

# EdgeLens®

## Inline Security Packet Broker

User Guide By Garland Technology

INT10G8LR56 / INT10G8SR56



Garland Technology: Integrated Bypass System  
**Firmware Rev Level: 1.1.11**

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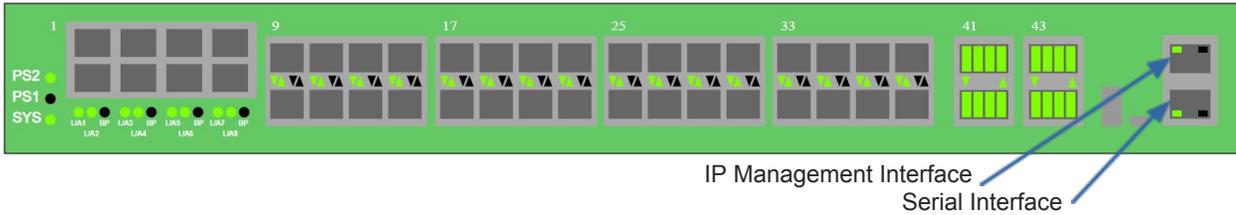
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## 1. INT10G8xx56 Dashboard



|                             |   |
|-----------------------------|---|
| PS2                         | - Power Supply 2 LED                      |
| PS1                         | - Power Supply 1 LED                      |
| SYS                         | - System LED                              |
| L/A1                        | - Link/Activity LED Network Port 1, TAP 1 |
| L/A2                        | - Link/Activity LED Network Port 2, TAP 1 |
| BP                          | - Bypass LED Tap 1                        |
| Up Arrow SFP Port 9         | - Link/Activity LED Bypass Port TAP 1     |
| Down Arrow SFP Port 10      | - Link/Activity LED Bypass Port TAP 1     |
| L/A3                        | - Link/Activity LED Network Port 3, TAP 2 |
| L/A4                        | - Link/Activity LED Network Port 4, TAP 2 |
| BP                          | - Bypass LED Tap 2                        |
| Up Arrow SFP Port 11        | - Link/Activity LED Bypass Port TAP 2     |
| Down Arrow SFP Port 12      | - Link/Activity LED Bypass Port TAP 2     |
| L/A5                        | - Link/Activity LED Network Port 5, TAP 3 |
| L/A6                        | - Link/Activity LED Network Port 6, TAP 3 |
| BP                          | - Bypass LED Tap 3                        |
| Up Arrow SFP Port 13        | - Link/Activity LED Bypass Port TAP 3     |
| Down Arrow SFP Port 14      | - Link/Activity LED Bypass Port TAP 3     |
| L/A7                        | - Link/Activity LED Network Port 7, TAP 4 |
| L/A8                        | - Link/Activity LED Network Port 8, TAP 4 |
| BP                          | - Bypass LED Tap 4                        |
| Up Arrow SFP Port 15        | - Link/Activity LED Bypass Port TAP 4     |
| Down Arrow SFP Port 16      | - Link/Activity LED Bypass Port TAP 4     |
| Up Arrows SFP Ports 17-39   | - Link/Activity LEDs                      |
| Down Arrows SFP Ports 18-40 | - Link/Activity LEDs                      |
| Up Arrow QSFP Ports 41-43   | - Link LED                                |
| Down Arrow QSFP Ports 42-44 | - Link LED                                |

## 2. INT10G8xx56 System



Select System to display or change the system options.



### General -

Displays the current general system configuration.

- |                    |  |
|--------------------|--|
| General            | - select to display the current chassis name and key press timeout |
| Edit Configuration | - select to change the chassis name or key press timeout           |
| Chassis Name       | - enter 1 to 32 characters   |
| Key Press Timeout  | - enter 60 to 3600 seconds, default 300                            |
| Save               | - select to save any changes                                       |
| Cancel             | - select to return to general system settings                      |

## User Settings -

Displays the current user configuration.

|                         |  |
|-------------------------|--|
| Username & Password     | - select to change the local GUI and serial port username and password (default=admin/gtadmin1). Cannot change if logged in via TACACS |
| Authentication Settings | - select to change the login authentication settings   |
| Local Authentication    | - enabled by default, may be disabled if TACACS authentication is enabled  |
| TACACS Authentication   | - select to enable TACACS authentication   |
| IP Address              | - enter the TACACS server IP address   |
| Secret Word             | - enter to use a key on the TACACS server (3-20 characters)  |
| Save                    | - select to save any changes   |
| Cancel                  | - select to return to user settings  |
| TACACS Test             | - select to test the TACACS authentication   |
| Username                | - enter the username defined in the TACACS server  |
| Password                | - enter the password defined in the TACACS server  |
| Test                    | - select to verify username/password authentication to the TACACS server   |
| TACACS Ping             | - select to ping the TACACS server IP address  |

## Network Settings -

Displays the current network configuration.

|               |  |
|---------------|--|
| Edit Settings | - select to change the network settings  |
| Enable DHCP   | - select to enable DHCP  |
| IP Address    | - displays the management IP address defined at turn up. If desired a new management IP address may be entered |
| Mask          | - displays the mask defined at turn up. If desired a new mask may be entered                                   |
| Gateway       | - displays the gateway defined at turn up. If desired a new gateway may be entered                             |
| DNS1          | - enter the desired DNS1 server  |
| DNS2          | - enter the desired DNS2 server  |
| Save          | - select to save any changes   |
| Cancel        | - select to return to network settings   |

### **Date & Time -**

Displays the current date and time configuration.

|               |  |
|---------------|--|
| Edit Settings | - select to change the network settings                                      |
| Timezone      | - displays the current timezone. May be changed by using the pull down panel |
| UTC           | - displays the utc. May be changed by using the pull down panel              |
| NTP           | - select to enable NTP timing  |
| Use Pool      | - select to use a pool for NTP timing  |
| IP Address    | - enter the IP address for the NTP server used for NTP timing                |
| Save          | - select to save any changes   |
| Cancel        | - select to return to date & time settings                                   |

### **Syslog -**

Displays the current syslog configuration.

|                      |  |
|----------------------|--|
| Edit Settings        | - select to change the syslog configuration  |
| Enable Syslog Config | - select to enable syslog  |
| Unit ID              | - enter the unit ID for syslog messages, optional  |
| Protocol             | - displays the current protocol, default UDP. May be changed to TCP by using the pull down panel |
| IP Address           | - displays the current syslog server. If desired a new syslog server may be entered              |
| Port                 | - displays the current udp/tcp port, default 514. If desired a new port number may be entered    |
| Save                 | - select to save any changes   |
| Cancel               | - select to return to syslog configuration   |

### Snmp -

Displays the current SNMP configuration.

|                       |   |
|-----------------------|---|
| Edit Configuration    | - select to change the snmp configuration   |
| Enable SNMP Config    | - select to enable snmp   |
| Access Port           | - displays the current access port, default 161. If desired a new port number may be entered  |
| Trap Port             | - displays the current trap port, default 162. If desired a new port number may be entered  |
| Trap IP Address       | - displays the current snmp server. If desired a new snmp server may be entered   |
| Protocol              | - displays the current protocol, default V2 Read/Write. If desired the protocol may be changed to V2 Read Only or V3 by using the pull down panel |
| V2 Community Password | - the default is gtpublic, but not visible. If desired a new V2 community password may be entered   |

If the protocol was changed to V3 the following options will appear. The unit supports snmp V3 MD5 and DES.

|              |  |
|--------------|--|
| V3 User      | - enter the snmp V3 username, 8-20 characters                |
| V3 Auth Pass | - enter the snmp V3 authentication password, 8-20 characters |
| V3 Priv Pass | - enter the snmp V3 privacy password, 8-20 characters        |
| Save         | - select to save any changes                                 |
| Cancel       | - select to return to snmp configuration                     |

### Export Configuration -

Provides the ability to download the unit's configuration. The date/time and network settings are excluded. The download path is determined by the browser.

|                      |  |
|----------------------|--|
| Export Configuration | - select to to download the current configuration. |
| GREEN Export         | - select to start download                         |

### Import Configuration -

Provides the ability to upload a new configuration file to the unit. This will overwrite the unit's current configuration excluding the date/time and network settings.

|                      |   |
|----------------------|---|
| Import Configuration | - select to upload a configuration file to the unit         |
| Choose File          | - select to choose the configuration file                   |
| Upload               | - select to upload the configuration file                   |
| Restart Import       | - select to choose a different configuration file or cancel |
| Configure            | - select to load the configuration file on the unit         |

### Software Upgrade -

Provides the ability to upgrade the unit's firmware. All of the existing configurations will be saved to the new firmware.

