

Monitor Capture Overview

Monitor Capture is a tool that can assist with verifying new traffic configurations or assist in trouble shooting.

The Monitor Capture tool supports the following capabilities:

- The monitor capture tool requires a TAP Group to be created
- Supports truncation, 64 to 144 bytes
- Supports packet count
- Support capture time
- Ingress packet capture options
 - A flow may be applied to filter the captured packets
 - A single port or group of ports may be selected
 - A link aggregation group may be selected
 - A port group may be selected.
- Egress packet capture options
 - An ACL may be applied to filter the captured packets
 - A single port or group of ports may be selected
 - A link aggregation group may be selected
- The monitor capture tool must be manually started
- The monitor capture tool must be manually stopped
- A txt file is created to view the last 1000 captured packets
- A pcap file may be created from the txt file

Monitor Capture Setup

1. Select tools.
2. Select Monitor Capture.

The Options panel will be displayed.

The screenshot shows the 'Options' panel with the following content:

Global Configuration [Modify]

Capture Status	Truncation Length	Packet Count	Capture Time
stopping	no truncation	no limit	no limit

Capture Source Nodes [Add Node]

#	Direction	Interface	Prot Group	Rule	Options

[Start Capture] [Stop Capture]

Packet Info

Capture Files | Packet View

#	Size	Last modify	Filename	Current Capture File	Options

3. Select the Global Configuration Modify.

The Config global panel will be displayed. The defaults may be used if desired.

The 'Config global' dialog box shows the following settings:

- Truncation Length: off
- Packet Count: off
- Capture Time: off

[OK] [Close]

4. Truncation Length enable
5. If enabled, enter the truncation length, 64 to 144 bytes.
6. Packet Count enable
7. If enabled, enter the number, 1 to 1000 packets.
8. Capture Time enable
9. If enabled, enter the number, 1 to 120 seconds.

10. Select OK.

The Global Configuration options will be displayed

Global Configuration ⚙️ Modify			
Capture Status	Truncation Length	Packet Count	Capture Time
stopping	no truncation	no limit	no limit

11. Select the Capture Source Nodes + Add Node.

The Add Source Node panel will be displayed

Add Source Node ✕

Direction	Output
<p>Flow Match <input type="checkbox"/> off</p> <p>Port</p> <p><input type="checkbox"/> eth-0-1 - 8: □□□□□□□□</p> <p><input type="checkbox"/> eth-0-9 - 16: □□□□□□□□</p> <p><input type="checkbox"/> eth-0-17 - 24: □□□□□□□□</p> <p><input type="checkbox"/> eth-0-25 - 32: □□□□□□□□</p> <p><input type="checkbox"/> eth-0-33 - 40: □□□□□□□□</p> <p>Link Aggregation Name</p>	<p>Access-list Match <input type="checkbox"/> off</p> <p>Port</p> <p><input type="checkbox"/> eth-0-1 - 8: □□□□□□□□</p> <p><input type="checkbox"/> eth-0-9 - 16: □□□□□□□□</p> <p><input type="checkbox"/> eth-0-17 - 24: □□□□□□□□</p> <p><input type="checkbox"/> eth-0-25 - 32: □□□□□□□□</p> <p><input type="checkbox"/> eth-0-33 - 40: □□□□□□□□</p> <p>Link Aggregation Name</p>

✔ Add Nodes
✕ Close

Ingress Entities

- 12. Flow Match enable, optional
- 13. Flow Select the desired flow
Must be previously created
- 14. Port Select the desired port(s)
A TAP group must be previously created
- 15. Link Aggregation Name Select the desired link aggregation group
Must be previously created
- 16. Port Group Select the desired port group
Must be previously created.

Egress Entities

- 17. Access-list Match enable, optional
- 18. Access-list Select the desired access list
Must be previously created

- 19. Port Select the desired port(s)
A TAP group must be previously created
- 20. Link Aggregation Name Select the desired link aggregation group
Must be previously created

21. Select Add Nodes.

The Capture Source Nodes will be displayed

Capture Source Nodes						+ Add Node
#	Direction	Interface	Prot Group	Rule	Options	
1	input	eth-0-25	N/A	flow: Test		
2	output	eth-0-26	N/A	N/A		

22. Select the Trash Can in the Options column to delete a node.

23. Select Start Capture.

The Packet Info panel will display the txt file. A (check) will be displayed indicating the Current Capture File

