
IP Analytics™ - Advanced IP Traffic Analytics and Performance Monitoring

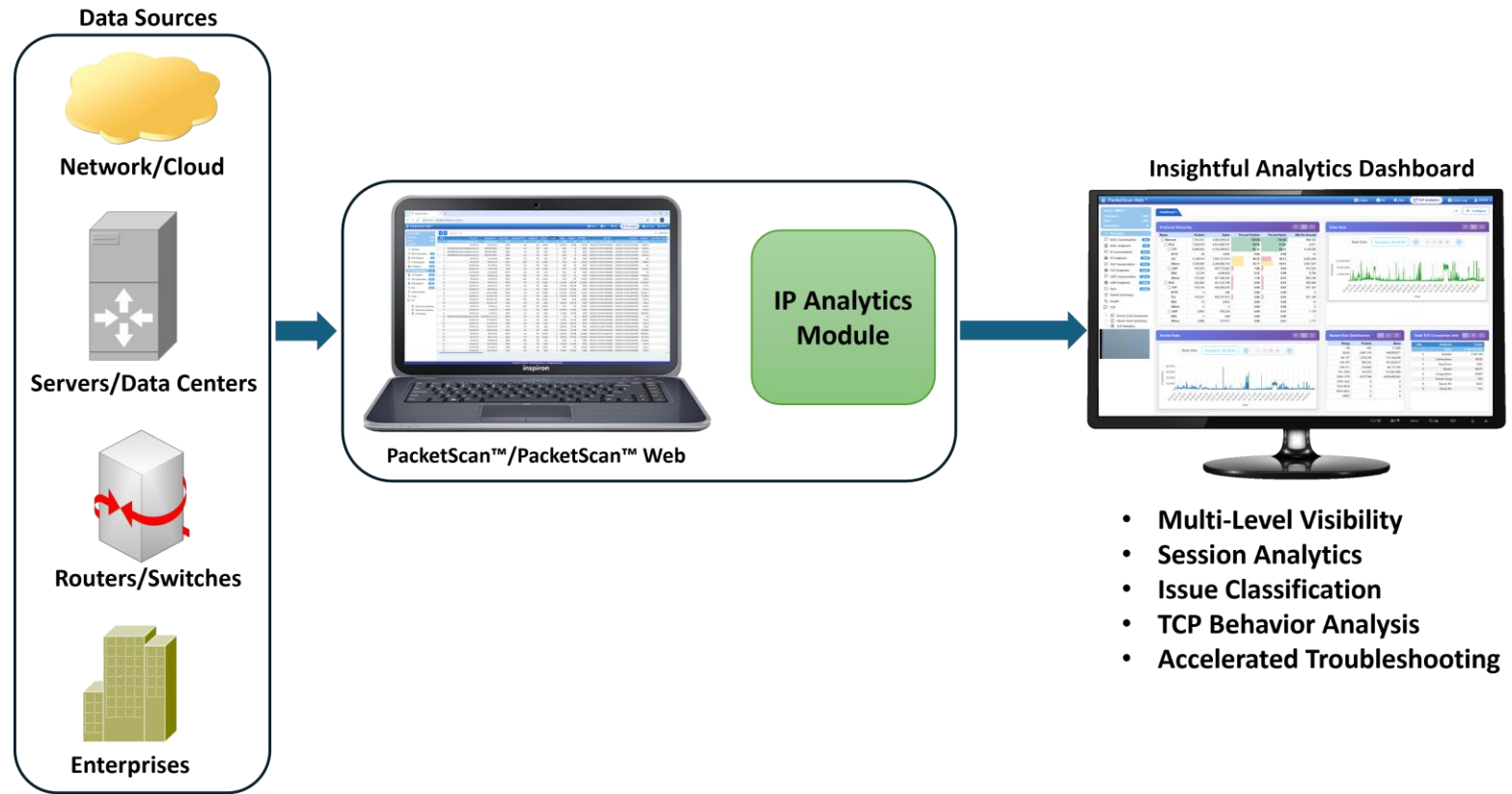
May 25, 2026



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IP Analytics™ Overview

- Advanced session-level visibility into IP network traffic for performance analysis and troubleshooting
- Supports real-time and offline traffic analytics across enterprise, telecom, and data center networks
- Organizes traffic into MAC, IP, TCP, and UDP conversation and endpoint-based analytical views
- Detects TCP performance conditions including RTT, retransmissions, congestion, packet loss, and connection resets
- Interactive dashboards with graphical visualization of throughput trends, traffic distribution, and session behavior
- Advanced filtering and TCP statistics for rapid root-cause identification and troubleshooting



