Flows Tab

The Flows tab of Scope contains the flow map, which lists currently active flows and their statistics in a table.

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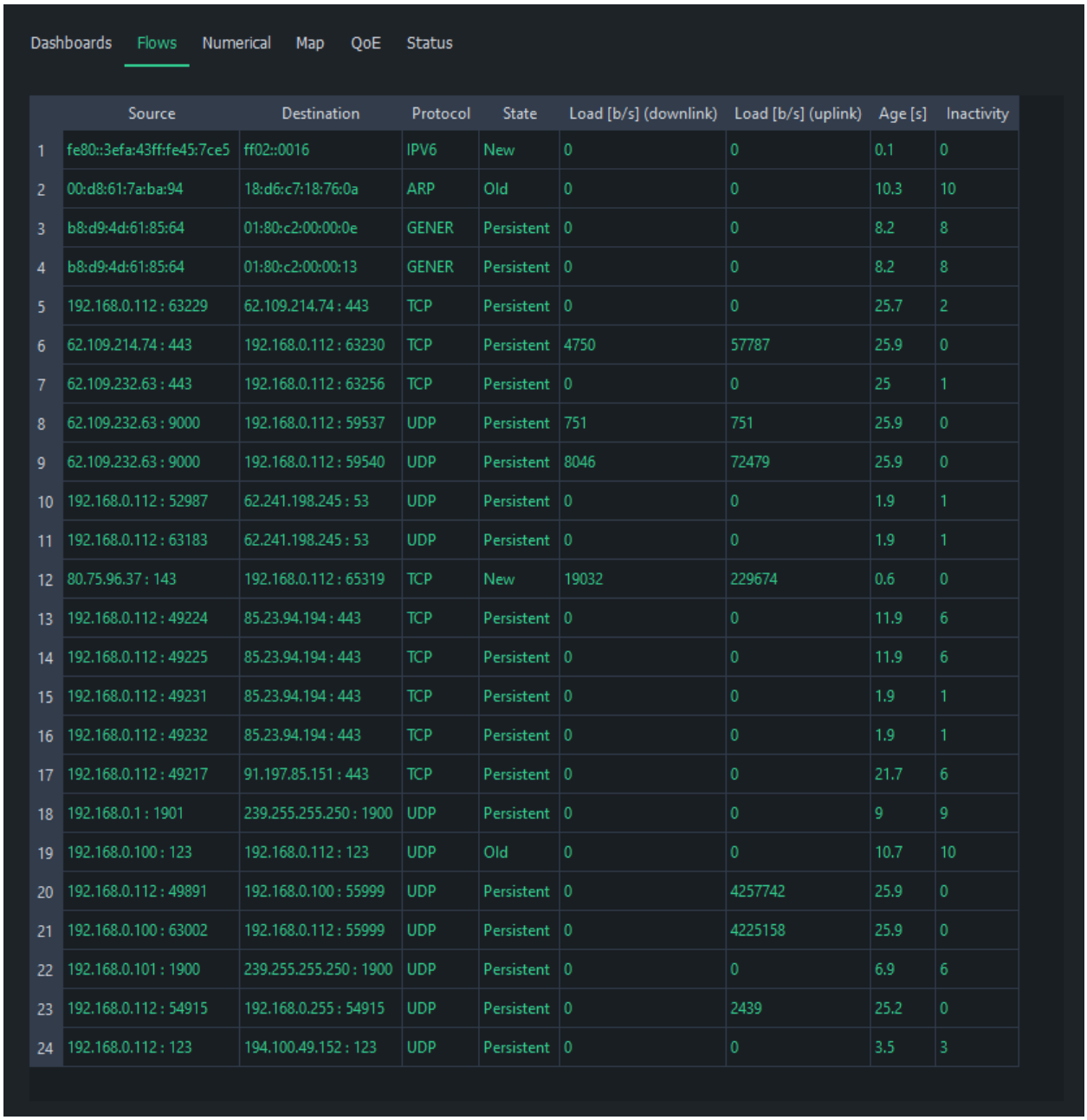
The flow map in Scope is a convenient way of observing the captured traffic overview or verifying that the packet filter is functioning as expected.