Packet Info						
Capture Files		Packet View				
<input type="checkbox"/>	#	Size	Last modify	Filename	Current Capture File	Options
<input type="checkbox"/>	1	0B	2023-01-06 15:30:29	MirCpuPkt-2023-01-06-15-30-29.txt	✓	

24. Select Stop Capture.

The Packet Info panel will display the txt file. A (check) will not be displayed indicating the Current Capture File

Packet Info						
Capture Files		Packet View				
<input type="checkbox"/>	#	Size	Last modify	Filename	Current Capture File	Options
<input type="checkbox"/>	1	10.001M	2023-01-06 15:39:37	MirCpuPkt-2023-01-06-15-38-52.txt		

25. Select Download in the Options column to download the txt file.

26. Select Trash Can in the Options column to delete the txt file.

27. Select Convert to pcap in the Options column to create a pcap file.

The Packet Info panel will display the pcap file

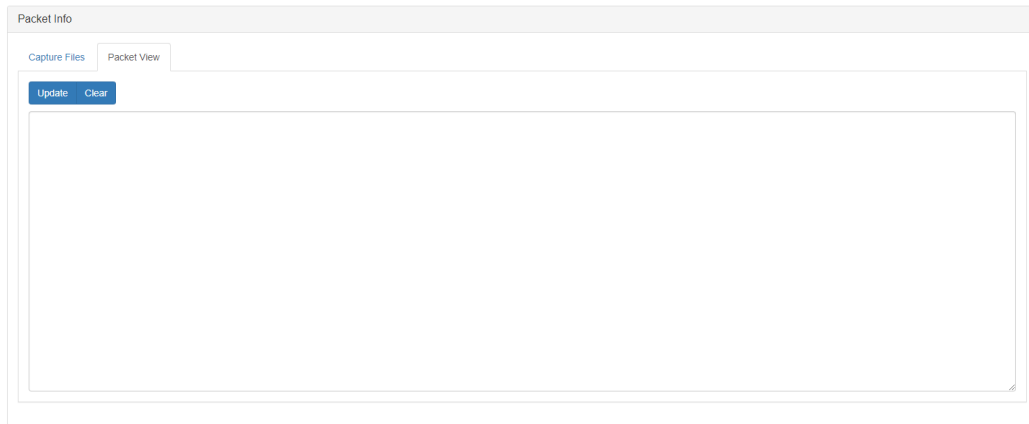
Packet Info

Capture Files **Packet View**

<input type="checkbox"/>	#	Size	Last modify	Filename	Current Capture File	Options
<input type="checkbox"/>	1	10.001M	2023-01-06 15:39:37	MirCpuPkt-2023-01-06-15-38-52.txt		
<input type="checkbox"/>	2	1.861M	2023-01-06 15:54:23	MirCpuPkt-2023-01-06-15-38-52.pcap		

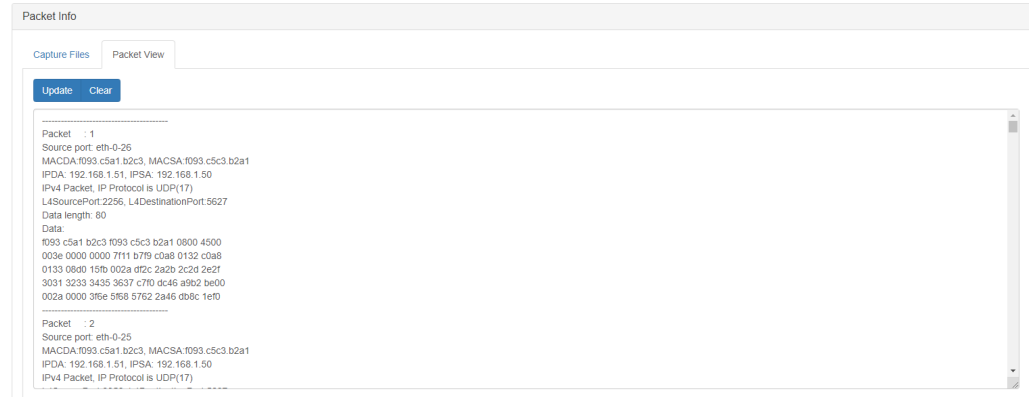
28. Select Download in the Options column to download the pcap file.
29. Select Trash Can in the Options column to delete the pcap file.
30. Select Packet View Tab.

The Packet View panel will be displayed



31. Update.

The Packet View panel will display the latest packets.



32. Select Clear to clear the packet information.