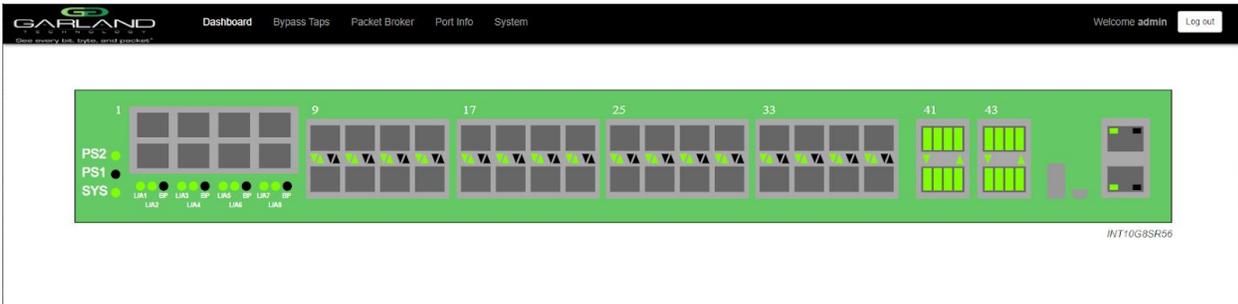
- |                  |   |
|------------------|---|
| Software Upgrade | - select to upgrade the unit's firmware           |
| Choose File      | - select to choose the firmware                   |
| Reset            | - select to choose a different firmware or cancel |
| Upload           | - select to load the firmware on the unit.        |

### Reboot -

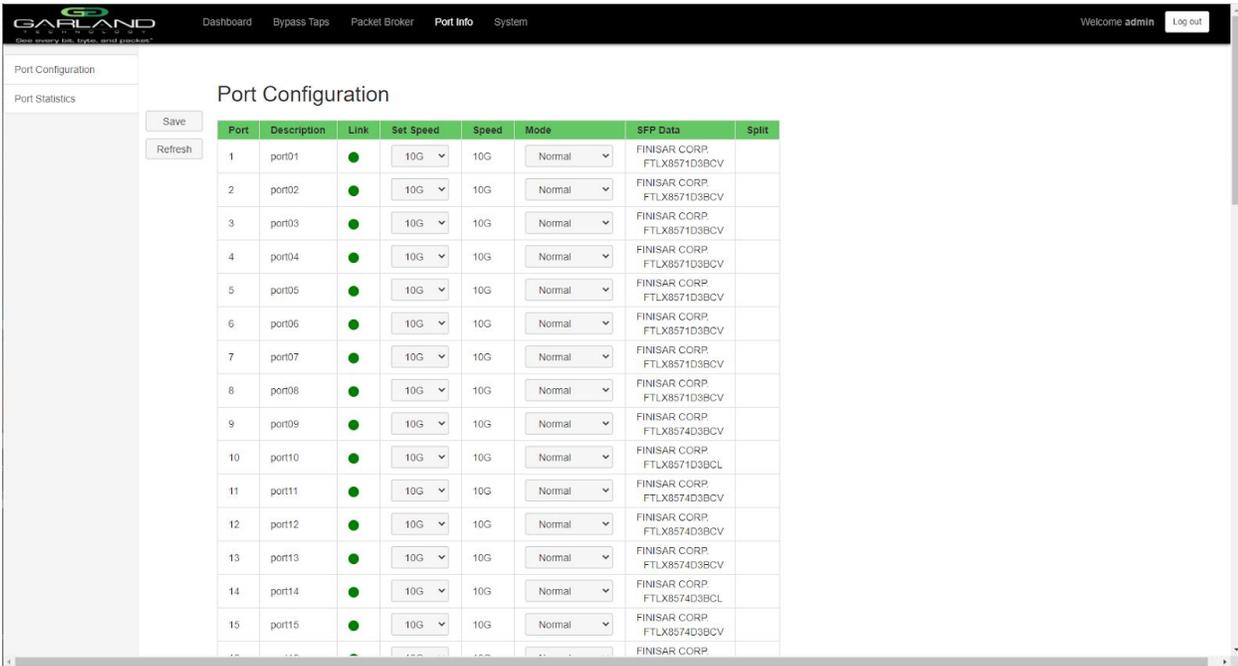
Provides the ability to reboot the unit. This will affect traffic for @ 15 seconds.

- |        |                             |
|--------|-----------------------------|
| Reboot | - select to reboot the unit |
| Reboot | - select to reboot the unit |

### 3. INT10G8xx56 Port Info



Select Port Info to display or change port configuration and display port statistics.



## Port Configuration -

Displays the current port configurations.

|                  |  |
|------------------|--|
| Port             | - displays the physical port number  |
| Description      | - displays the current port descriptions, default port01 to port44   |
| port01-port044   | - select port 01-44 in the description column to change the port's description.  |
| Edit Description | - enter the new port description, (1 to 32 characters)   |
| Set              | - select to save the new description   |
| Cancel           | - select to cancel and return to port configurations   |
| Link             | - displays the current port link status. GREEN port has link. RED port does not have link.   |
| Set Speed        | - displays the current port speed, default 10G. Use the pull down panel to change the port speed to 1G.  |
| Speed            | - displays current port speed  |
| Mode             | - select the pull down panel to change the port mode, default=Normal. The port mode options include: Normal, Loopback, Listen Only and Force Link. |
| SFP Data         | - displays the manufacturer and part number of a SFP or QSFP inserted into the unit. Not all SFPs or QSFPs support this function                   |
| Split            | - displays the current status of the QSFP ports 41-44. By default the QSFP ports are 40G. These ports may be split into 4x10G.                     |
| Save             | - select to save any changes   |
| Refresh          | - select to refresh the port configurations  |

Splitting 40G ports.

Scroll down to the QSFP ports 41-44.  
 Select the box in the Split column for the port.  
 Select Save

Unsplitting 40G ports.

Scroll down to the QSFP ports 41-44.  
 Deselect the box in the Split column for the port.  
 Select Save

| Port | Receive Packets | Receive Discards | Receive Errors | Transmit Packets | Transmit Discards | Transmit Errors |
|------|-----------------|------------------|----------------|------------------|-------------------|-----------------|
| 01   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 02   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 03   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 04   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 05   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 06   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 07   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 08   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 09   | 13042           | 0                | 0              | 13042            | 0                 | 0               |
| 10   | 13042           | 0                | 0              | 13042            | 0                 | 0               |
| 11   | 13042           | 0                | 0              | 13042            | 0                 | 0               |
| 12   | 13042           | 0                | 0              | 13042            | 0                 | 0               |
| 13   | 13042           | 0                | 0              | 13042            | 0                 | 0               |
| 14   | 13042           | 0                | 0              | 13042            | 0                 | 0               |
| 15   | 13042           | 0                | 0              | 13042            | 0                 | 0               |
| 16   | 13042           | 0                | 0              | 13042            | 0                 | 0               |
| 17   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 18   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 19   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 20   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 21   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 22   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 23   | 0               | 0                | 0              | 0                | 0                 | 0               |
| 24   | 0               | 0                | 0              | 0                | 0                 | 0               |

### Port Statistics -

Displays the current port statistics. The statistics do not automatically refresh. Select Refresh to update the statistics.

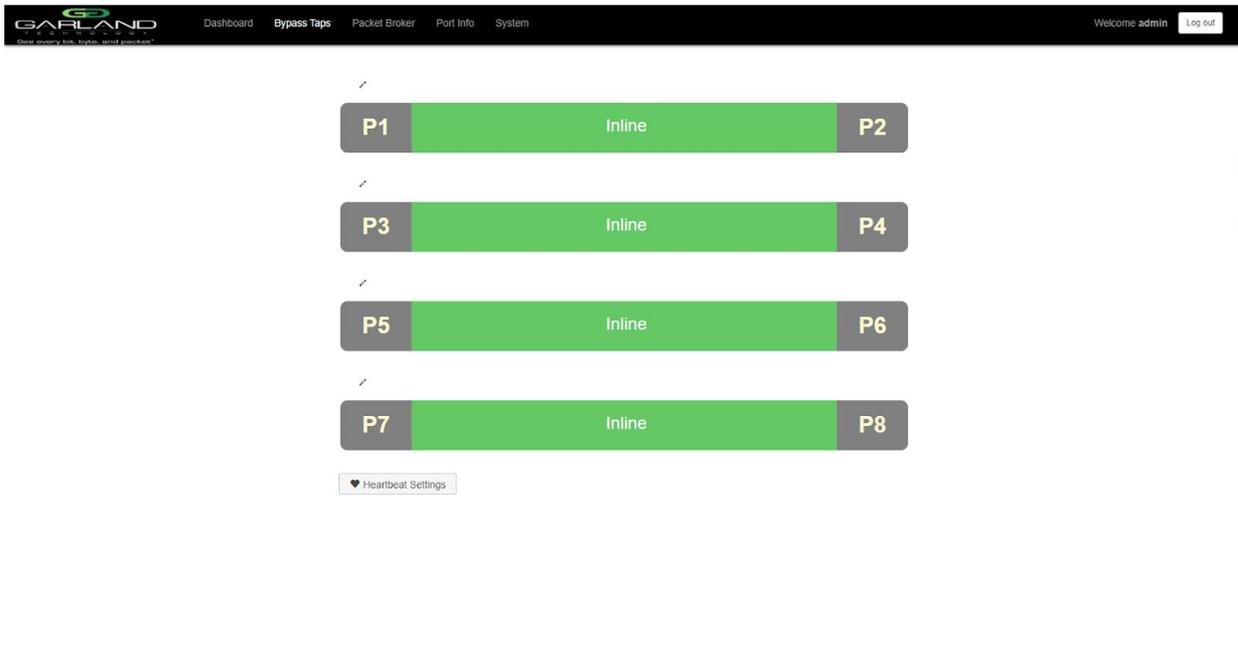
- Port - displays the physical port number
- Receive Packets - displays the number of receive packets
- Receive Discards - displays the number of receive packets discarded
- Receive Errors - displays the number of receive packet errors
- Transmit Packets - displays the number of transmit packets
- Transmit Discards - displays the number of transmit packets discarded
- Transmit Errors - displays the number of transmit packet errors
- Refresh - select to update the port statistics
- Clear - select to clear and refresh the port statistics

## 4. INT10G8xx56 Bypass Taps



Bypass Taps - select Bypass Taps

Provides access to display or change the bypass tap settings, the Heartbeat per second rate and the number of lost heartbeats