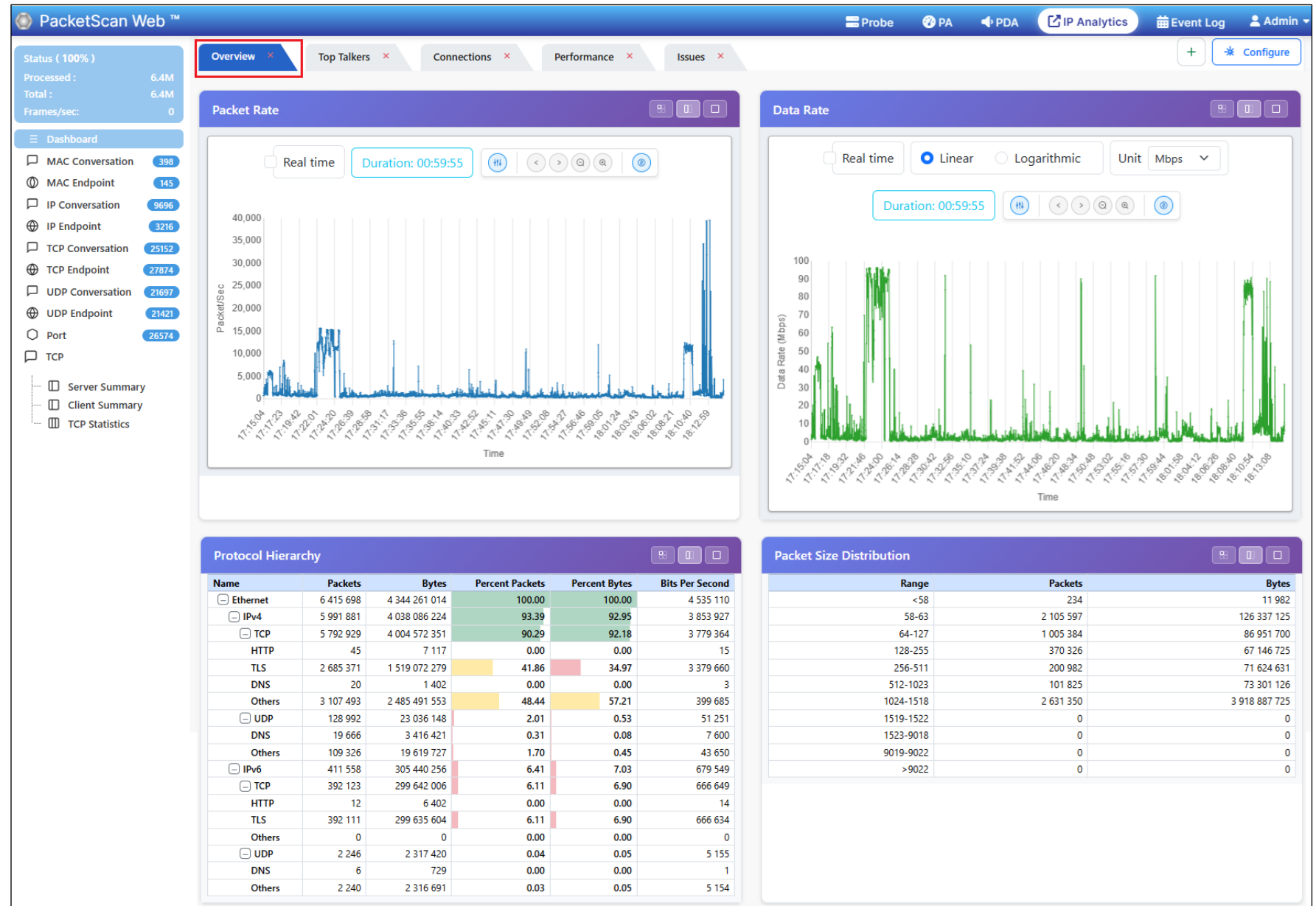
- Multi-Level Visibility
- Session Analytics
- Issue Classification
- TCP Behavior Analysis
- Accelerated Troubleshooting

How IP Analytics™ Helps Identify Root Cause

- PacketScan™ IP Analytics identifies whether performance issues originate from:
- **Network Issues**
 - High RTT
 - Retransmissions
 - Packet loss
 - Congestion window reduction
- **Server Issues**
 - Receive window limitation
 - Delayed ACK responses
 - Connection refusal events
- **Client Issues**
 - Slow ACK generation
 - Session setup delays
 - Limited transmit rate behavior

IP Analytics™ Dashboard (Overview)

- Centralized graphical and statistical view of captured IP network traffic
- Real-time visibility into traffic behavior, throughput trends, and protocol distribution
- Interactive **Packet Rate** and **Data Rate** graphs for traffic and performance analysis
- Dashboard views include Overview, Top Talkers, Connections, Performance, and Issues
- Identifies congestion conditions, retransmissions, latency issues, and abnormal traffic patterns
- Protocol hierarchy, packet size distribution, and TCP statistical summaries for rapid troubleshooting



Top Talkers Analysis

- Identifies high-bandwidth clients, servers, and applications generating maximum traffic
- Displays traffic contribution based on packets and byte volume
- Helps isolate bandwidth-heavy endpoints and abnormal traffic sources
- Supports rapid analysis of dominant network conversations and traffic utilization

The dashboard displays four panels for network analysis:

- Top Client By Bytes:** Shows the top 12 clients by total bytes transferred. The top client is 192.168.1.28 with 1.851 GB.
- Top Server By Bytes:** Shows the top 12 servers by total bytes transferred. The top server is 192.168.12.201 with 1.823 GB.
- Top Client By Packets:** Shows the top 12 clients by total packets. The top client is 192.168.1.28 with 2,076,726 packets.
- Top TCP Applications by Bytes:** Shows the top 12 TCP applications by total bytes. The top application is SMB with 2.171 GB.

Connections Analysis

- Provides visibility into TCP connection statistics and session behavior
- Analyzes retransmissions, resets, failures, and congestion-related events
- Helps identify unstable or degraded TCP sessions across the network
- Supports rapid troubleshooting of connection-related performance issues

The screenshot shows a network monitoring dashboard with the 'Connections' tab selected. The dashboard is divided into three main sections:

- Total TCP Connection Info (Total: 9):** A table showing various connection attributes and their counts.
- Connection Percentages (Total: 12):** A table showing the percentage distribution of different connection types.
- Connection Events Summary (Total: 18):** A table showing the frequency of various connection events.

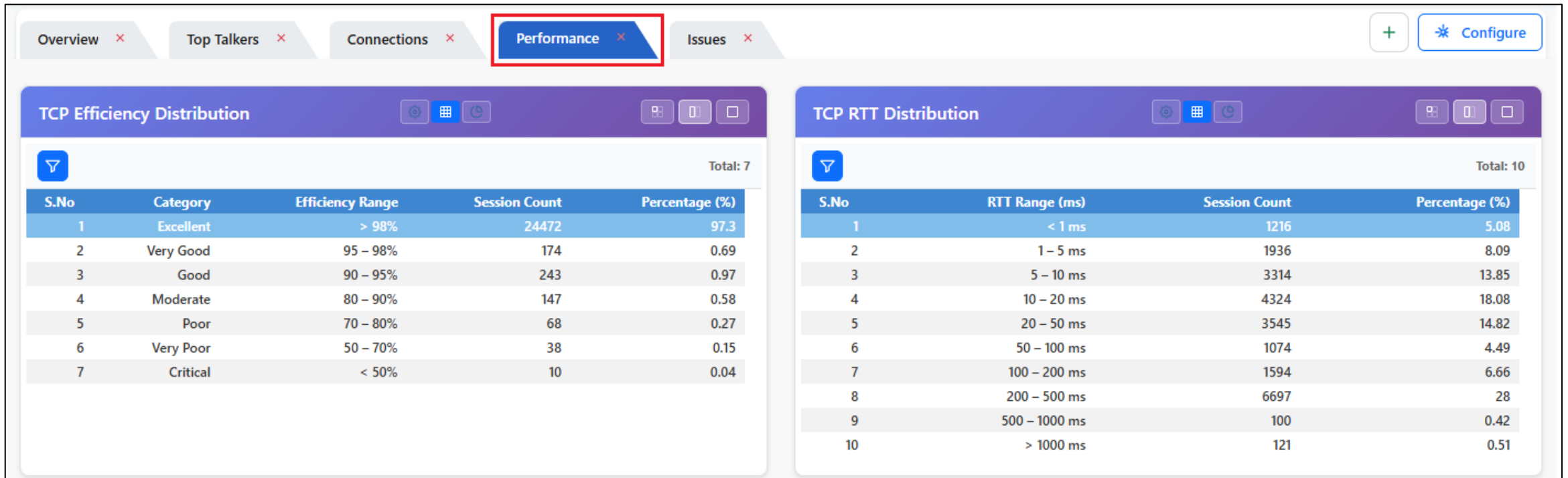
S.No	Attribute	Count
1	Bytes	4 302 910 323
2	Packets	6 181 069
3	Connections	25152
4	Seq Errors	2220
5	Resets	13790
6	Congestions	17247
7	Severe Cong	33
8	Server IPs	3004
9	Client IPs	169

