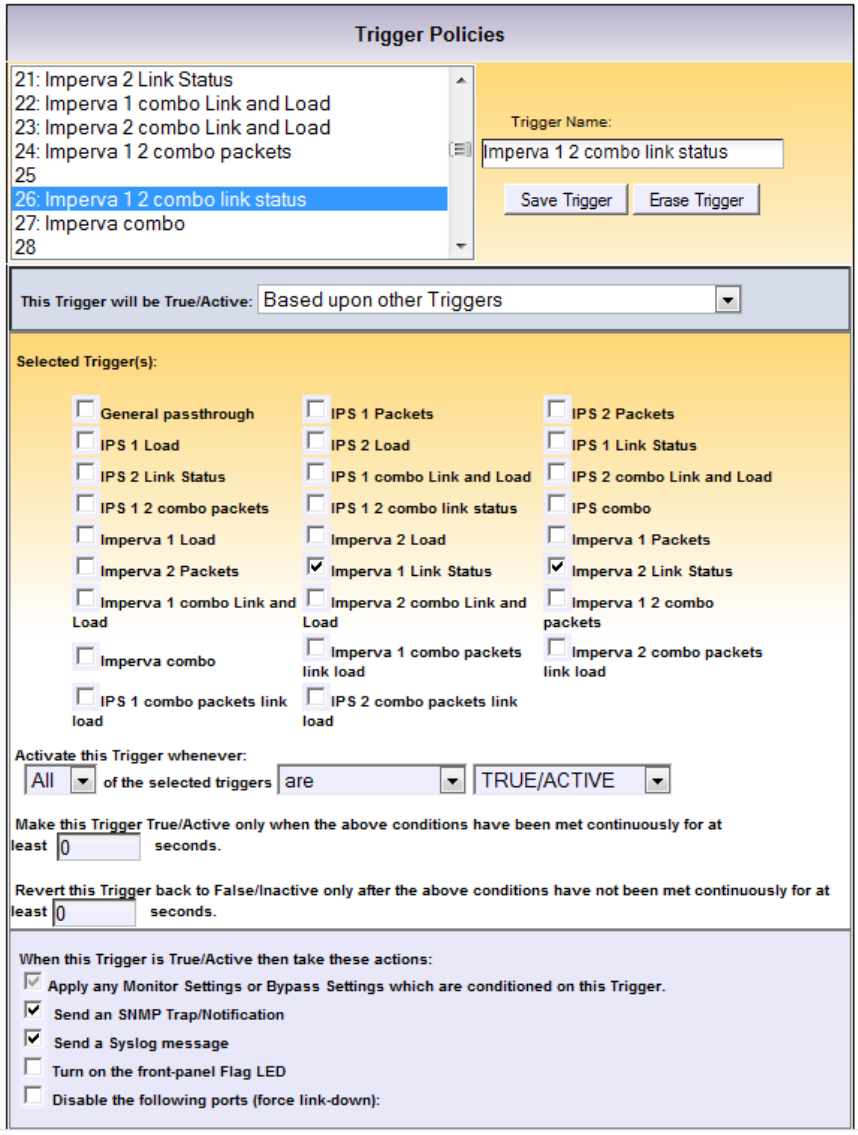
Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