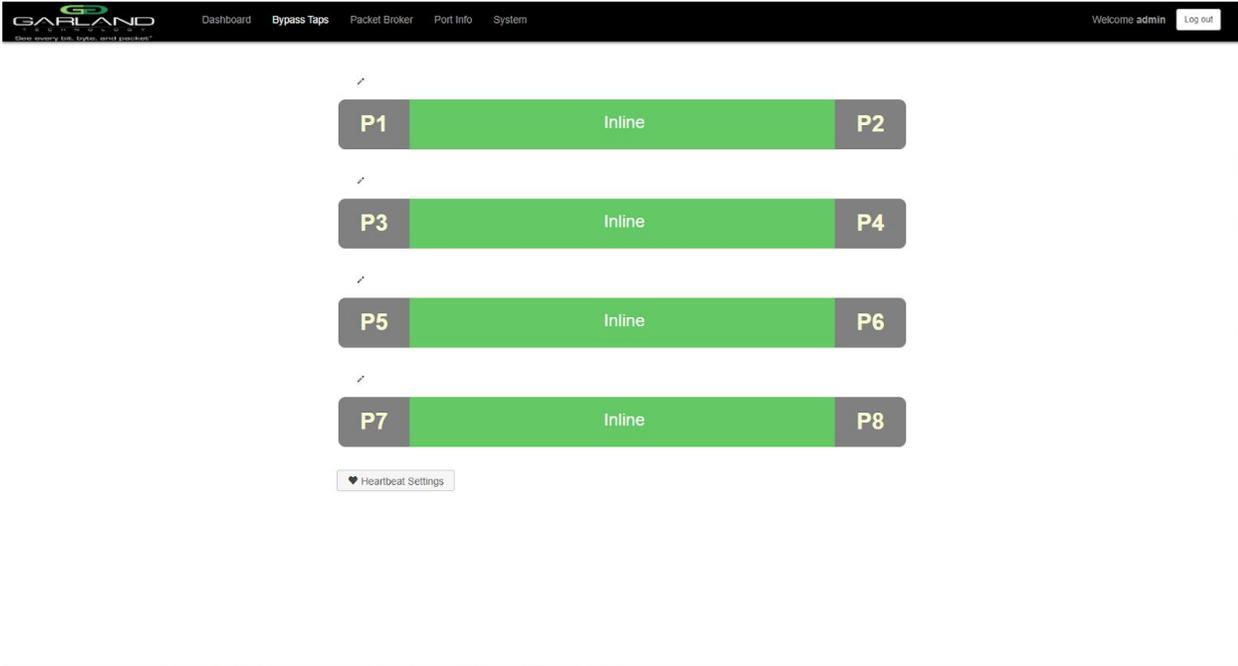
Displays the current tap status.

|                                 |  |
|---------------------------------|--|
| P1                              | - Network Port 1, Tap 1  |
| P2                              | - Network Port 2, Tap 1  |
| P3                              | - Network Port 3, Tap 2  |
| P4                              | - Network Port 4, Tap 2  |
| P5                              | - Network Port 5, Tap 3  |
| P6                              | - Network Port 6, Tap 3  |
| P7                              | - Network Port 7, Tap 4  |
| P8                              | - Network Port 8, Tap 4  |
| Tap 1-4 Colored Area            | - displays the current tap status. The tap status conditions include, GREEN Inline, RED Bypass, GREEN Inline (Forced), RED Bypass (Forced) |
| Edit Pencil                     | - select to add a description for each tap   |
| Description box                 | - enter the desired tap description, 1-15 characters   |
| Check                           | - select to save the new tap description   |
| No                              | - select to discard changes and close tap description  |
| Heartbeat Settings              | - select to display or change the heartbeat settings. The heartbeat settings control taps 1-4  |
| No. Of Lost HB Packets (10-500) | - defines the number of heartbeats that must be lost for the tap to switch from inline to bypass   |
| Heartbeats per second (10-500)  | - defines the number of heartbeats that are sent per second  |

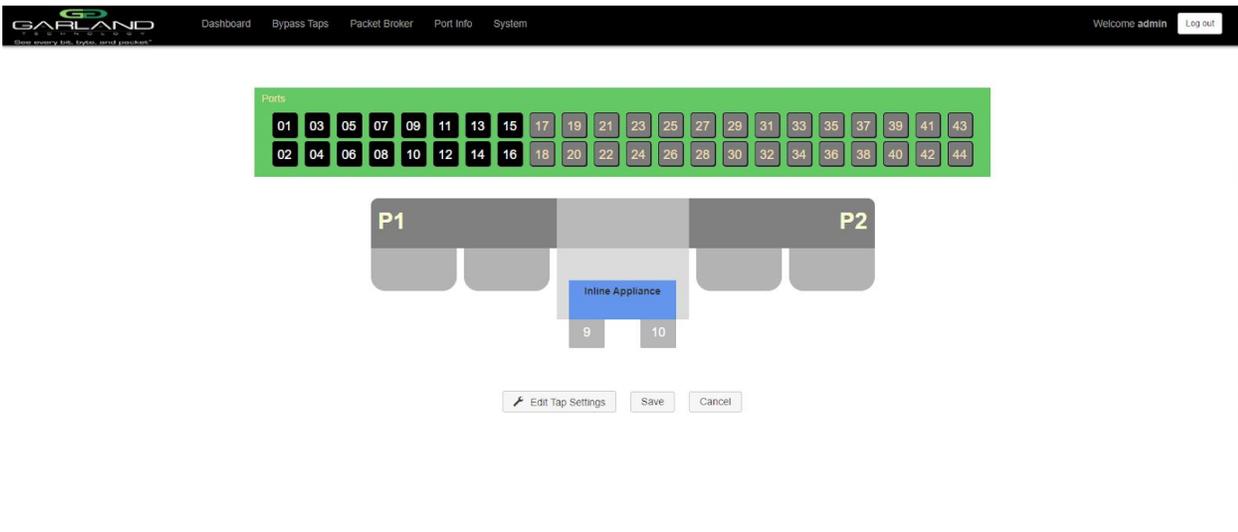
### Tap Settings -

Changes to any tap may be made individually. The settings include:

|                |                                    |
|----------------|------------------------------------|
| Tap Modes      | Active, Force Bypass, Force inline |
| Fail Mode      | Open, Closed                       |
| LFP            | enable/disable                     |
| Reverse Bypass | enable/disable                     |



Change a tap's settings, place the cursor on the desired tap and double press the left mouse button. The tap panel will appear, Tap 1 in this example.



- P1 - Network Port 1, Tap 1
- P2 - Network Port 2, Tap 1
- 9 - Inline Appliance (bypass) Port, Tap 1
- 10 - Inline Appliance (bypass) Port, Tap 1
- Edit Tap Settings - select to display or change the current tap settings
- Save - select to save changes to the tap settings
- Cancel - select to disregard changes to the tap settings and return to bypass tap

- Edit Tap Settings - select to display or change the current tap settings

The default settings:

- TAP Modes - Active
- Fail Mode - Open
- Enable LFP - disabled
- Reverse Bypass - disabled

**Configure Inline Appliance** [X]

All form fields are required.

**TAP Modes**

- Active
- Force Bypass
- Force Inline

**Fail Mode**

- Open
- Closed

Enable LFP

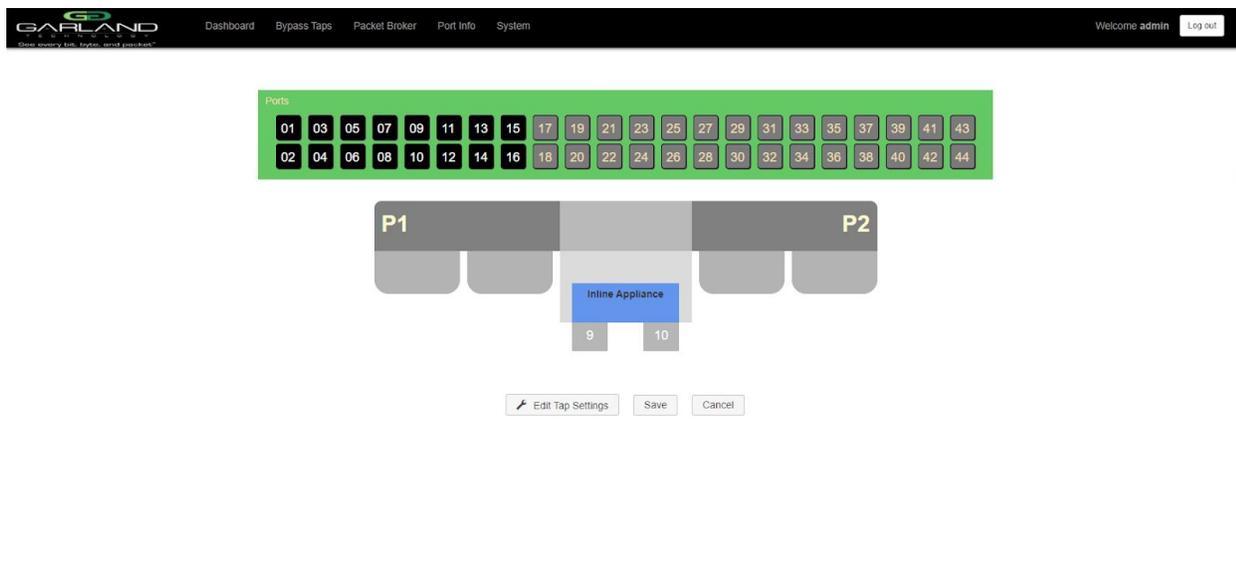
Reverse Bypass

Accept Cancel

Change the tap by selecting the new setting(s).