S.No	Attribute	%
1	ClosCon Bytes	45.06
2	OpenCon Bytes	54.35
3	OrphCon Bytes	7.67
4	ClosCon Packets	49.01
5	OpenCon Packets	42.24
6	OrphCon Packets	15.62
7	ClosCon ServIP	84.69
8	OpenCon ServIP	2.86
9	OrphCon ServIP	27.1
10	ClosCon ClientIP	91.12
11	OpenCon ClientIP	28.99
12	OrphCon ClientIP	86.30

S.No	Attribute	Count
1	Connection Closed Normally	14998
2	Connection Partially Closed	1929
3	Connection Close Timeout	0
4	Connection End Not Captured	0
5	Network Congestion Detected	17247
6	Connection Established	1658
7	Connection Refused by Server	797
8	Repeated Acknowledgements	437
9	Connection Reset During Setup	954
10	Fast Packet Retransmission	236
11	Connection Forcefully Closed	5983
12	Connection Not Completed	30

Performance Analysis

- Displays TCP efficiency and RTT distribution for latency analysis
- Helps identify throughput degradation, latency variations, and congestion conditions
- Provides visibility into TCP performance behavior across captured sessions
- Enables efficient validation of network and application performance



Issues Analysis

- Highlights packet loss, retransmissions, congestion, and connection failures
- Helps rapidly identify abnormal traffic conditions and problematic sessions
- Provides focused visibility into network performance anomalies
- Accelerates root-cause identification and troubleshooting efficiency

The screenshot displays a network monitoring dashboard with the 'Issues' tab selected. It features three main panels, each with a search bar (e.g., 'e.g., port == 443') and a 'Total: 3027' indicator.

Top Server Not Accepting Connections

S.No	Server IP	Server Port	%RST	Total Connections
1	13.200.41.149	443	100	11
2	44.249.210.36	443	100	1
3	54.178.125.94	443	100	2
4	23.60.109.176	443	100	11
5	168.149.132.144	443	100	2
6	72.145.35.113	443	100	2
7	3.65.17.2	443	100	1
8	151.101.195.10	443	100	4
9	2603:1063:2200::13	443	100	2
10	44.222.2.231	443	100	3
11	2603:1061:1600:1d32::365:c0	443	100	3
12	122.62.54.4	443	100	2

Top Server with Severe Congestion

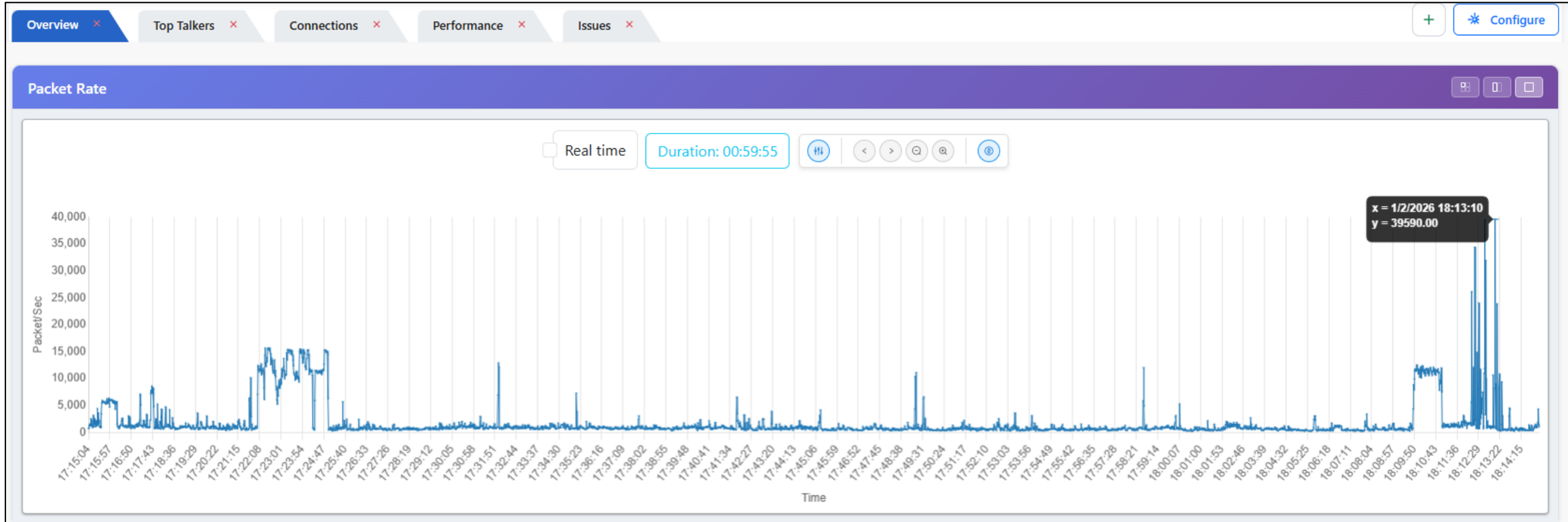
S.No	Server IP	Server Port	%Congestion
1	142.250.4.136	443	2.63
2	172.111.38.86	443	2.56
3	2404:6800:4002:827::2002	443	2.22
4	2603:1040:5b:1c1	443	2.13
5	2603:1046:c06:c53::2	443	1.89
6	52.113.158.72	443	1.23
7	106.51.45.48	443	1.21
8	34.111.211.209	443	1.16
9	34.36.54.80	443	1.06
10	2603:1040:a06:8::1f1	443	0.65
11	2404:6800:4007:83f::200e	443	0.63
12	142.251.222.128	443	0.62

