

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

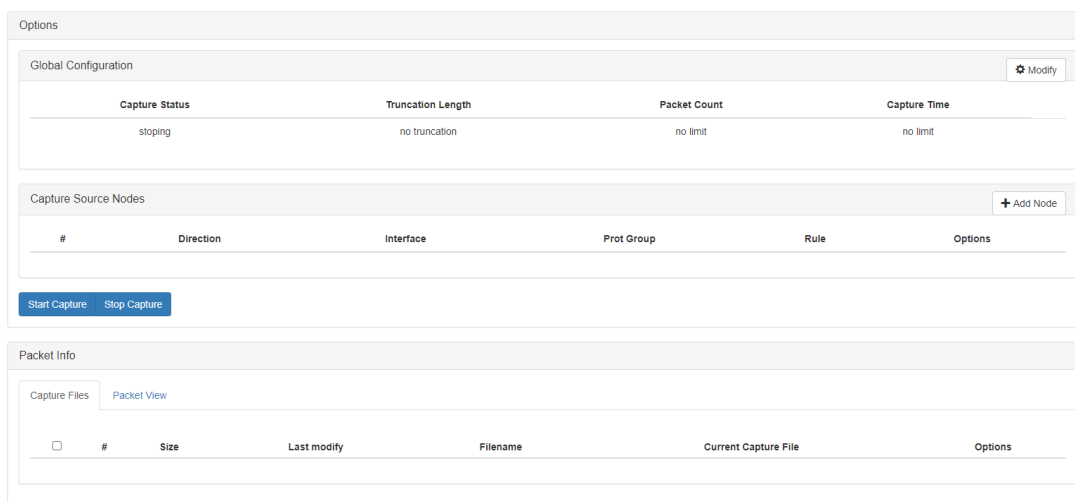
The Monitor Capture tool supports the following capabilities:

- 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 Configuration

1. Select tools.
2. Select Monitor Capture.

*The Options panel will be displayed.*

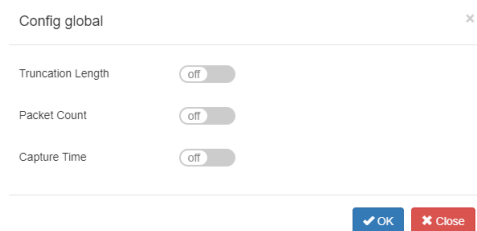


The screenshot shows the 'Options' panel with the following sections:

- Global Configuration:** A table with columns: Capture Status (stopping), Truncation Length (no truncation), Packet Count (no limit), and Capture Time (no limit). A 'Modify' button is in the top right.
- Capture Source Nodes:** A table with columns: #, Direction, Interface, Prot Group, Rule, and Options. An 'Add Node' button is in the top right.
- Buttons:** 'Start Capture' and 'Stop Capture' buttons.
- Packet Info:** A section with tabs for 'Capture Files' and 'Packet View'. Below is a table with columns: #, Size, Last modify, Filename, Current Capture File, and Options.

3. Select the Global Configuration Modify.

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



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

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

Buttons: OK (blue), Close (red).

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 <span style="float: right;">Modify</span>			
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 x