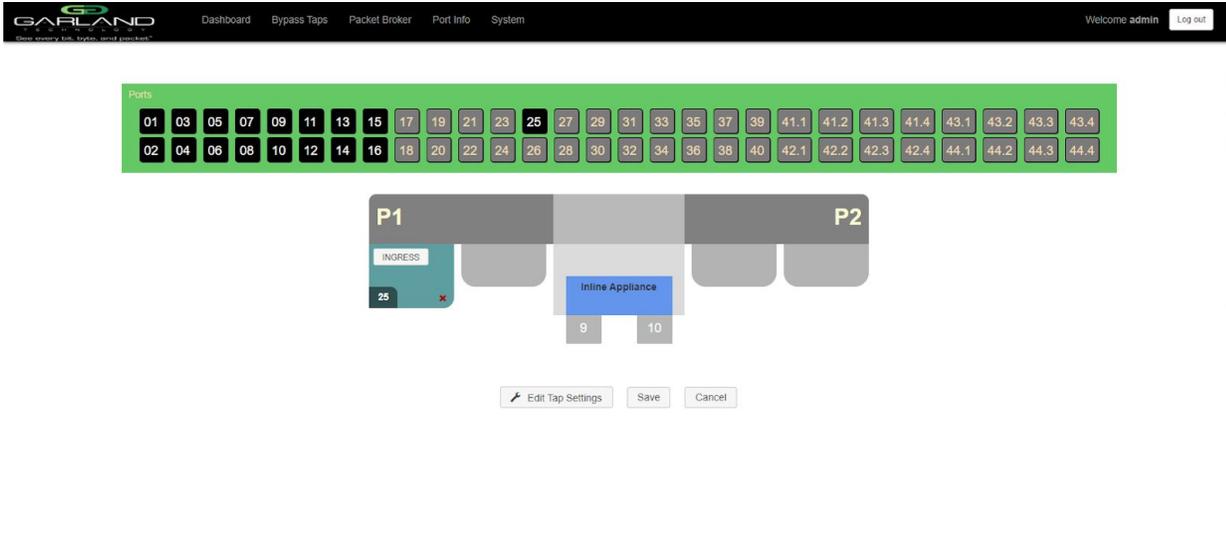
- Accept - select to change the tap to the new settings. After selecting accept the tap display will appear. Save must be selected on tap display for the new tap settings to be saved
- Cancel - select to disregard tap changes or keep original settings and return to the tap display

### Monitor Ports -



Monitor ports may be added to any tap. Each tap may have up to two monitor ports per network port, total of four monitor ports per tap. The monitor ports may be added to monitor the traffic on one or both network ports, to monitor the ingress, egress or both (ingress and egress). If a monitor port is defined as both (ingress and egress), it could be oversubscribed if the ingress and egress bandwidths of a network port exceeds 10G.

Create a monitor port by placing the cursor on the desired port above the tap. Press the left mouse button and hold to select the port. Drag the port to the desired network port. The default of any monitor port is ingress. Change the monitor port traffic by placing the cursor on the ingress panel and press the left mouse button. Additional monitor ports may be added using the same procedure.



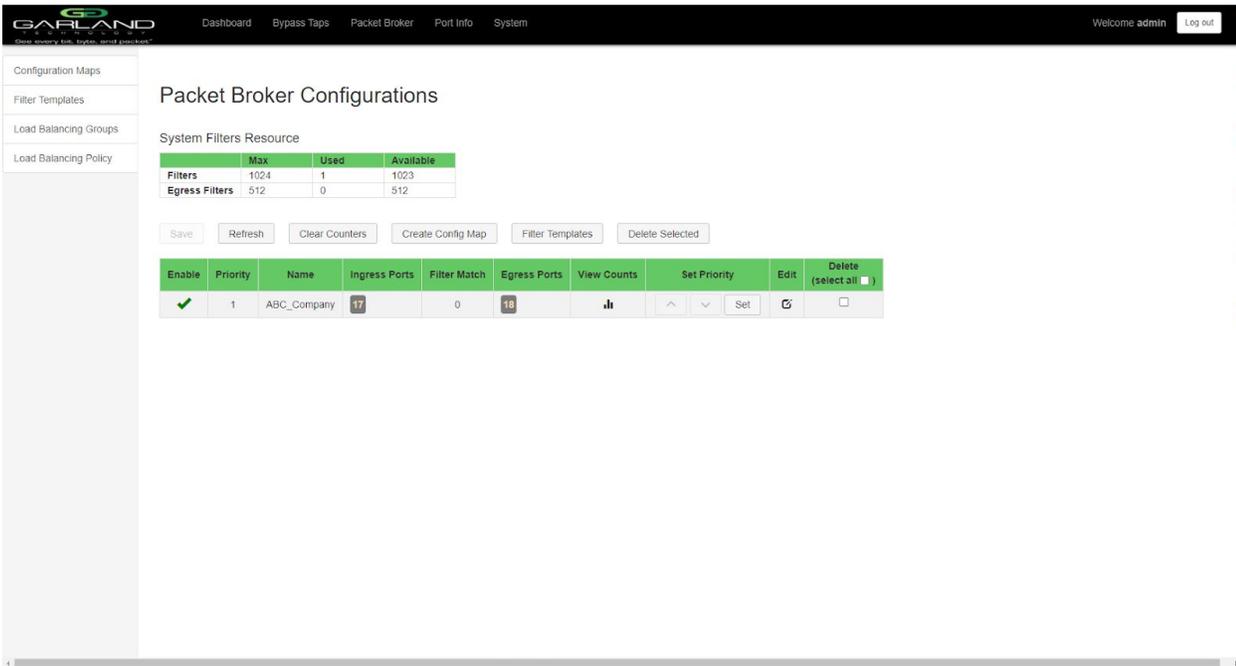
- Save - select to change the tap to the new settings. After selecting save the tap display will appear. Save must be selected on tap display for the new tap settings to be saved
- Cancel - select to disregard tap changes or keep original settings and return to the tap display

## 5. INT10G8xx56 Packet Broker



Packet Broker - select Packet Broker

Provides access to create, display or change, Filter Templates, Load Balance Groups, Load Balance Policy, Config Maps, Filters, Egress Filters or Stats.



Displays the current packet broker configurations.

### System Filters Resource -

|                          |  |
|--------------------------|--|
| Filters Max              | - displays the maximum number of filters for the unit, 1024            |
| Filters Used             | - displays the number of filters assigned to config maps, 0-1024       |
| Filters Available        | - displays the number of filters available for the unit, 1024-0        |
| Egress Filters Max       | - displays the maximum number of egress filters for the unit, 512      |
| Egress Filters Used      | - displays the number of egress filters assigned to config maps, 0-512 |
| Egress Filters Available | - displays the number of egress filters available for the unit, 512-0  |

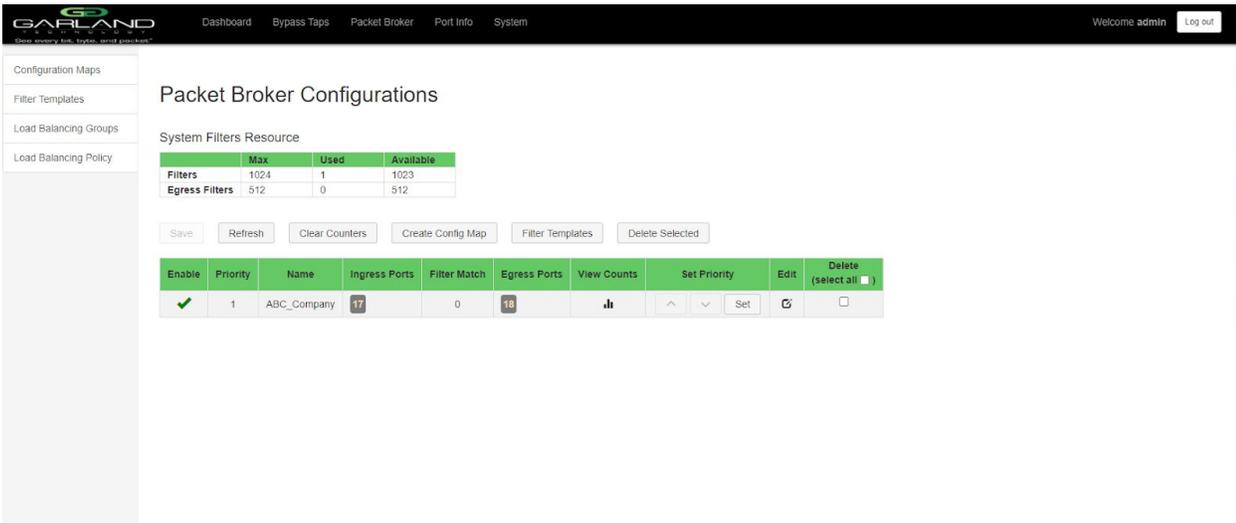
### Configuration Map Options -

|                     |   |
|---------------------|---|
| Save                | - select to save config maps in enabled/disabled state  |
| Refresh             | - select the update filter match stats  |
| Clear Counters      | - select to clear and update filter match stats. Also clears and updates port stats   |
| Create Config Map   | - select to create a new config map   |
| Filter Templates    | - select to navigate to the Filter Templates display  |
| Delete Selected     | - select to delete selected config map(s)   |
| Enable              | - select to change a config map status, enable/disable. The save must be selected to save the status  |
| Priority            | - displays the config map priority. 1 is the highest priority.  |
| Name                | - displays the config map name  |
| Ingress Ports       | - displays the ingress port(s) for the config map   |
| Filter Match        | - displays the numbers of packets that have matched the filter applied to the config map  |
| Egress Port         | - display the egress port(s) for the config map   |
| View Counts         | - select to display the packet counts for the ingress port, filter and egress port for the config map   |
| Set Priority        | - select the up arrow to change the config map to a higher priority. Use the down arrow to change the config map to a lower priority. Select the set to enter a priority number for the config map  |
| Edit                | - select to add/change/remove the config map name, add/change/remove the config map description, add/remove load balance group(s) on the config map, add/remove ingress port(s) on the config map, add/change/remove filter(s) on the config map, add/remove egress port(s) on the config map or add/change/remove egress filter(s) on the egress port(s) on the config map |
| Delete (select all) | - select to delete selected config maps   |