Top Servers with PacketLoss/Retransmission

S.No	Server IP	Server Port	%SeqErr
1	2405:200:1608:1731::312c:7181	443	88.89
2	2a03:2880:f369:3:face:b00c:0:4c63	443	85.71
3	142.250.205.138	443	72.73
4	172.18.16.1	445	72.73
5	2405:200:1608:1731::312c:71a3	443	71.43
6	192.168.56.1	445	67.86
7	142.250.77.131	445	66.67
8	142.250.77.131	139	66.67
9	192.168.1.110	2425	60
10	129.227.192.19	443	52.94
11	91.108.56.166	443	51.61
12	2606:4700:2022::6915:241	443	50

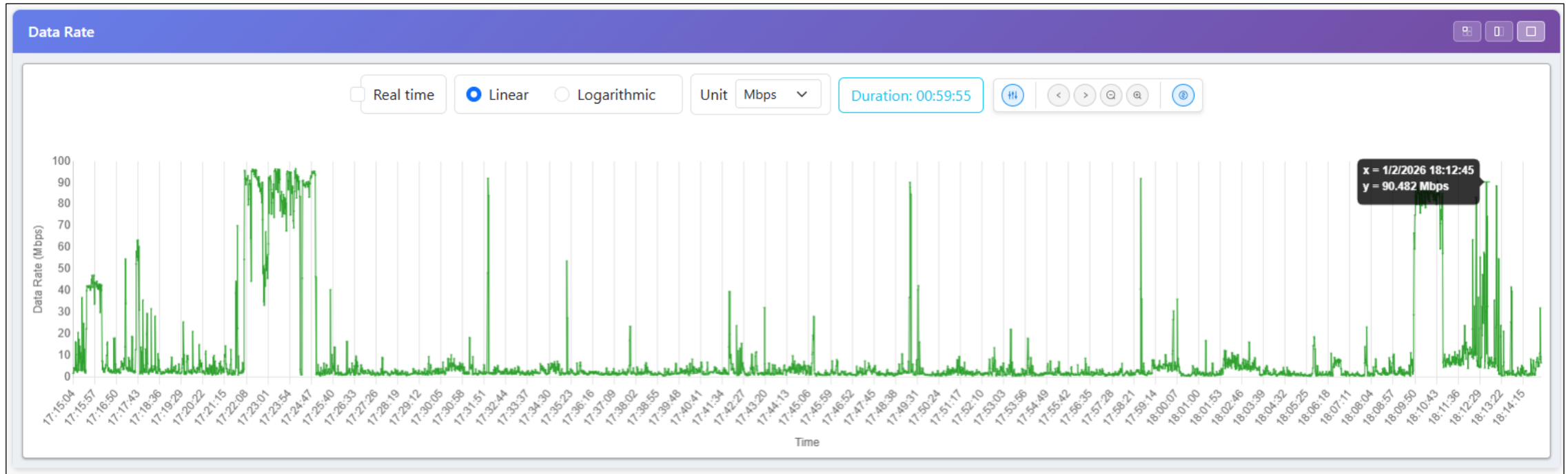
Packet Rate

- Displays packet processing activity over time to help analyze traffic trends and network behavior

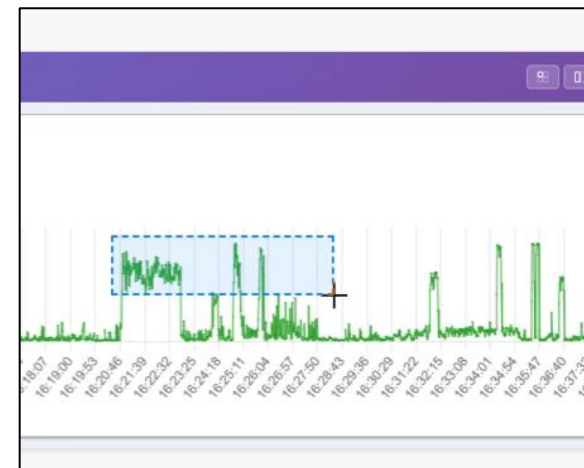


Data Rate

- Displays traffic throughput variations over time to help analyze bandwidth utilization and network traffic behavior



- Supports zoom-in analysis for detailed inspection of selected time intervals



Protocol Hierarchy

- Displays traffic distribution across protocol layers from Ethernet and IP to **TCP/UDP** and application-layer protocols such as **HTTP**, **TLS**, and **DNS**

Protocol Hierarchy					
Name	Packets	Bytes	Percent Packets	Percent Bytes	Bits Per Second
[-] Ethernet	6 415 698	4 344 261 014	100.00	100.00	4 535 110
[-] IPv4	5 991 881	4 038 086 224	93.39	92.95	3 853 927
[-] TCP	5 792 929	4 004 572 351	90.29	92.18	3 779 364
HTTP	45	7 117	0.00	0.00	15
TLS	2 685 371	1 519 072 279	41.86	34.97	3 379 660
DNS	20	1 402	0.00	0.00	3
Others	3 107 493	2 485 491 553	48.44	57.21	399 685
[-] UDP	128 992	23 036 148	2.01	0.53	51 251
DNS	19 666	3 416 421	0.31	0.08	7 600
Others	109 326	19 619 727	1.70	0.45	43 650
[-] IPv6	411 558	305 440 256	6.41	7.03	679 549
[-] TCP	392 123	299 642 006	6.11	6.90	666 649
HTTP	12	6 402	0.00	0.00	14
TLS	392 111	299 635 604	6.11	6.90	666 634
Others	0	0	0.00	0.00	0
[-] UDP	2 246	2 317 420	0.04	0.05	5 155
DNS	6	729	0.00	0.00	1
Others	2 240	2 316 691	0.03	0.05	5 154

Packet Size Distribution

- Displays traffic distribution across different packet-size ranges for traffic pattern and bandwidth analysis

Packet Size Distribution			
Range	Packets	Bytes	
<58	234	11 982	
58-63	2 105 597	126 337 125	
64-127	1 005 384	86 951 700	
128-255	370 326	67 146 725	
256-511	200 982	71 624 631	
512-1023	101 825	73 301 126	
1024-1518	2 631 350	3 918 887 725	
1519-1522	0	0	
1523-9018	0	0	
9019-9022	0	0	
>9022	0	0	

Endpoint Analysis

- Address (MAC/IP)
- Duration of traffic
- Packets (Forward / Backward / Total)
- Bytes (Forward / Backward / Total)
- Start and End Time
- Number of Conversations
- TCP Message counts (SYN, SYN-ACK, RST)

MAC Endpoint

- MAC Endpoint displays Layer-2 traffic statistics associated with individual MAC addresses observed in the captured trace

PacketScan Web™

Probe PA PDA IP Analytics Event Log Admin

Status (100%)

