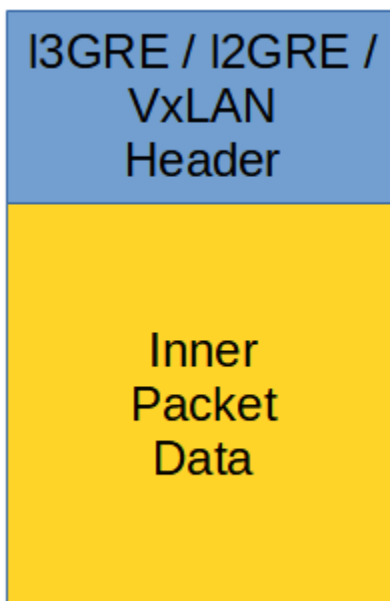


AF1G52AC

Inner Match

Overview:

Typically, packet decapsulation decisions are made using header data only. However, in some cases, it is necessary to make packet decapsulation decisions based on using the header data and inner packet data. Inner Match may be used to decapsulate I3GRE, I2GRE, and VxLAN packets using header data and inner packet data.



Decapsulating the I3GRE, I2GRE or VxLAN header from a packet using Inner Match involves three configuration processes.

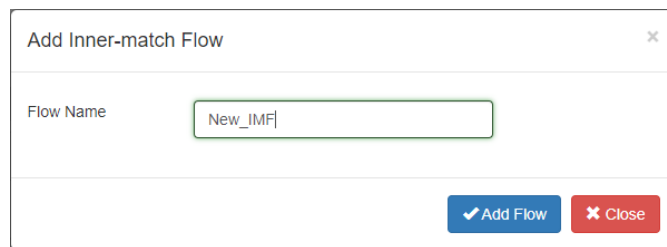
1. Create the Inner Match Flow
2. Create the Flow
3. Create the Tap Group

1. Create the Inner Match Flow

The Inner Match flow defines which I3GRE, I2GRE, or VxLAN packets will be decapsulated. Packets that do not meet the Inner Match flow attributes will not be decapsulated. In some cases, it may be required to create more than 1 Inner Match flow.

1. Select Tap Management.
2. Select Inner Match.
3. Select + Add Inner-match Flow.

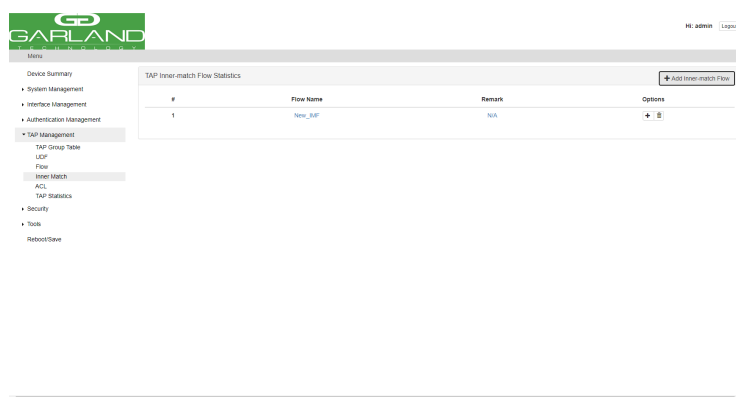
The Add Inner-match Flow panel will appear.



A dialog box titled "Add Inner-match Flow" with a close button (X) in the top right corner. It contains a text input field labeled "Flow Name" with the value "New_IMF" entered. At the bottom right, there are two buttons: a blue "Add Flow" button with a checkmark icon and a red "Close" button with an X icon.

4. Enter the Flow Name.
5. Select Add Flow.

The Inner Match flow will be displayed.



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6. Select the + in the Options column for the desired flow to define the Inner Match flow attributes.

The Add Flow Entry panel will be displayed.

The 'Add Flow Entry' panel is a configuration window with a close button (X) in the top right corner. It contains a list of settings for defining an inner match flow. The settings are as follows:

Sequence-num	☐ off
IP protocol number	any
Filter TYPE	ipv4
Ether Type	☐ off
src-ip	☒ on
Source IP	60.60.60.61
Source wildcard	0.0.0.0
dst-ip	☐ off
DSCP	☐ off
Ip-precedence	☐ off
Options	☐ off
Fragment	☐ off
src-mac	☐ off
dst-mac	☐ off
COS	☐ off
Inner COS	☐ off
VLAN	☐ off
Inner VLAN	☐ off

At the bottom right of the panel are two buttons: a blue 'OK' button with a checkmark icon and a red 'Close' button with an 'X' icon.

7. Select the desired Inner Match flow options and enter the desired values.

8. Select OK.

2. Create the Flow

The flow defines which I3GRE, I2GRE, or VxLAN packets will be decapsulated. Packets that do not meet the flow attributes will not be decapsulated. In some cases, it may be required to create more than 1 flow.

1. Select Tap Management.
2. Select Flow.
3. Select + Add Flow.

The Add Flow panel will appear.

