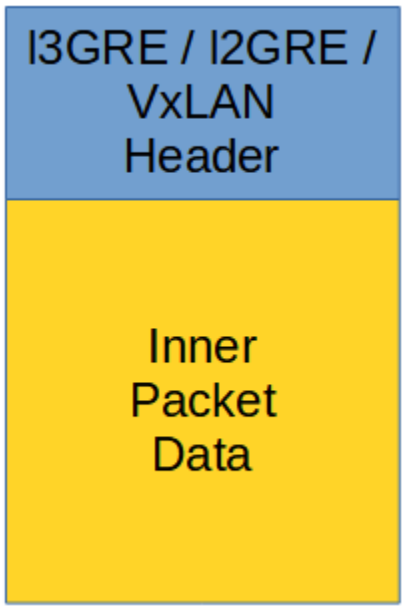
AF1G40AC

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 l3GRE, l2GRE, and VxLAN packets using header data and inner packet data.



Decapsulating the l3GRE, l2GRE or VxLAN header from a packet using Inner Match involves three configuration processes.

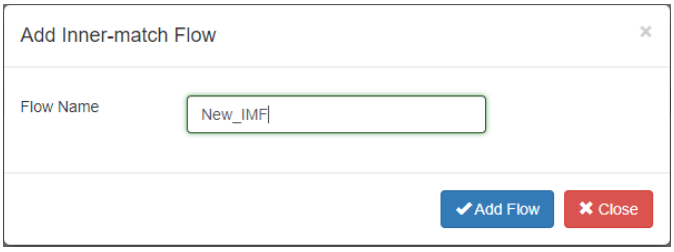
1. Create the Inner Match Flow
2. Create the Flow
3. Create the Tap Group

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.

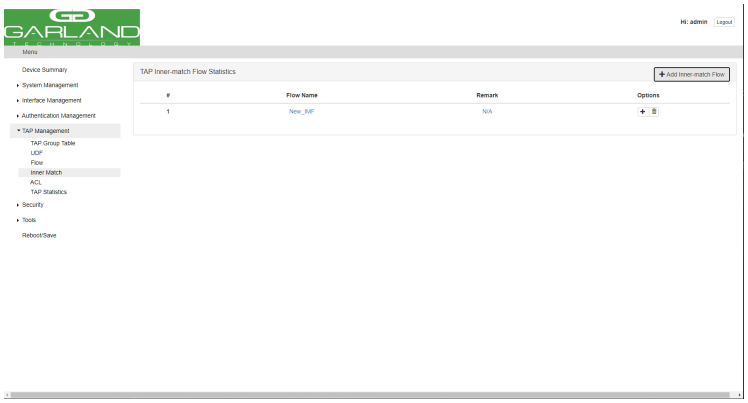
1. Select Tap Management.
2. Select Inner Match.
3. Select + Add Inner-match Flow.

   The Add Inner-match Flow panel will appear.



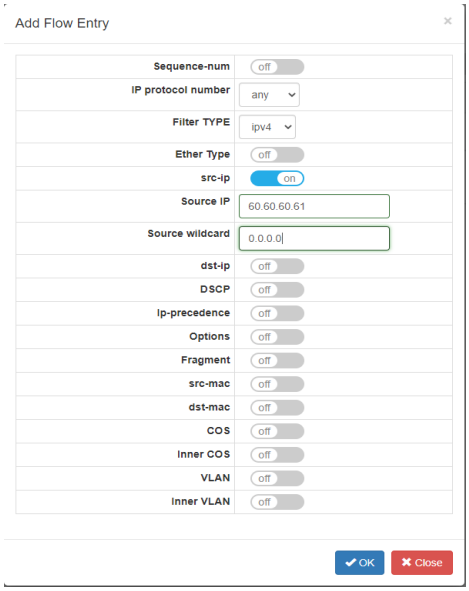
4. Enter the Flow Name.
5. Select Add Flow.

   The Inner Match flow will be displayed.



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.



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

8. Select OK.

2. Create the Flow

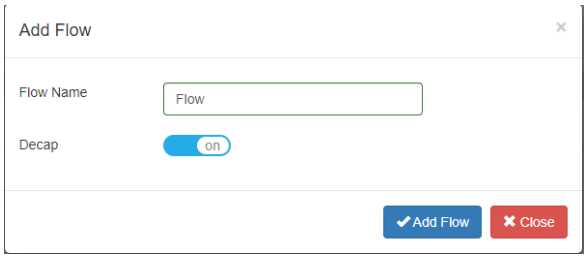
The flow defines which l3GRE, l2GRE, or VxLAN packets will be decapsulated. Packets that do not meet the flow attributes will not be decapsulated. In some cases, it may be required to create more than 1 flow.