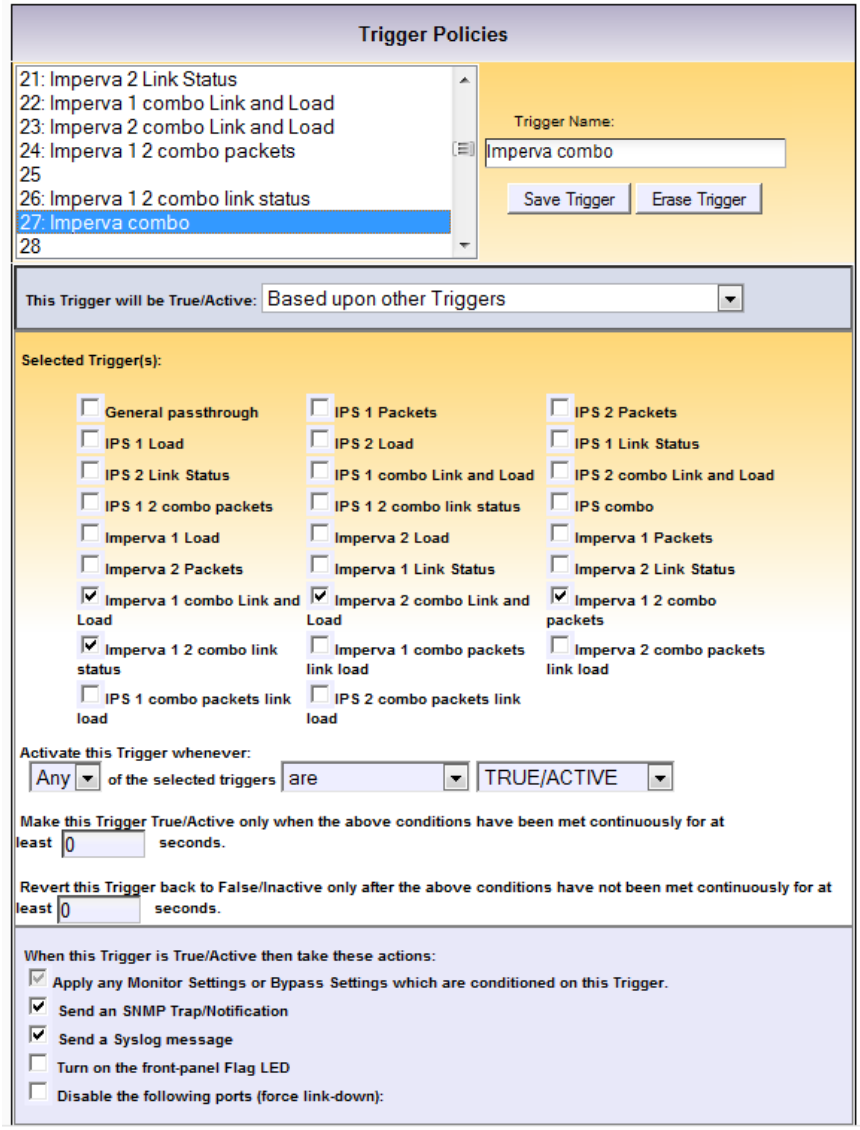


Current Trigger States

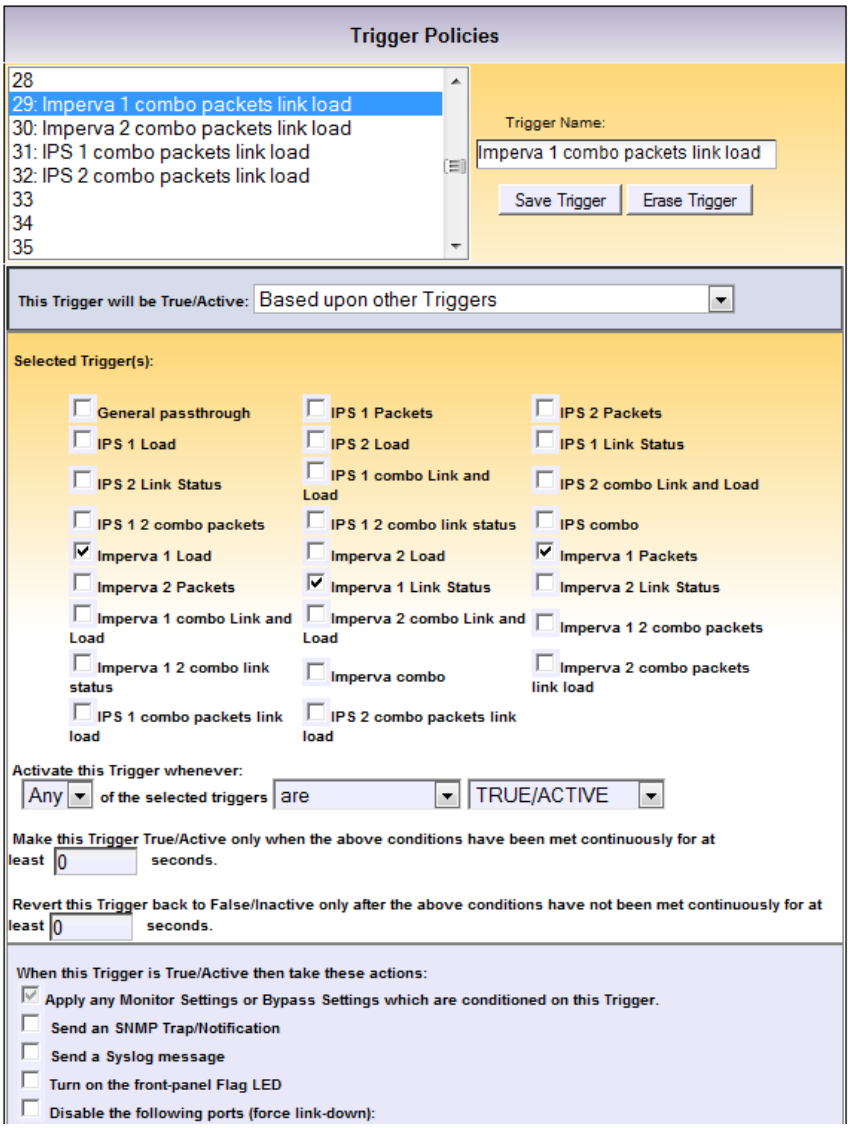
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