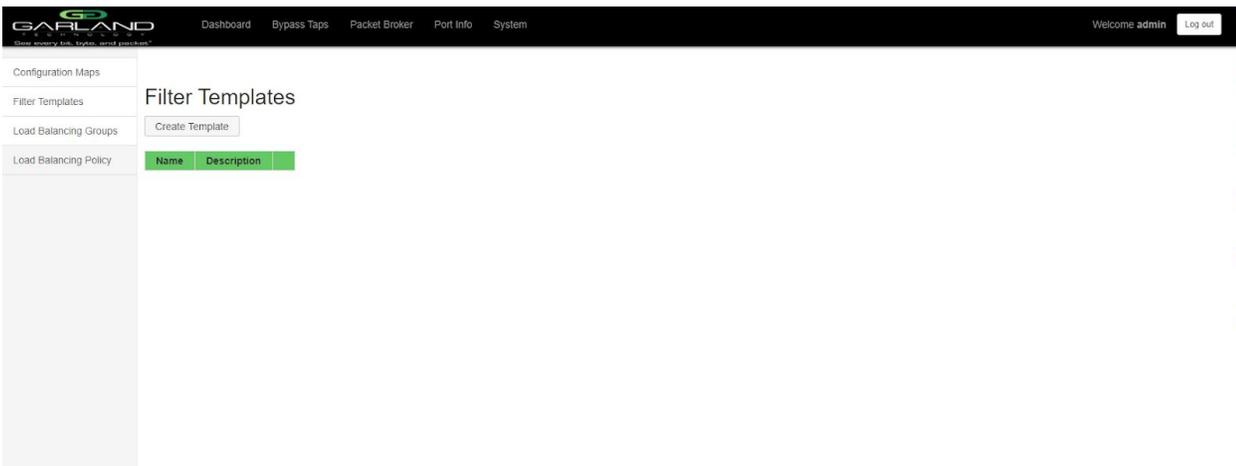
**Navigation Options -**

- Filter Templates - select to navigate to the filter template display
- Load Balance Groups - select to navigate to the load balance display
- Load Balance Policy - select to navigate to the load balance policy display

**Filter Templates -**



Any previously created filter templates will be displayed.



- Create Template - select to create a new filter template

The Create New Filter Template panel will appear. Filter templates may be created as pass all, pass by or deny by.

Create New Filter Template ✕

Filter Name (0-16 Chars)

Description (0-64 Chars)

Pass All  
 Pass By  
 Deny By

Source Mac Address

Destination Mac Address

Ether Type (Hex)

Source IP Address

Source IP Mask

Destination IP Address

Inner VLAN ID (0-4094)

Outer VLAN ID (0-4094)

DSCP (0-63)

IP Protocol

Layer 4 Source Port

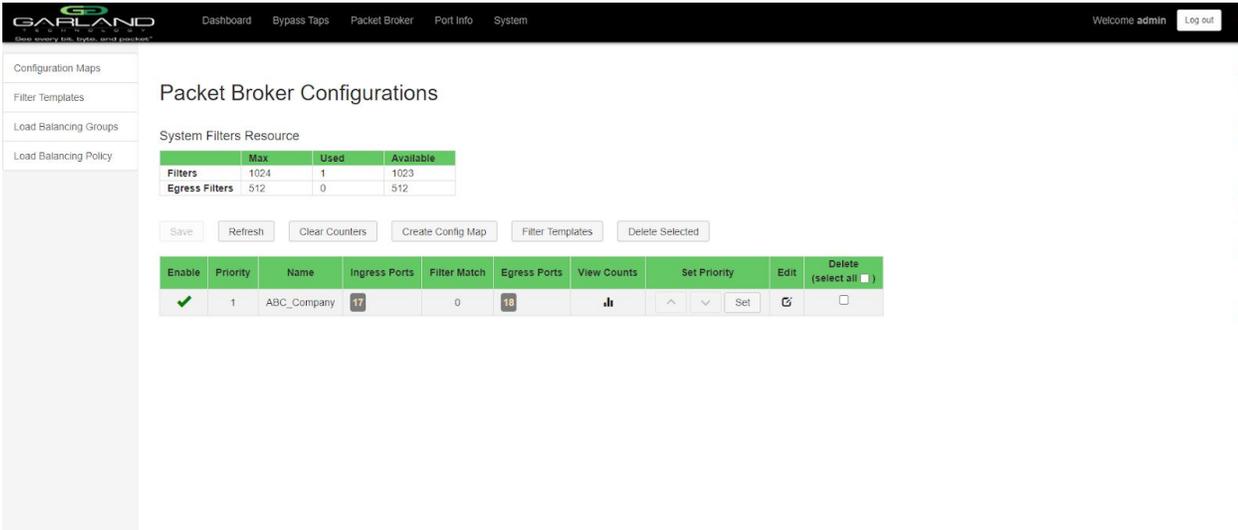
Layer 4 Destination Port

|                   |  |
|-------------------|--|
| Filter Name       | - enter the filter name, 0-16 characters   |
| Description       | - enter the filter description, optional, 0-64 characters                            |
| Pass All          | - select if the filter template is to pass all traffic                               |
| Pass By           | - select if the filter template is to pass specific traffic defined by the template  |
| Deny by           | - select if this filter template is to deny specific traffic defined by the template |
| Filter parameters | - select and enter all of the parameters for this filter template                    |
| Save Template     | - select to save the filter template   |
| Cancel            | - select to disregard changes and return to filter templates                         |

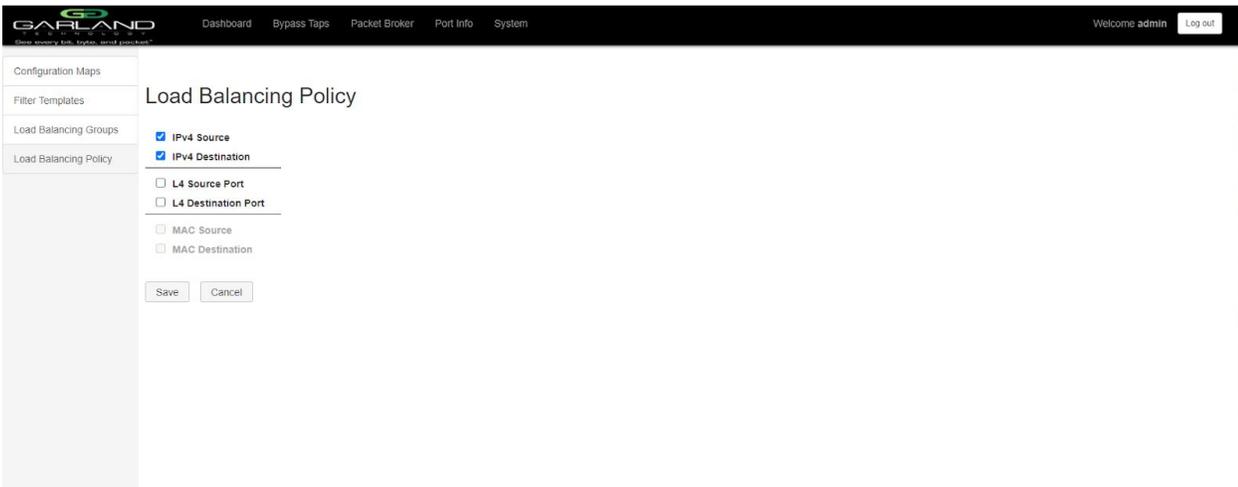
The filter template will appear on the filter template display. Select the filter template to make changes or select the RED X to delete.

The filter template will also be presented on the create config map display.

**Load Balance Policy -**



The current load balance policy is displayed.



- IPv4 Source - select to load balance
- IPv4 Destination - select to load balance
- L4 Source Port - select to load balance
- L4 Destination - select to load balance
- MAC Source - select to load balance
- MAC Destination - select to load balance
- Save - select to save the load balance policy
- Cancel - select to disregard changes

## Load Balance Groups -

**Packet Broker Configurations**

System Filters Resource

|                | Max  | Used | Available |
|----------------|------|------|-----------|
| Filters        | 1024 | 1    | 1023      |
| Egress Filters | 512  | 0    | 512       |

Save Refresh Clear Counters Create Config Map Filter Templates Delete Selected

| Enable                              | Priority | Name        | Ingress Ports | Filter Match | Egress Ports | View Counts | Set Priority | Edit | Delete (select all)      |
|-------------------------------------|----------|-------------|---------------|--------------|--------------|-------------|--------------|------|--------------------------|
| <input checked="" type="checkbox"/> | 1        | ABC_Company | 17            | 0            | 18           |             | Set          |      | <input type="checkbox"/> |

Any previously created load balance groups will be displayed.