Processed : 6.4M
Total : 6.4M
Frames/sec: 0

Dashboard

MAC Conversation 398

MAC Endpoint 145

IP Conversation 9696

IP Endpoint 3216

TCP Conversation 25152

TCP Endpoint 27874

UDP Conversation 21730

UDP Endpoint 21454

Port 26584

TCP

Server Summary

Client Summary

TCP Statistics

Reports

e.g., port == 443 Total: 145

S.No	MAC Address	Duration	Bytes	Forward Bytes	Backward Bytes	Frames	Forward Frames	Backward Frames	Start Time	End Time	MAC Conversations	TCP Conversations
1	d0:37:45:bf:5a:16	59.717m	151.246 KB	59.939 KB	91.307 KB	672	467	205	2026/01/02 17:15:05.107332000	2026/01/02 18:14:48.138150000	6	12
2	d8:eb:97:b3:1f:5e	59.888m	19.782 MB	3.598 MB	16.184 MB	29822	13049	16773	2026/01/02 17:15:06.573017000	2026/01/02 18:14:59.873820000	4	261
3	33:33:00:01:00:03	56.683m	6.388 KB	0 B	6.388 KB	68	0	68	2026/01/02 17:15:07.277123000	2026/01/02 18:11:48.278676000	6	0
4	10:ff:e0:e5:70:dd	59.921m	34.573 MB	28.821 MB	5.752 MB	50023	29265	20758	2026/01/02 17:15:04.235680000	2026/01/02 18:14:59.483465000	3	167
5	10:ff:e0:e5:71:77	59.819m	900.562 KB	612.83 KB	287.732 KB	2585	1321	1264	2026/01/02 17:15:09.459845000	2026/01/02 18:14:58.571200000	2	111
6	b4:2e:99:a1:67:ca	58.390m	447.753 KB	273.47 KB	174.283 KB	953	581	372	2026/01/02 17:16:03.625344000	2026/01/02 18:14:27.032341000	4	19
7	a0:36:9f:02:f7:9d	59.922m	3.136 MB	831.762 KB	2.305 MB	7158	3170	3988	2026/01/02 17:15:04.201695000	2026/01/02 18:14:59.528377000	5	119
8	10:ff:e0:e5:73:1d	59.873m	3.921 MB	1.47 MB	2.451 MB	10850	5235	5615	2026/01/02 17:15:06.576473000	2026/01/02 18:14:58.956742000	4	255
9	40:8d:5c:70:50:73	59.825m	289.703 KB	151.595 KB	138.108 KB	2291	948	1343	2026/01/02 17:15:10.238190000	2026/01/02 18:14:59.740489000	3	486
10	3c:ec:ef:e3:12:13	59.181m	5.049 MB	1.493 MB	3.556 MB	9345	4136	5209	2026/01/02 17:15:05.081705000	2026/01/02 18:14:15.947168000	3	259
11	00:07:e9:b5:fe:67	58.095m	13.015 KB	7.973 KB	5.042 KB	138	95	43	2026/01/02 17:15:05.340161000	2026/01/02 18:13:11.068428000	3	1
12	74:56:3c:be:06:b2	59.910m	19.922 MB	13.372 MB	6.551 MB	78271	46737	31534	2026/01/02 17:15:04.956915000	2026/01/02 18:14:59.563793000	3	320
13	10:ff:e0:e5:6f:89	59.876m	2.835 MB	1.373 MB	1.462 MB	7353	3711	3642	2026/01/02 17:15:04.248406000	2026/01/02 18:14:56.784555000	3	154
14	10:ff:e0:e5:71:4b	59.765m	3.232 MB	839.239 KB	2.393 MB	6979	3136	3843	2026/01/02 17:15:07.996635000	2026/01/02 18:14:53.923046000	3	195
15	01:00:5e:00:00:fc	56.683m	7.271 KB	0 B	7.271 KB	99	0	99	2026/01/02 17:15:07.277205000	2026/01/02 18:11:48.278855000	13	0
16	10:ff:e0:7d:61:86	59.667m	1.668 MB	664.455 KB	1.004 MB	3291	1619	1672	2026/01/02 17:15:10.437624000	2026/01/02 18:14:50.445520000	2	79
17	74:56:3c:bf:79:fc	59.924m	75.449 MB	36.498 MB	38.951 MB	129 293	65289	64004	2026/01/02 17:15:04.332081000	2026/01/02 18:14:59.791008000	5	1034
18	46:e5:74:88:c0:ba	38.744m	4.303 KB	1.21 KB	3.093 KB	30	8	22	2026/01/02 17:23:56.638018000	2026/01/02 18:02:41.253140000	4	3
19	30:56:0f:0a:1b:0e	59.912m	3.323 MB	1.453 MB	1.87 MB	10124	5845	4279	2026/01/02 17:15:04.997946000	2026/01/02 18:14:59.712017000	3	111

MAC Conversation e.g., port == 443 Total: 6

S.No	MAC Address A	MAC Address B	Duration	Bytes	Forward Bytes	Backward Bytes	Frames	Forward Frames	Backward Frames	Start Time	End Time
1	33:33:00:00:00:fb	d0:37:45:bf:5a:16	1.009s	424 B	0 B	424 B	4	0	4	2026/01/02 17:42:41.978911000	2026/01/02 17:42:42.988343000
2	d0:37:45:bf:5a:16	01:00:5e:00:00:fc	418.758ms	320 B	320 B	0 B	4	4	0	2026/01/02 17:42:41.979566000	2026/01/02 17:42:42.398324000
3	d0:37:45:bf:5a:16	d8:23:e0:21:31:41	59.010m	76.467 KB	25.976 KB	50.491 KB	290	170	120	2026/01/02 17:15:05.107332000	2026/01/02 18:14:05.734001000
4	d0:37:45:bf:5a:16	ff:ff:ff:ff:ff:ff	59.262m	18.271 KB	18.271 KB	0 B	213	213	0	2026/01/02 17:15:32.389206000	2026/01/02 18:14:48.138150000
5	d0:37:45:bf:5a:16	33:33:00:01:00:03	418.896ms	400 B	400 B	0 B	4	4	0	2026/01/02 17:42:41.979427000	2026/01/02 17:42:42.398323000
6	d0:37:45:bf:5a:16	18:c2:41:73:ae:80	50.733m	55.364 KB	14.548 KB	40.816 KB	157	72	85	2026/01/02 17:20:49.622239000	2026/01/02 18:11:33.638679000

IP Endpoint

- The **IP Endpoint** displays Layer-3 traffic statistics associated with individual IP addresses observed in the captured trace

PacketScan Web™

Probe PA PDA IP Analytics Event Log Admin

Status (100%)