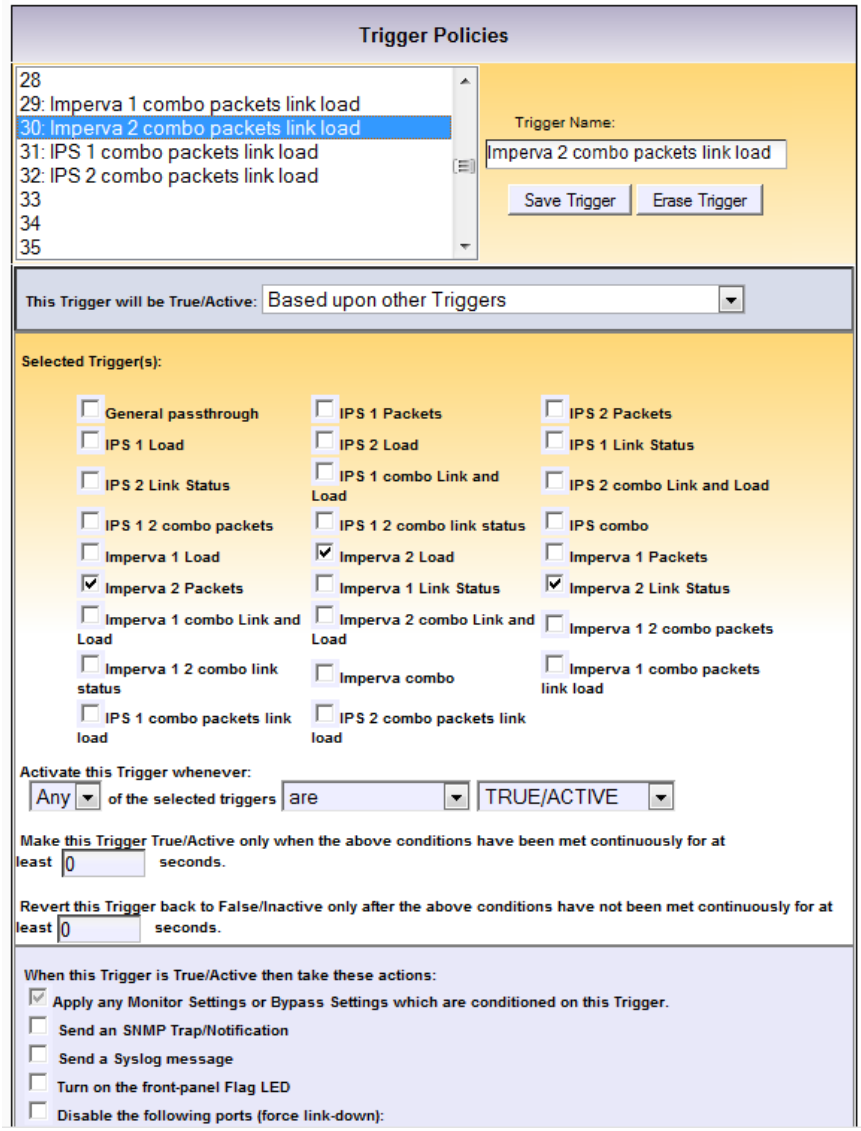
Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active