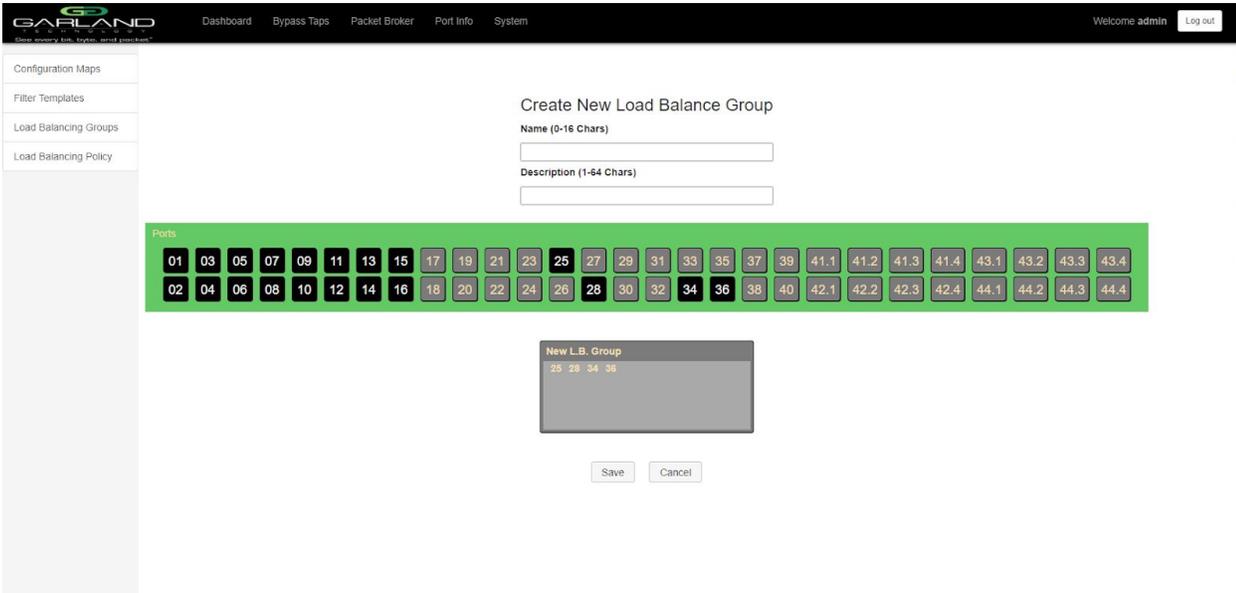
**Load Balancing Groups**

Create Group

| Name | Description | Ports | Used By | Edit |
|------|-------------|-------|---------|------|
|------|-------------|-------|---------|------|

Create Group - select to create a load balance group

The Create New Load Balance Group panel will appear.



- Name - enter the load balance group name, 0-16 characters
- Description - enter the load balance group description, optional, 0-64 characters

Add ports to the load balance group by placing the cursor on the desired port above the new load balance group panel. Press the left mouse button and hold to select the port. Drag the port into the load balance group panel and release. To remove a port from the load balance group, place the cursor on the desired port and double press the left mouse button. Ports may be added to the load balance group in any combination of 10G, 40G or 40G split.

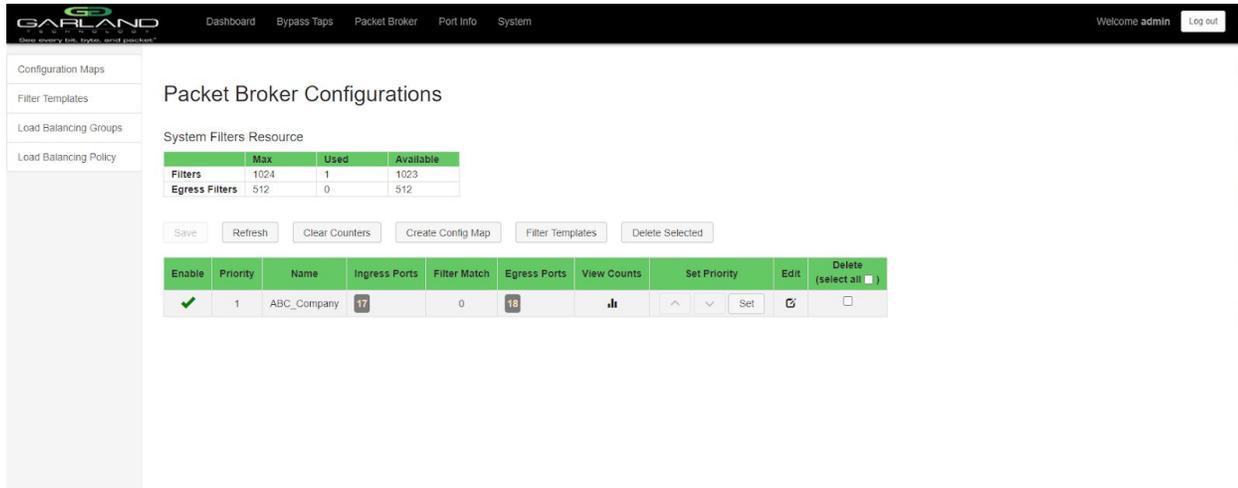
- Save - select to save the load balance group
- Cancel - select to disregard changes and return to load balance groups

The load balance group will appear on the load balance group display.

- Name - displays the name of the load balance group
- Description - displays the description of the load balance group
- Ports - displays the ports assigned to the load balance group
- Used By - displays the name of the config map the load balance group is assigned
- Edit - select the make changes to the load balance group
- RED X - select to delete the load balance group

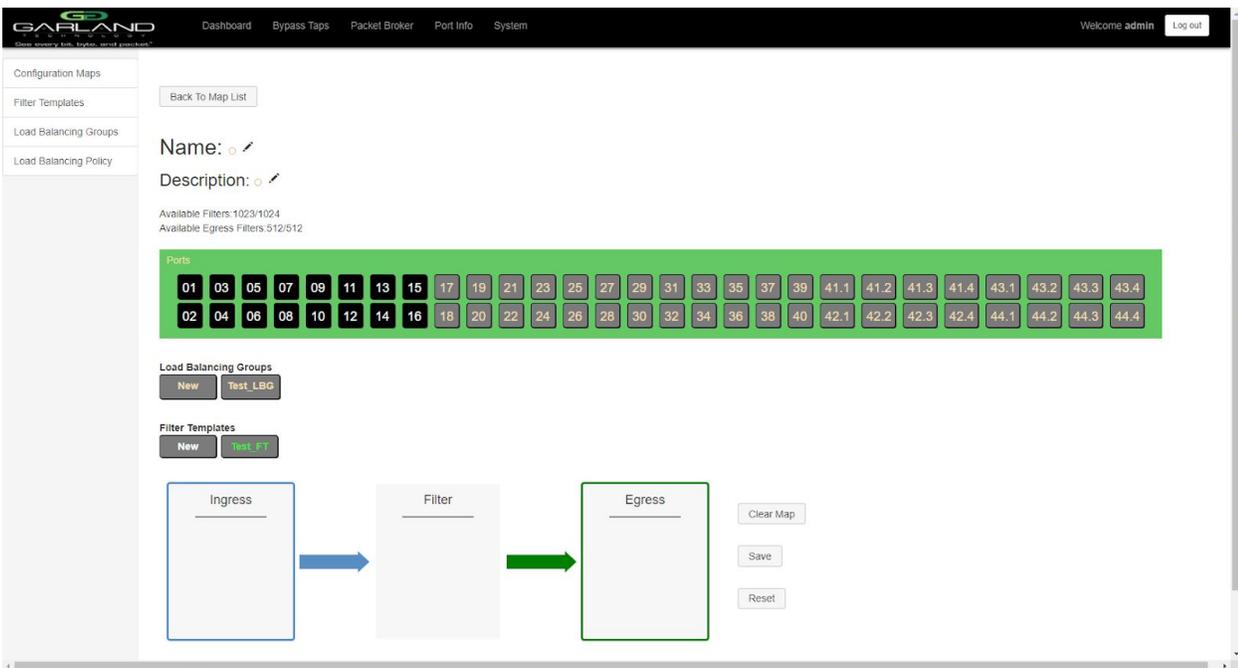
The load balance group will also be presented on the create config map display.

## Create a Config Map -



Any previously created config maps will be displayed.

Create Config Map - select to create a config map

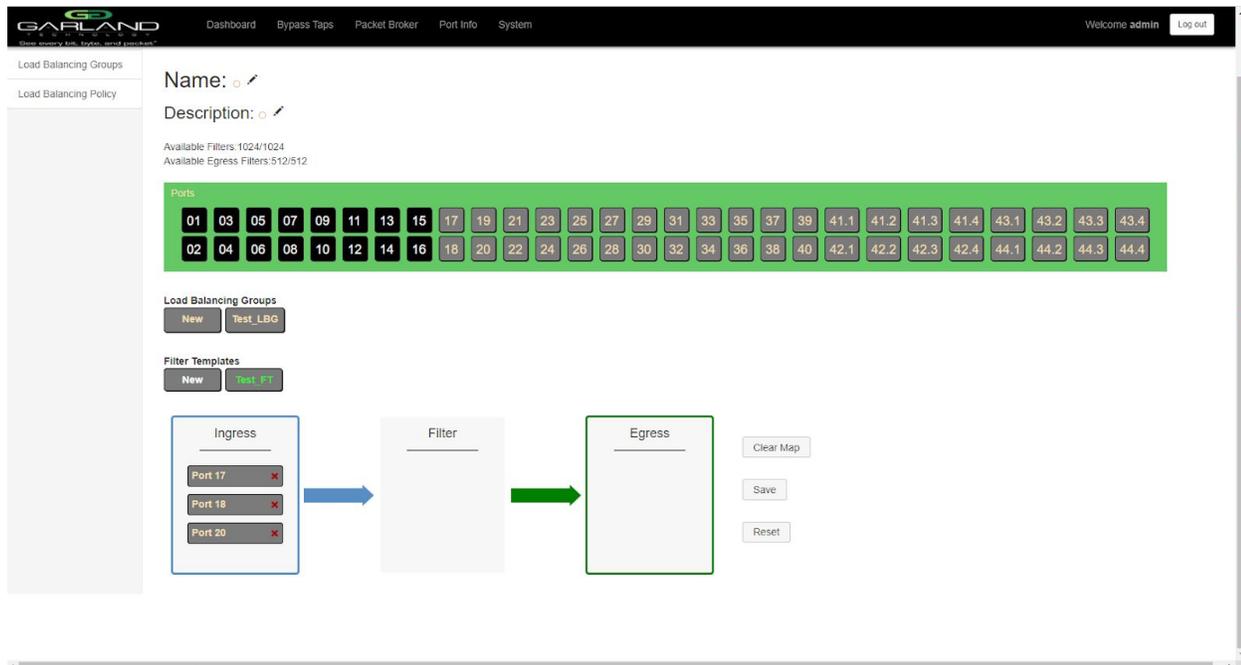


The create config map panel will appear.