Direction	Output																												
<p><b>Flow Match</b> <input type="checkbox"/> <span style="border: 1px solid #ccc; border-radius: 15px; padding: 2px 5px;">off</span></p> <p><b>Port</b></p> <table style="width: 100%;"> <tr><td><input type="checkbox"/> eth-0-1 - 8:</td><td>□□□□□□□□</td></tr> <tr><td><input type="checkbox"/> eth-0-9 - 16:</td><td>□□□□□□□□</td></tr> <tr><td><input type="checkbox"/> eth-0-17 - 24:</td><td>□□□□□□□□</td></tr> <tr><td><input type="checkbox"/> eth-0-25 - 32:</td><td>□□□□□□□□</td></tr> <tr><td><input type="checkbox"/> eth-0-33 - 40:</td><td>□□□□□□□□</td></tr> <tr><td><input type="checkbox"/> eth-0-41 - 48:</td><td>□□□□□□□□</td></tr> <tr><td><input type="checkbox"/> eth-0-49 - 56:</td><td>□□□□□□□□</td></tr> </table> <p><b>Link Aggregation Name</b></p>	<input type="checkbox"/> eth-0-1 - 8:	□□□□□□□□	<input type="checkbox"/> eth-0-9 - 16:	□□□□□□□□	<input type="checkbox"/> eth-0-17 - 24:	□□□□□□□□	<input type="checkbox"/> eth-0-25 - 32:	□□□□□□□□	<input type="checkbox"/> eth-0-33 - 40:	□□□□□□□□	<input type="checkbox"/> eth-0-41 - 48:	□□□□□□□□	<input type="checkbox"/> eth-0-49 - 56:	□□□□□□□□	<p><b>Access-list Match</b> <input type="checkbox"/> <span style="border: 1px solid #ccc; border-radius: 15px; padding: 2px 5px;">off</span></p> <p><b>Port</b></p> <table style="width: 100%;"> <tr><td><input type="checkbox"/> eth-0-1 - 8:</td><td>□□□□□□□□</td></tr> <tr><td><input type="checkbox"/> eth-0-9 - 16:</td><td>□□□□□□□□</td></tr> <tr><td><input type="checkbox"/> eth-0-17 - 24:</td><td>□□□□□□□□</td></tr> <tr><td><input type="checkbox"/> eth-0-25 - 32:</td><td>□□□□□□□□</td></tr> <tr><td><input type="checkbox"/> eth-0-33 - 40:</td><td>□□□□□□□□</td></tr> <tr><td><input type="checkbox"/> eth-0-41 - 48:</td><td>□□□□□□□□</td></tr> <tr><td><input type="checkbox"/> eth-0-49 - 56:</td><td>□□□□□□□□</td></tr> </table> <p><b>Link Aggregation Name</b></p>	<input type="checkbox"/> eth-0-1 - 8:	□□□□□□□□	<input type="checkbox"/> eth-0-9 - 16:	□□□□□□□□	<input type="checkbox"/> eth-0-17 - 24:	□□□□□□□□	<input type="checkbox"/> eth-0-25 - 32:	□□□□□□□□	<input type="checkbox"/> eth-0-33 - 40:	□□□□□□□□	<input type="checkbox"/> eth-0-41 - 48:	□□□□□□□□	<input type="checkbox"/> eth-0-49 - 56:	□□□□□□□□
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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.bt	✓	

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.*

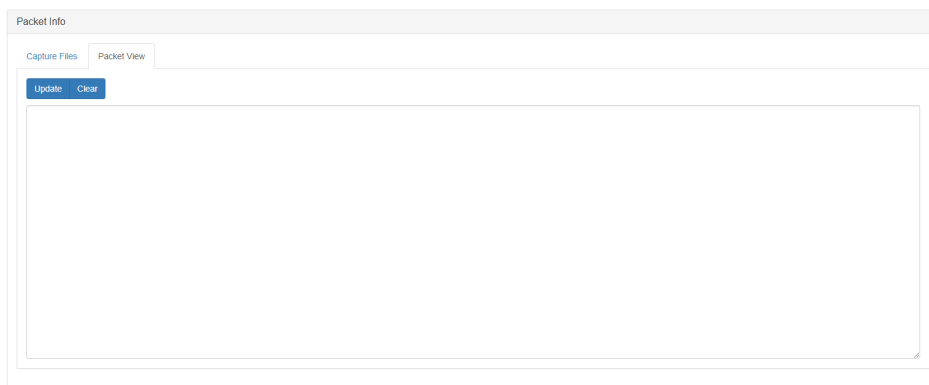
Packet Info						
Capture Files		Packet View				
<input type="checkbox"/>	#	Size	Last modify	Filename	Current Capture File	Options
<input type="checkbox"/>	1	10.001M	2023-01-06 15:39:37	MirCpuPkt-2023-01-06-15-38-52.txt		
<input type="checkbox"/>	2	1.861M	2023-01-06 15:54:23	MirCpuPkt-2023-01-06-15-38-52.pcap		

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.

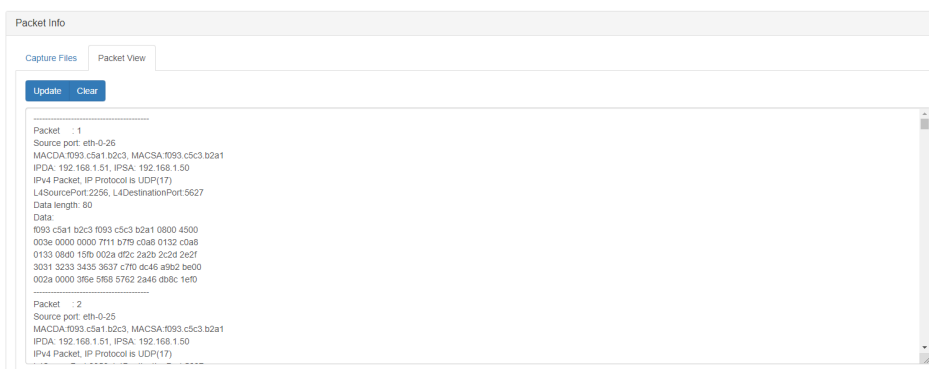
30. Select Packet View Tab.

*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.