Processed : 6.4M
Total : 6.4M
Frames/sec: 0

Dashboard

MAC Conversation 398

MAC Endpoint 145

IP Conversation 9696

IP Endpoint 3216

TCP Conversation 25152

TCP Endpoint 27874

UDP Conversation 21730

UDP Endpoint 21454

Port 26584

TCP

Server Summary

Client Summary

TCP Statistics

Reports

e.g., port == 443 Total: 3216

S.No	IP Address	IP Conversations	TCP Conversations	UDP Conversations	Packets	Bytes	Start Time	End Time	Duration	Forward Packets	Backward Packets
1	104.208.16.91	26	49	0	1827	893.338 KB	2026/01/02 17:15:27.811808000	2026/01/02 18:14:29.487297000	59.028m	866	961
2	52.123.168.101	1	1	0	48	18.318 KB	2026/01/02 17:51:00.897509000	2026/01/02 17:53:35.781068000	2.581m	21	27
3	13.107.6.163	15	79	0	1929	790.995 KB	2026/01/02 17:15:12.851705000	2026/01/02 18:14:01.462671000	58.810m	1082	847
4	23.11.215.107	5	5	0	144	81.196 KB	2026/01/02 17:23:16.217868000	2026/01/02 18:08:30.856842000	45.244m	86	58
5	151.101.195.10	1	4	0	3672	245.001 KB	2026/01/02 17:20:43.597444000	2026/01/02 17:31:16.403749000	10.547m	1822	1850
6	52.123.253.111	1	1	0	121	107.716 KB	2026/01/02 18:14:12.227646000	2026/01/02 18:14:27.126093000	14.898s	80	41
7	2404:6800:4007:80c::2003	3	4	0	154	44.705 KB	2026/01/02 17:48:36.675754000	2026/01/02 18:09:02.608353000	20.432m	80	74
8	2603:1046:c06:c13::2	1	1	0	1	74 B	2026/01/02 17:38:44.267713000	2026/01/02 17:38:44.267713000	0ns	1	0
9	2603:1063:c::5b	1	2	0	483	186.492 KB	2026/01/02 17:19:43.388319000	2026/01/02 17:41:48.968437000	22.093m	239	244
10	2606:4700:9c62:7cbcc2fe:fa:5ff2:75c4	1	1	0	12	966 B	2026/01/02 17:15:26.549323000	2026/01/02 17:17:36.719625000	2.170m	6	6
11	20.60.59.33	2	2	0	227	201.349 KB	2026/01/02 18:05:08.792461000	2026/01/02 18:08:39.882235000	3.518m	87	140
12	192.168.1.129	2	0	13	721	161.281 KB	2026/01/02 17:15:25.957502000	2026/01/02 18:14:59.372278000	59.557m	709	12
13	13.234.246.132	2	2	0	719	50.852 KB	2026/01/02 17:15:21.677588000	2026/01/02 18:14:43.240332000	59.359m	359	360
14	40.104.146.162	3	4	0	1066	179.59 KB	2026/01/02 17:15:13.963917000	2026/01/02 18:14:56.874544000	59.715m	548	518
15	192.168.12.97	2	0	2	4	1.836 KB	2026/01/02 17:27:06.861413000	2026/01/02 17:53:09.770021000	26.048m	3	1
16	52.113.11.84	1	1	0	1165	127.88 KB	2026/01/02 17:15:04.459464000	2026/01/02 17:19:16.976660000	4.209m	574	591
17	40.90.130.199	1	1	0	23	13.726 KB	2026/01/02 17:38:09.942501000	2026/01/02 17:40:02.125828000	1.870m	12	11
18	104.18.16.121	1	1	0	13	4.768 KB	2026/01/02 17:51:16.074565000	2026/01/02 17:51:43.654835000	27.580s	6	7
19	142.251.221.100	5	5	1	114	39.123 KB	2026/01/02 17:23:28.689658000	2026/01/02 18:14:39.226597000	51.176m	65	49
20	40.79.173.40	9	9	0	319	146.8 KB	2026/01/02 17:27:30.747477000	2026/01/02 17:30:37.898069000	3.119m	160	159

e.g., port == 443 Total: 26

S.No	IP Address A	IP Address B	TCP Conversations	UDP Conversations	Packets	Bytes	Start Time	End Time	Duration	Forward Packets	Backward Packets	Forward Bytes	Backward Bytes
1	192.168.1.17	104.208.16.91	3	0	110	48.962 KB	2026/01/02 17:15:53.092236000	2026/01/02 18:12:48.694479000	56.927m	59	51	24.78 KB	24.78 KB
2	192.168.1.4	104.208.16.91	1	0	24	8.72 KB	2026/01/02 17:56:19.829251000	2026/01/02 17:56:21.141029000	1.312s	12	12	3.322 KB	3.322 KB
3	192.168.1.98	104.208.16.91	1	0	35	16.84 KB	2026/01/02 17:48:19.499774000	2026/01/02 17:50:23.698575000	2.070m	17	18	8.839 KB	8.839 KB
4	192.168.1.181	104.208.16.91	1	0	29	10.866 KB	2026/01/02 17:55:47.319098000	2026/01/02 17:55:48.844102000	1.525s	15	14	5.246 KB	5.246 KB
5	192.168.1.31	104.208.16.91	4	0	86	48.535 KB	2026/01/02 17:56:48.075530000	2026/01/02 18:14:29.487297000	17.690m	42	44	18.391 KB	18.391 KB
6	192.168.1.146	104.208.16.91	1	0	3	180 B	2026/01/02 17:15:27.811808000	2026/01/02 17:15:28.057627000	245.819ms	2	1	120 B	120 B
7	192.168.1.151	104.208.16.91	3	0	76	32.847 KB	2026/01/02 17:56:05.764077000	2026/01/02 18:05:49.944206000	9.736m	42	34	12.374 KB	12.374 KB
8	192.168.1.63	104.208.16.91	1	0	84	34.838 KB	2026/01/02 17:16:24.656134000	2026/01/02 17:26:16.025876000	9.856m	45	39	23.667 KB	23.667 KB
9	192.168.1.21	104.208.16.91	3	0	70	29.033 KB	2026/01/02 17:56:39.609019000	2026/01/02 17:58:43.300225000	2.062m	37	33	8.476 KB	8.476 KB
10	192.168.1.45	104.208.16.91	1	0	161	77.421 KB	2026/01/02 17:16:14.254570000	2026/01/02 17:24:55.702723000	8.691m	89	72	60.66 KB	60.66 KB
11	192.168.1.151	104.208.16.91	1	0	124	84.746 KB	2026/01/02 17:30:24.734300000	2026/01/02 17:30:56.144017000	31.431s	73	51	83.805 KB	83.805 KB