	Source	Destination	Protocol	State	Load [b/s] (downlink)	Load [b/s] (uplink)	Age [s]	Inactivity
1	fe80::3efa:43ff:fe45:7ce5	ff02::0016	IPV6	New	0	0	0.1	0
2	00:d8:61:7a:ba:94	18:d6:c7:18:76:0a	ARP	Old	0	0	10.3	10
3	b8:d9:4d:61:85:64	01:80:c2:00:00:0e	GENER	Persistent	0	0	8.2	8
4	b8:d9:4d:61:85:64	01:80:c2:00:00:13	GENER	Persistent	0	0	8.2	8
5	192.168.0.112 : 63229	62.109.214.74 : 443	TCP	Persistent	0	0	25.7	2
6	62.109.214.74 : 443	192.168.0.112 : 63230	TCP	Persistent	4750	57787	25.9	0
7	62.109.232.63 : 443	192.168.0.112 : 63256	TCP	Persistent	0	0	25	1
8	62.109.232.63 : 9000	192.168.0.112 : 59537	UDP	Persistent	751	751	25.9	0
9	62.109.232.63 : 9000	192.168.0.112 : 59540	UDP	Persistent	8046	72479	25.9	0
10	192.168.0.112 : 52987	62.241.198.245 : 53	UDP	Persistent	0	0	1.9	1
11	192.168.0.112 : 63183	62.241.198.245 : 53	UDP	Persistent	0	0	1.9	1
12	80.75.96.37 : 143	192.168.0.112 : 65319	TCP	New	19032	229674	0.6	0
13	192.168.0.112 : 49224	85.23.94.194 : 443	TCP	Persistent	0	0	11.9	6
14	192.168.0.112 : 49225	85.23.94.194 : 443	TCP	Persistent	0	0	11.9	6
15	192.168.0.112 : 49231	85.23.94.194 : 443	TCP	Persistent	0	0	1.9	1
16	192.168.0.112 : 49232	85.23.94.194 : 443	TCP	Persistent	0	0	1.9	1
17	192.168.0.112 : 49217	91.197.85.151 : 443	TCP	Persistent	0	0	21.7	6
18	192.168.0.1 : 1901	239.255.255.250 : 1900	UDP	Persistent	0	0	9	9
19	192.168.0.100 : 123	192.168.0.112 : 123	UDP	Old	0	0	10.7	10
20	192.168.0.112 : 49891	192.168.0.100 : 55999	UDP	Persistent	0	4257742	25.9	0
21	192.168.0.100 : 63002	192.168.0.112 : 55999	UDP	Persistent	0	4225158	25.9	0
22	192.168.0.101 : 1900	239.255.255.250 : 1900	UDP	Persistent	0	0	6.9	6
23	192.168.0.112 : 54915	192.168.0.255 : 54915	UDP	Persistent	0	2439	25.2	0
24	192.168.0.112 : 123	194.100.49.152 : 123	UDP	Persistent	0	0	3.5	3

Flow map has a set of fixed columns. For more information on the columns and flow results in general, see Flow Results.

Column Header	Description
`Source`	The source address and port (if port number is available)
`Destination`	The source address and port, (if port number is available)
`Protocol`	The protocol above the address layer
`State`	0 = new, 1 = persistent, 2 = old

Column Header	Description
`Load [b/s] (downlink)`	The current throughput in the downlink (received direction)
`Load [b/s] (uplink)`	The current throughput in the uplink (sent direction)
`Age [s]`	The age of the flow in seconds
`Inactivity`	The time passed in seconds since the last packet detected in this flow

Each flow has a **state**, which can have one of three values:

- **New** - The flow is new and reported for the first time in the flow map
- **Persistent** - The flow is receiving packets or has been inactive less than the allowed inactivity time
- **Old** - The flow did not receive any more packets during the allowed inactivity period and will be removed the next time flow results arrive

The **inactivity** counts duration from the last received packet. If the flow is active, this number remains at or near zero. When inactivity begins to increase, the flow has either stopped or not receiving any more packets. Once it reaches the flow timeout, the flow is deemed ended and will be removed from the flow map.

⚠ No flows

If flows do not appear in the flow map during measurement:

- Check that flow results are selected in the Results Tab
- Check that the capture interface is pointing to the correct interface
- If using manual packet filter, make sure that the packet filter is not too strict
  - Test by switching to automatic filtering and see if flows begin to appear in the flow map