1. Select Tap Management.

2. Select Flow.

3. Select + Add Flow.

   The Add Flow panel will appear.

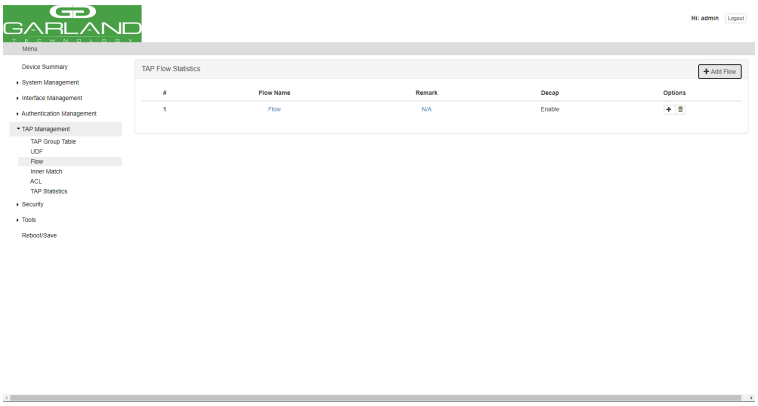


4. Enter the Flow Name.

5. Enable Decap.

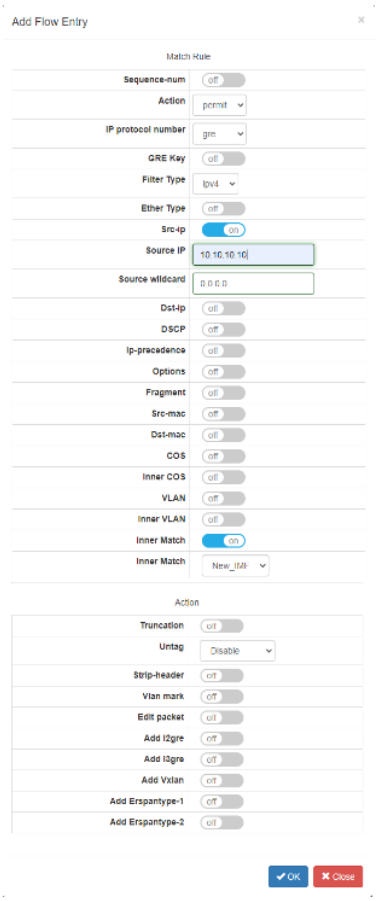
6. Select Add Flow.

   The flow will be displayed.



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 = l2GRE / 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.

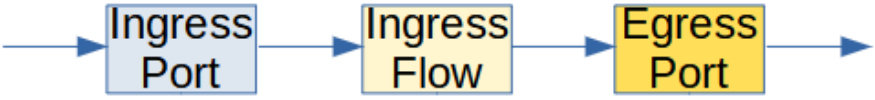
10. Enable Inner Match.

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.

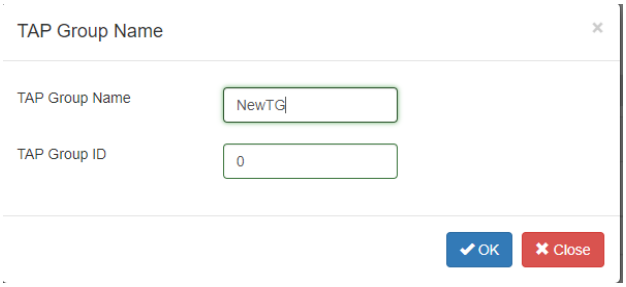


1. Select Tap Management.

2. Select TAP Group Table.

3. Select + Add TAP Group.

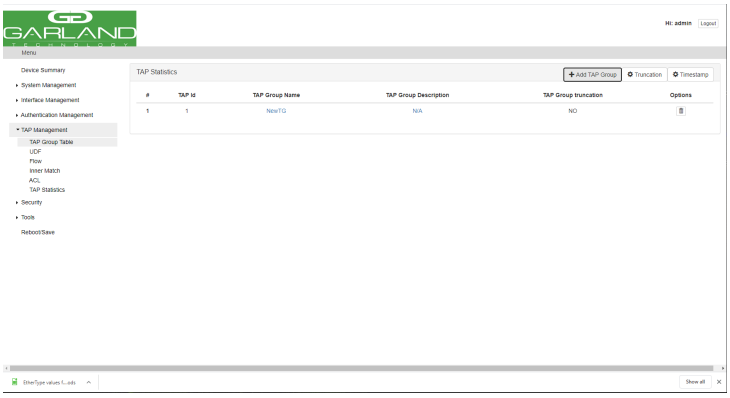
The TAP Group Name panel will appear.