Add Flow
✕

Flow Name

Decap

on

✓ Add Flow

✕ Close

4. Enter the Flow Name.
5. Enable Decap.
6. Select Add Flow.

The flow will be displayed.

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[UDF](#)
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[Hi Admin](#) | [Logout](#)

TAP Flow Statistics					+ Add Flow
#	Flow Name	Remark	Decap	Options	
1	Flow	N/A	Enable	+ ⚙	

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7. Select the + in the Options column for the desired flow to define the flow attributes.

The Add Flow Entry panel will be displayed.

8. Select the desired IP Protocol Number. (gre = GRE / nvgre = I2GRE / udp = VxLAN)

9. Select the desired flow options and enter the desired values. For udp = VxLAN enable the DST-port. Select eq and enter 4789.

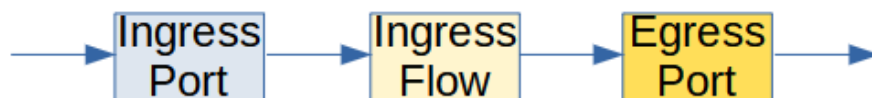
10. Enable Inner Match.

11. Select the desired Inner Match flow.

12. Select OK.

3. Create the Tap Group

The Tap Group defines the ingress port, ingress flow, and egress port.



1. Select Tap Management.
2. Select TAP Group Table.
3. Select + Add TAP Group.

The TAP Group Name panel will appear.

TAP Group Name

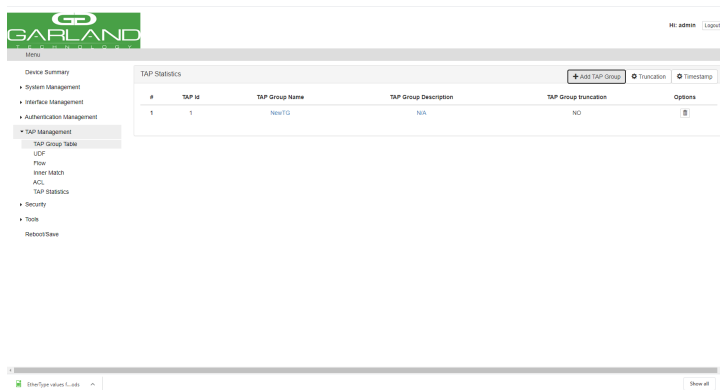
TAP Group Name

TAP Group ID

OK Close

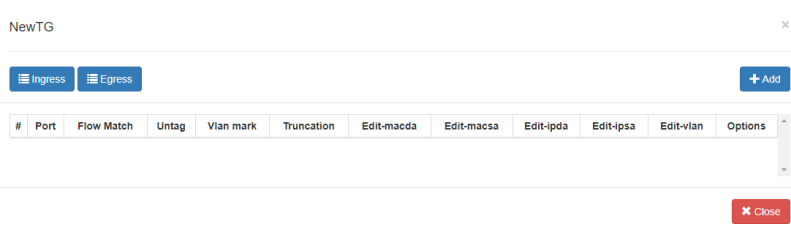
4. Enter the TAP Group Name.
5. Select OK.

The Tap Group will be displayed.



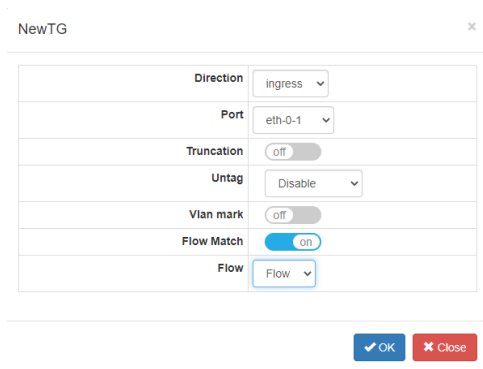
- Place the cursor on the tap group name under the TAP Group Name column and press the left mouse button.

The TAP group panel will appear.



- Select the + Add to define the ingress port and ingress flow.

The add panel will appear.



- Select the Direction ingress.

9. Select the Port.

10. Enable Flow Match.

11. Select the flow for the Inner Match.

12. Select OK.

NewTG

Ingress Egress + Add

#	Port	Flow Match	Untag	Vlan mark	Truncation	Edit-macda	Edit-macsa	Edit-ipda	Edit-ipsa	Edit-vlan	Options
1	eth-0-1	Flow	Disable	N/A	Disable	N/A	N/A	N/A	N/A	N/A	

✖ Close

13. Select the + Add to define the Egress port.

The add panel will appear.

NewTG

Direction: egress

Port: eth-0-2

Timestamp: off

✓ OK ✖ Close

14. Select the Direction egress.

15. Select the Port.

16. Select OK.

NewTG

Ingress Egress + Add

#	Port	Timestamp	Options
1	eth-0-2	NO	

✖ Close

17. The ingress port, ingress flow, and egress port may be displayed by selecting Ingress or Egress.

18. Select Close to return the TAP Group Table display.