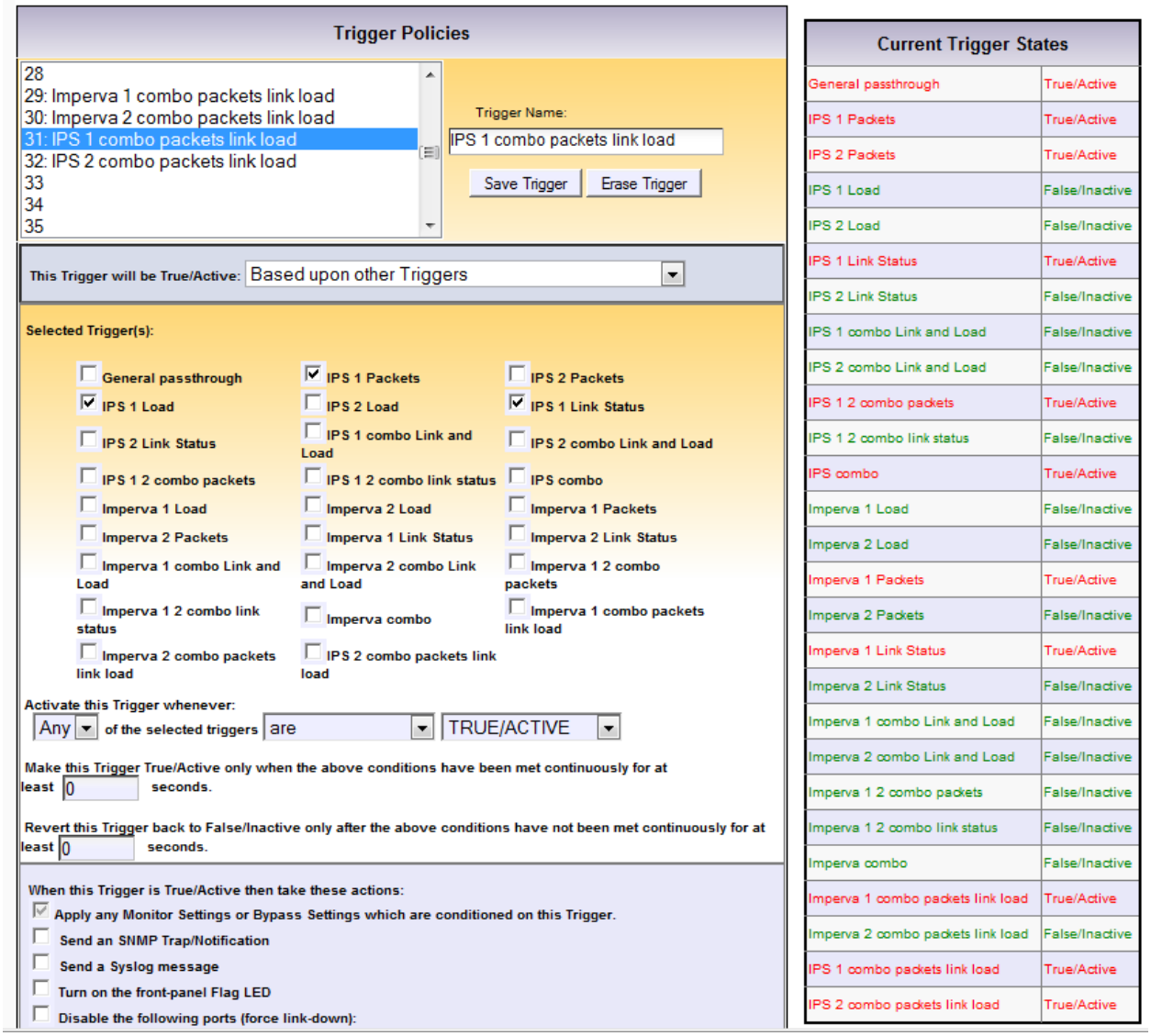


Current Trigger States	
General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