TCP EndPoint

- The **TCP Endpoint** displays TCP traffic statistics associated with individual IP address and port combinations

PacketScan Web Probe PA PDA IP Analytics Event Log Admin

Status (100%)

Processed : 6.4M
Total : 6.4M
Frames/sec: 0

Dashboard

- MAC Conversation 398
- MAC Endpoint 145
- IP Conversation 9696
- IP Endpoint 3216
- TCP Conversation 25152
- TCP Endpoint 27874**
- UDP Conversation 21730
- UDP Endpoint 21454
- Port 26584

Server Summary
Client Summary
TCP Statistics

Reports

Search: e.g., port == 443 Total: 27874

S.No	IP Address	Port	TCP Conversations	Packets	Bytes	Forward Packets	Backward Packets	Forward Bytes	Backward Bytes	TCP SYN Sent	TCP SYN Received	TCP SYN-ACK Sent
1	192.168.1.229	63434	1	21	6.699 KB	11	10	1.895 KB	4.804 KB	0	0	0
2	2409:4091:903e:a407:3e2f:e0d2:9668:972c	62530	1	33	11.705 KB	18	15	3.727 KB	7.978 KB	0	0	0
3	192.168.1.22	55746	1	27	12.627 KB	15	12	6.489 KB	6.138 KB	0	0	0
4	192.168.1.63	57988	1	19	3.806 KB	9	10	1.633 KB	2.173 KB	0	0	0
5	192.168.1.28	55935	1	30	10.657 KB	16	14	4.186 KB	6.471 KB	0	0	0
6	192.168.1.27	57065	1	22	8.256 KB	11	11	2.662 KB	5.594 KB	0	0	0
7	192.168.1.48	58256	1	21	8.542 KB	9	12	2.551 KB	5.991 KB	0	0	0
8	192.168.1.43	49725	1	51	19.339 KB	21	30	6.1 KB	13.239 KB	0	0	0
9	192.168.12.83	58003	1	14	1.764 KB	8	6	964 B	800 B	1	0	0
10	192.168.1.35	51790	1	23	11.174 KB	12	11	3.638 KB	7.536 KB	0	0	0
11	192.168.1.65	57661	1	24	10.054 KB	12	12	1.737 KB	8.317 KB	0	0	0
12	2409:4091:903e:a407:f4fc:155f:3e0e:45d5	54383	1	65	43.335 KB	33	32	14.242 KB	29.093 KB	0	0	0
13	192.168.1.31	57356	1	109	84.676 KB	65	44	73.576 KB	11.1 KB	0	0	0
14	192.168.1.82	54470	1	14	2.862 KB	6	8	1.321 KB	1.541 KB	0	0	0
15	192.168.1.26	64642	1	43	18.9 KB	19	24	9.933 KB	8.967 KB	0	0	0
16	192.168.12.52	55995	1	16	2.188 KB	9	7	1.186 KB	1.002 KB	1	0	0
17	192.168.1.83	59005	1	17	1.232 KB	6	11	465 B	767 B	0	0	0
18	192.168.1.44	60292	1	27	6.421 KB	13	14	1.811 KB	4.61 KB	0	0	0
19	192.168.1.49	63865	1	34	16.627 KB	17	17	11.635 KB	4.992 KB	0	0	0
20	192.168.12.91	53977	1	14	2.53 KB	8	6	1.482 KB	1.048 KB	0	0	0
21	2409:4091:903e:a407:b7d6:6b6c:bdd3:c33	51286	1	73	36.483 KB	33	40	21.075 KB	15.408 KB	0	0	0
22	2409:4091:903e:a407:16f1:8ca9:1546:e4d4	55834	1	77	14.824 KB	38	39	5.765 KB	9.059 KB	0	0	0

Search: e.g., port == 443 Total: 1

S.No	Source IP	Destination IP	Source Port	Destination Port	Efficiency %	Events	Bytes	Packets	Payload	Start Time	End Time	Duration	Forward Congestion rWindow
1	192.168.1.229	52.183.220.149	63434	443	100	0x2800	6.699 KB	21	5.505 KB	2026/01/02 17:31:09.970811000	2026/01/02 17:31:11.215796000	1.245s	11

UDP Endpoint

- The **UDP Endpoint** displays UDP traffic statistics associated with individual IP address and port combinations

The screenshot displays the PacketScan Web interface. On the left, a sidebar shows navigation options and statistics for various protocols. The 'UDP Endpoint' category is highlighted with a red box, showing a total of 21454 endpoints. The main area features a search bar with the query 'e.g., port == 443' and a search icon. Below the search bar is a table with 13 columns: S.No, IP Address, Port, UDP Conversations, Packets, Bytes, Forward Packets, Backward Packets, Forward Bytes, Backward Bytes, Start Time, End Time, and Duration. The table lists 23 rows of UDP traffic data. At the bottom, there is a 'UDP Conversation' section with a search bar and a table with 13 columns: S.No, Source IP, Destination IP, Source Port, Destination Port, Packets, Bytes, Payload, Start Time, End Time, Duration, Forward Packets, Backward Packets, and Forward Bytes. This table shows a single row of traffic from 192.168.1.227 to 8.8.8.8 on port 49218.