- |                     |   |
|---------------------|---|
| Name                | - enter the config map name, 0-16 characters  |
| Description         | - enter the config map description, optional, 0-64 characters   |
| Load Balance Groups | - previously created load balance group template(s) are displayed and may be selected for the egress port. New may be selected for the egress port and created with the config map. If a previously created load balance group template is selected, port(s) may be added or removed from the template if desired. This will change the original load balance group template  |
| Filter Templates    | - previously created filter template(s) are displayed and may be selected for the config map. New may be selected for the filter and created with the config map. If a previously created filter template is selected, the filter for the config map may be changed from the template. This will not change the original filter template. It is advisable to rename the filter if a template was originally used so it can be distinguished from the template |
| Clear Map           | - select to remove any changes on a new config map  |
| Save                | - select to save changes  |
| Reset               | - if editing an existing config map, select reset to reset changes back to original config map  |

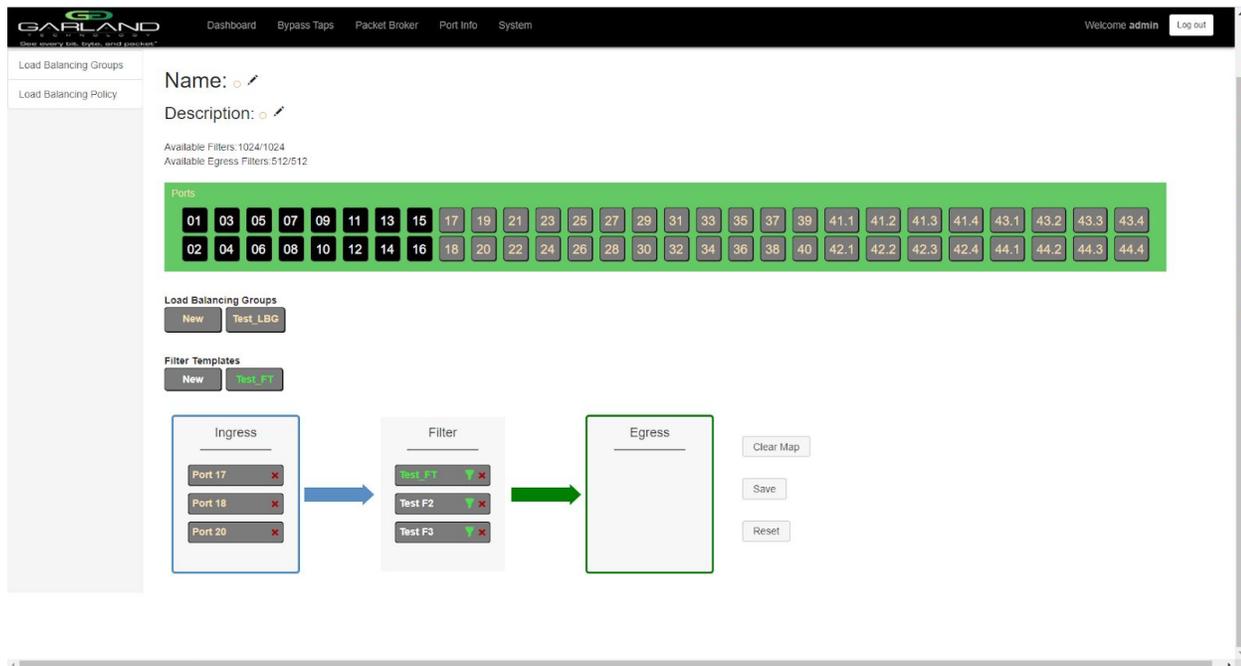
### Ingress Ports -

Add ingress port(s) to the config map by placing the cursor on the desired port above. Press the left mouse button and hold to select the port. Drag the port into the Ingress panel and release. To remove a port from the Ingress panel select the RED X. If more than one port is selected the traffic will be aggregated to the egress port(s) or load balance group.



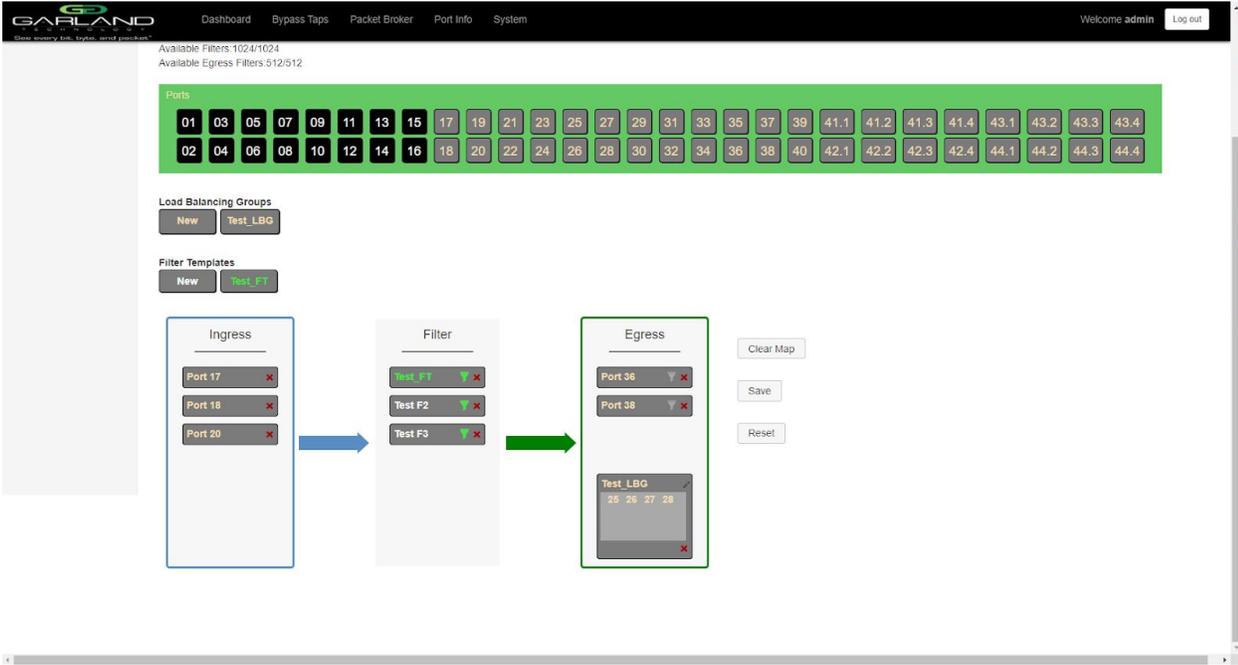
## Filters -

Add filter(s) to the config map by placing the cursor on the desired filter, a filter template or new. Press the left mouse button and hold to select the filter. Drag the filter into the Filter panel and release. To remove a filter from the Filter panel select the RED X for the desired filter. If multiple filters are added the traffic from the ingress port(s) will consider the filters by priority. The top filter is the highest priority. The filters will be considered as the first or the second or the third, etc. Filters may be selected and moved up or down to change their priority. Filters may be modified by selecting the GREEN filter icon.



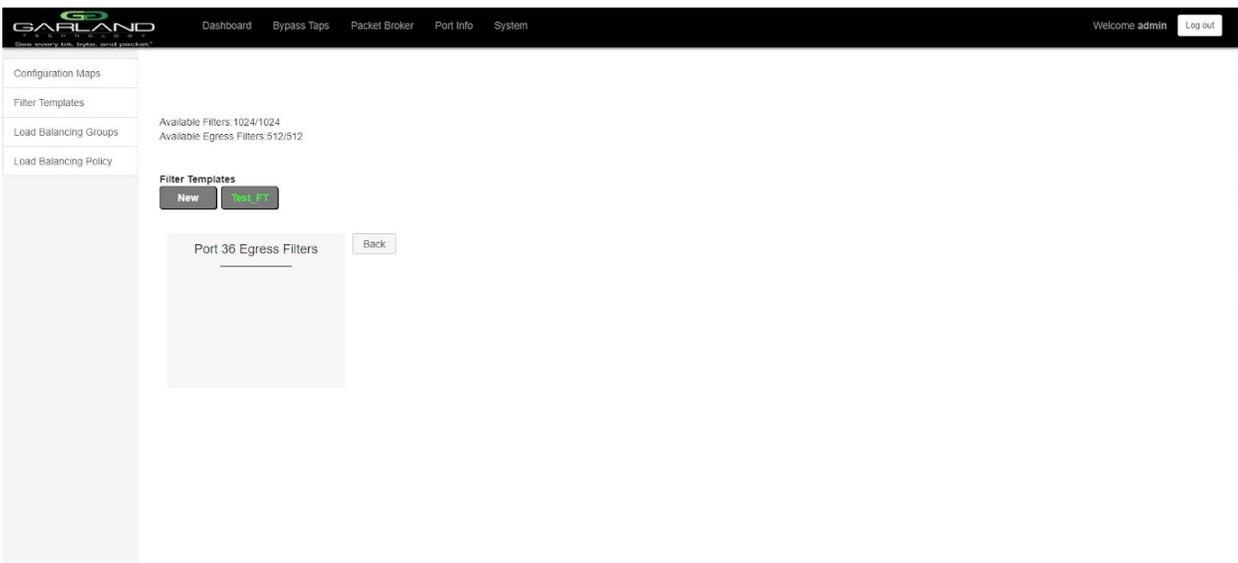
## Egress Ports -

Add egress port(s) or load balance group to the config map by placing the cursor on the desired port or load balance group above. Press the left mouse button and hold to select. Drag the port or load balance group into the Egress panel and release. To remove a port or load balance group from the Egress panel select the RED X. If more than one port is selected for the egress a copy of the traffic from the ingress port(s) will be sent to each egress port. Separate egress port(s) may be combined with a load balance group. In this case the traffic from the ingress port(s) will be load balanced to the load balance port(s) and a copy will be sent to each egress port.