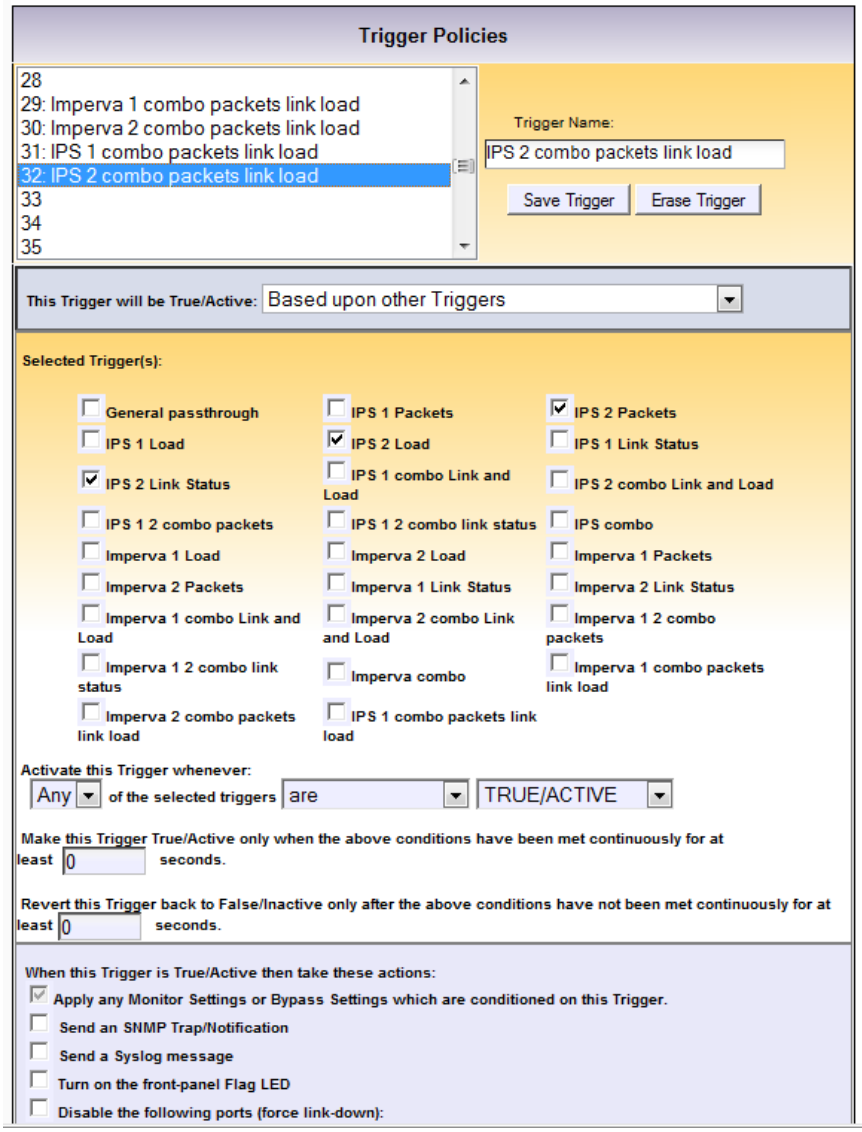
Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active



Current Trigger States

General passthrough	True/Active
IPS 1 Packets	True/Active
IPS 2 Packets	True/Active
IPS 1 Load	False/Inactive
IPS 2 Load	False/Inactive
IPS 1 Link Status	True/Active
IPS 2 Link Status	False/Inactive
IPS 1 combo Link and Load	False/Inactive
IPS 2 combo Link and Load	False/Inactive
IPS 1 2 combo packets	True/Active
IPS 1 2 combo link status	False/Inactive
IPS combo	True/Active
Imperva 1 Load	False/Inactive
Imperva 2 Load	False/Inactive
Imperva 1 Packets	True/Active
Imperva 2 Packets	False/Inactive
Imperva 1 Link Status	True/Active
Imperva 2 Link Status	False/Inactive
Imperva 1 combo Link and Load	False/Inactive
Imperva 2 combo Link and Load	False/Inactive
Imperva 1 2 combo packets	False/Inactive
Imperva 1 2 combo link status	False/Inactive
Imperva combo	False/Inactive
Imperva 1 combo packets link load	True/Active
Imperva 2 combo packets link load	False/Inactive
IPS 1 combo packets link load	True/Active
IPS 2 combo packets link load	True/Active