

AF10G72AC

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



Advanced Features | 3.0.9

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.

Add Inner-match	Flow		×
Flow Name	New_IMF		
		✓Add Flow	X Close

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

The Inner Match flow will be displayed.

GD GARLANE	D			Hi: admin Logout
Menu				
Device Summary	TAP Inner-match Flow S	tatistics		+ Add Issesuratch Flow
 System Management 				
 Interface Management 		Flow Name	Remark	Options
Authentication Management	1	New_IMF	NIA	+ 1
* TAP Management				
Norma bale Lor Lor Norma Marka Nor Marka ACL Solution Solution Solution ReboolStore				



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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.

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	
src-mac	Off
dst-mac	
COS	Off
Inner COS	Off
VLAN	Off
Inner VLAN	Off

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



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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		ĸ	2
Flow Name Decap	Flow		
		✓Add Flow Close	

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

The flow will be displayed.

GO GARLANE					Ni: admin [Lopost]
Menu					
Device Summary	TAP Flow Statistics				Add Dow
System Management					1.0001.000
 Interface Management 		Plow Name	Remark	Decap	Options
Authentication Management	1	Flow	NIA	Enable	+ =
* TAP Management					
142 Group Table UCF Fore Inter Match ACL Fore ACL Fore ACL Fore Action ACL Fore Addition ACL Fore Addi					

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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 enables the DST-port. Select eq and enter 4789.
- 10. Enable Inner Match.
- 11. Select the desired Inner Match flow.
- 12. Select OK.

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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	NewTG	
TAP Group ID	0	
		✓ OK K Close

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



The Tap Group will be displayed.

Device Summary	TAP Statis	ācs			+ Add TAP Group O Trunc	ation 🗘 Timesta
System Management Interface Management	1.0	TAP Id	TAP Group Name	TAP Group Description	TAP Group truncation	Options
Authentication Management	1	1	NewTG	NA	NO	8
TAP Management						
Now Inter Match ACL TAP Statistics						
Toola						
Reboot/Save						

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.

NewTG											×
Ingress	Egress									+ Ad	d
# Port	Flow Match	Untag	Vlan mark	Truncation	Edit-macda	Edit-macsa	Edit-ipda	Edit-ipsa	Edit-vlan	Options	*
											v
										× Clos	e

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

The add panel will appear.

Direction	ingress 🗸
Port	eth-0-1 🗸
Truncation	Off
Untag	Disable 🗸
Vlan mark	Off
Flow Match	On
Flow	Flow ~

8. Select the Direction ingress.

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

Ne	wTG										
#	Port	Egress	Untag	Vian mark	Truncation	Edit-macda	Edit-macsa	Edit-ipda	Edit-ipsa	Edit-vlan	Options
	eniori	TIOW	Disable	N/A	Disable	N/A	N/A	N/A	IN/A	IN/A	× Clo

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

The add panel will appear.

NewTG	×
Direction	egress 🗸
Port	eth-0-2 🗸
Timestamp	Off
	✓ OK K Close

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

NewTG ⊯Ingress	Frinkss		×
# 1	Port eth-0-2	Timestamp NO	Options
			✓ 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.