4. Enter the TAP Group Name.

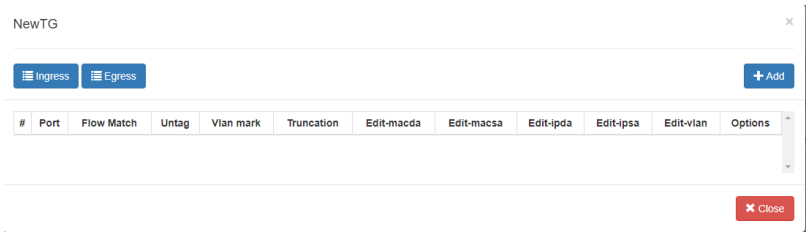
5. Select OK.

The Tap Group will be displayed.



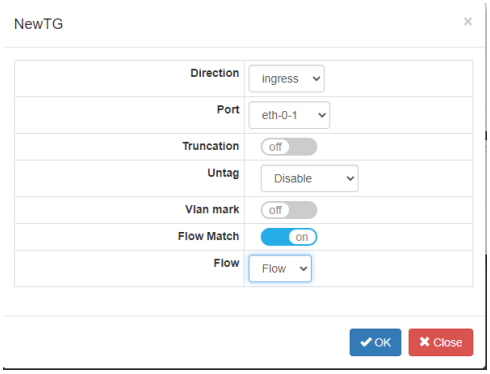
6. Place the cursor on the tap group name under the TAP Group Name column and press the left mouse button.

The TAP group panel will appear.



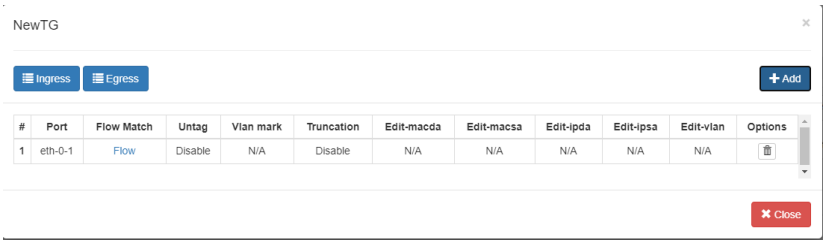
7. Select the + Add to define the ingress port and ingress flow.

The add panel will appear.



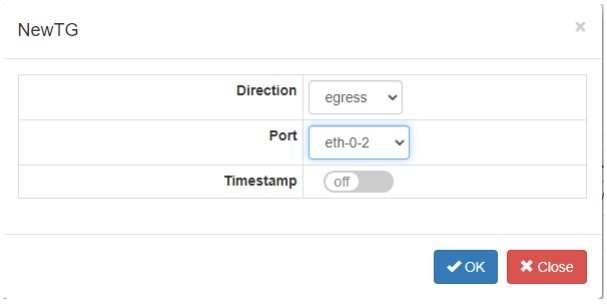
8. Select the Direction ingress.

9. Select the Port.
10. Enable Flow Match.
11. Select the flow for the Inner Match.
12. Select OK.

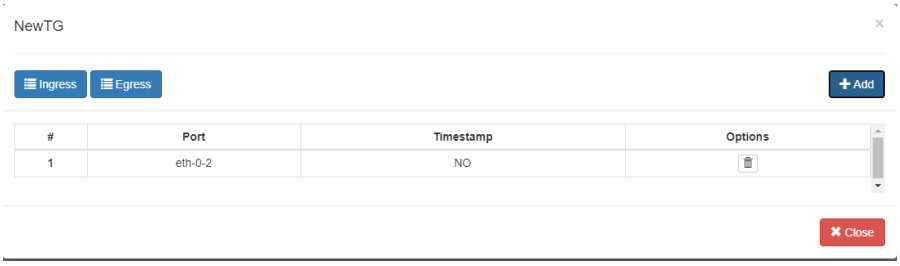


13. Select the + Add to define the Engress port.

    The add panel will appear.



14. Select the Direction egress.
15. Select the Port.
16. Select OK.



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.