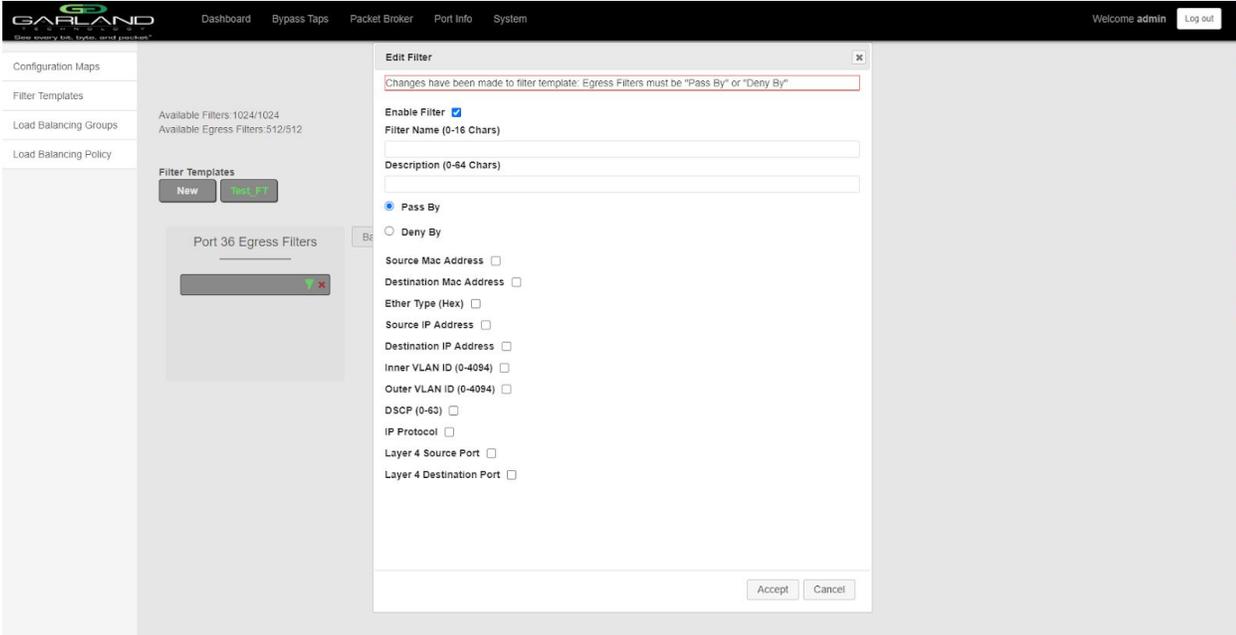


## Egress Filters -

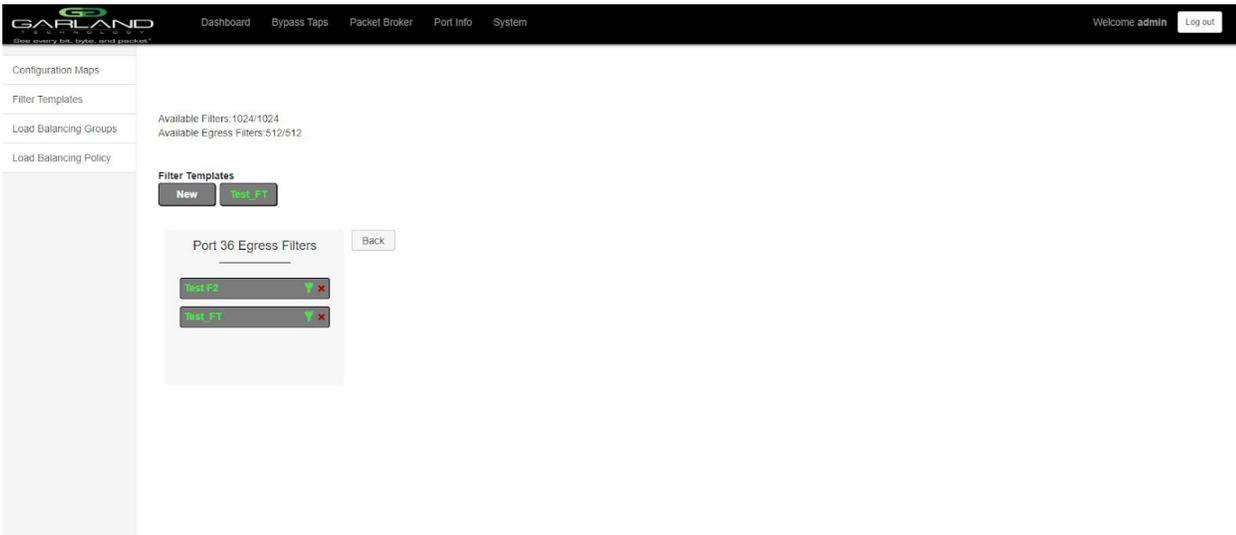
Each egress port may have a separate egress filter(s). To add an egress filter select the gray egress filter icon for the desired port. The egress filter panel will appear. Existing filter templates or a new filter may be used as an egress filter. Add egress filter(s) by placing the cursor on the desired filter. Press the left mouse button and hold to select. Drag the filter to the Egress Filter panel and release.



If new is selected the Edit Filter panel will appear. Egress filters must be pass by or deny by.

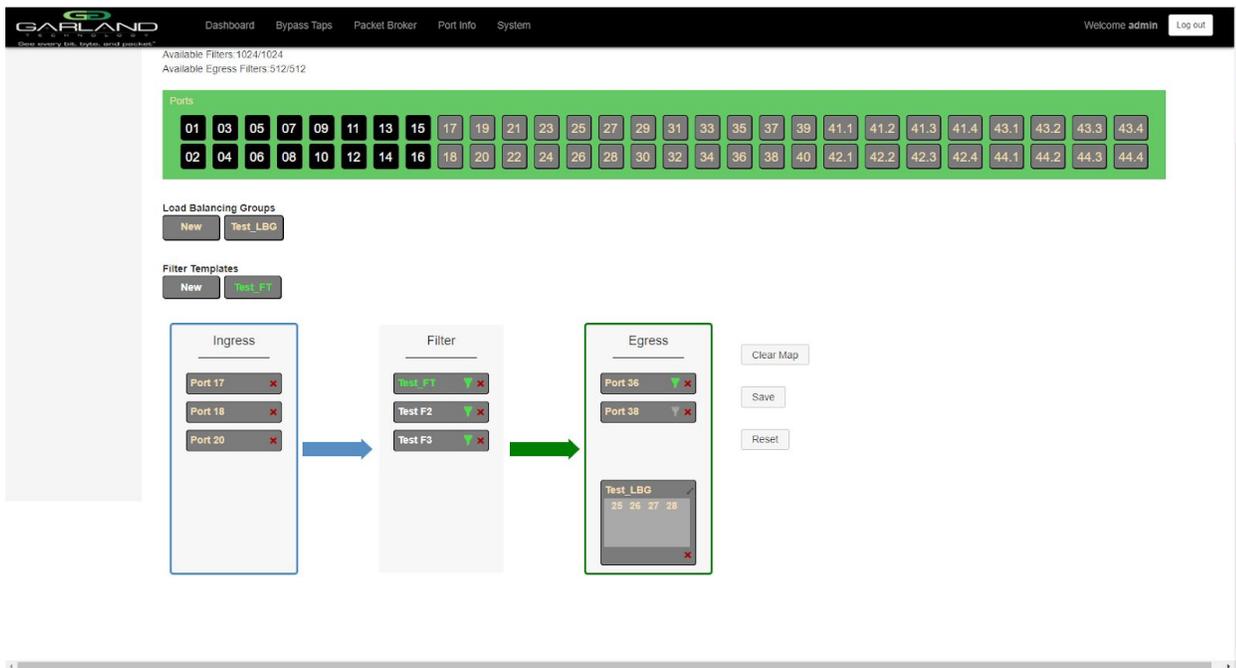


- Filter Name - enter the filter name, 0-16 characters
- Description - enter the filter description, optional, 0-64 characters
- Pass By - select if the filter is to pass specific traffic defined by the filter
- Deny by - select if this filter is to deny specific traffic defined by the filter
- Accept - select to save the filter
- Cancel - select to disregard changes and return to egress filter



The filter(s) will appear on the egress filter display. If multiple egress filters are added the traffic will consider the filters by priority. The top filter is the highest priority. The filters will be considered as the first or the second or the third, etc. Filters may be selected and moved up or down to change their priority.

Back - select after the egress filter(s) have been assigned



The config map will be displayed.

Save - select to save the config map

For questions, please contact Garland Technology Support at:  
8AM-9PM (CST) Monday - Friday (Except for observed US Holidays)  
Tel: 716.242.8500 Online: [garlandtechnology.com/support](http://garlandtechnology.com/support)