S.No	IP Address	Port	UDP Conversations	Packets	Bytes	Forward Packets	Backward Packets	Forward Bytes	Backward Bytes	Start Time	End Time	Duration
1	192.168.1.227	49218	1	1	342 B	0	1	0 B	342 B	2026/01/02 17:58:03.096945000	2026/01/02 17:58:03.096945000	0ns
2	192.168.1.83	52354	1	1	124 B	0	1	0 B	124 B	2026/01/02 18:10:10.747307000	2026/01/02 18:10:10.747307000	0ns
3	192.168.1.196	53821	1	1	276 B	0	1	0 B	276 B	2026/01/02 18:12:18.589991000	2026/01/02 18:12:18.589991000	0ns
4	192.168.1.21	62016	1	1	124 B	0	1	0 B	124 B	2026/01/02 17:47:09.675847000	2026/01/02 17:47:09.675847000	0ns
5	192.168.1.83	49545	1	1	169 B	0	1	0 B	169 B	2026/01/02 17:21:21.630160000	2026/01/02 17:21:21.630160000	0ns
6	192.168.1.80	54383	1	2	705 B	0	2	0 B	705 B	2026/01/02 17:20:21.801961000	2026/01/02 17:20:21.961168000	159.207ms
7	192.168.1.72	54124	1	4	817 B	0	4	0 B	817 B	2026/01/02 17:18:58.253051000	2026/01/02 17:27:31.501176000	8.554m
8	192.168.1.199	57666	1	1	82 B	1	0	82 B	0 B	2026/01/02 17:24:27.598021000	2026/01/02 17:24:27.598021000	0ns
9	192.168.1.63	59860	1	1	107 B	0	1	0 B	107 B	2026/01/02 18:00:36.609848000	2026/01/02 18:00:36.609848000	0ns
10	192.168.1.56	55458	1	1	232 B	0	1	0 B	232 B	2026/01/02 17:56:18.596297000	2026/01/02 17:56:18.596297000	0ns
11	192.168.1.48	65385	1	1	139 B	0	1	0 B	139 B	2026/01/02 18:14:29.187783000	2026/01/02 18:14:29.187783000	0ns
12	192.168.1.83	53295	1	1	129 B	0	1	0 B	129 B	2026/01/02 18:14:00.708577000	2026/01/02 18:14:00.708577000	0ns
13	192.168.1.96	50383	1	1	222 B	0	1	0 B	222 B	2026/01/02 17:24:53.730959000	2026/01/02 17:24:53.730959000	0ns
14	192.168.1.204	39827	1	1	96 B	0	1	0 B	96 B	2026/01/02 17:41:48.411697000	2026/01/02 17:41:48.411697000	0ns
15	192.168.1.31	59751	1	1	215 B	0	1	0 B	215 B	2026/01/02 17:42:43.992065000	2026/01/02 17:42:43.992065000	0ns
16	192.168.1.89	61719	1	1	105 B	0	1	0 B	105 B	2026/01/02 17:25:53.081743000	2026/01/02 17:25:53.081743000	0ns
17	192.168.1.82	54640	1	1	355 B	0	1	0 B	355 B	2026/01/02 17:50:45.308365000	2026/01/02 17:50:45.308365000	0ns
18	192.168.1.196	62258	1	1	138 B	0	1	0 B	138 B	2026/01/02 17:58:06.068884000	2026/01/02 17:58:06.068884000	0ns
19	192.168.1.83	57358	2	30	3.371 KB	27	3	3.062 KB	309 B	2026/01/02 17:26:14.524399000	2026/01/02 17:26:17.676571000	3.152s
20	192.168.1.21	58512	1	1	119 B	0	1	0 B	119 B	2026/01/02 17:39:58.667766000	2026/01/02 17:39:58.667766000	0ns
21	192.168.1.17	55828	1	1	276 B	0	1	0 B	276 B	2026/01/02 17:48:17.692406000	2026/01/02 17:48:17.692406000	0ns
22	192.168.1.1	48125	1	2	291 B	1	1	92 B	199 B	2026/01/02 18:09:52.578883000	2026/01/02 18:09:52.580878000	1.995ms
23	192.168.1.25	56532	1	1	91 B	0	1	0 B	91 B	2026/01/02 17:52:43.726072000	2026/01/02 17:52:43.726072000	0ns

S.No	Source IP	Destination IP	Source Port	Destination Port	Packets	Bytes	Payload	Start Time	End Time	Duration	Forward Packets	Backward Packets	Forward Bytes
1	192.168.1.227	8.8.8.8	49218	53	1	342 B	300 B	2026/01/02 17:58:03.096945000	2026/01/02 17:58:03.096945000	0ns	0	1	0 B

Conversation Analytics

- Between two endpoints
- Includes endpoint-level metrics such as:
 - Packets, Bytes
 - Duration
 - TCP events
- Helps isolate whether performance issues originate from the client endpoint, server endpoint, or the network path between them

MAC Conversation

- The **MAC Conversation** displays communication statistics between pairs of MAC addresses observed in the captured trace

PacketScan Web™

Probe PA PDA IP Analytics Event Log Admin

Status (100%)

Processed: 6.4M
Total: 6.4M
Frames/sec: 0

Dashboard

MAC Conversation 398

MAC Endpoint 145
IP Conversation 9696
IP Endpoint 3216
TCP Conversation 25152
TCP Endpoint 27874
UDP Conversation 21730
UDP Endpoint 21454
Port 26584
TCP

Server Summary
Client Summary
TCP Statistics

Reports

e.g., port == 443 Total: 398

S.No	MAC Address A	MAC Address B	Duration	Bytes	Forward Bytes	Backward Bytes	Frames	Forward Frames	Backward Frames	Start Time	End Time
1	ff:ff:ff:ff:ff:ff	1c:1b:0d:16:bd:56	611.719ms	960 B	0 B	960 B	4	0	4	2026/01/02 17:19:17.392554000	2026/01/02 17:19:18.004270000
2	c2:ad:63:d4:38:d5	18:c2:41:73:ae:80	59.066m	981.746 KB	463.361 KB	518.385 KB	2601	1280	1321	2026/01/02 17:15:13.483952000	2026/01/02 18:14:17.414696000
3	18:c2:41:73:ae:80	74:56:3c:bf:79:fc	59.924m	16.961 MB	10.22 MB	6.741 MB	51267	26561	24706	2026/01/02 17:15:04.332081000	2026/01/02 18:14:59.791008000
4	33:33:00:00:00:fb	1c:1b:0d:67:36:ea	0ns	107 B	0 B	107 B	1	0	1	2026/01/02 18:00:23.811098000	2026/01/02 18:00:23.811098000
5	e0:d5:5ea4:d0:7e	d8:23:e0:21:31:41	59.677m	674.176 KB	163.466 KB	510.71 KB	1458	675	783	2026/01/02 17:15:08.600557000	2026/01/02 18:14:49.198283000
6	10:ffe0:e6:f3:c7	d8:23:e0:21:31:41	59.834m	1.54 MB	277.968 KB	1.262 MB	3337	1458	1879	2026/01/02 17:15:06.000398000	2026/01/02 18:14:56.016503000
7	10:ffe0:7d:61:86	18:c2:41:73:ae:80	59.667m	1.667 MB	663.24 KB	1.004 MB	3286	1614	1672	2026/01/02 17:15:10.437624000	2026/01/02 18:14:50.445520000
8	01:00:5e:00:00:fb	1c:1b:0d:67:36:ea	51.202m	813 B	0 B	813 B	3	0	3	2026/01/02 17:15:54.928423000	2026/01/02 18:07:07.050127000
9	ff:ff:ff:ff:ff:ff	10:ffe0:7d:65:01	48.713m	4.171 KB	0 B	4.171 KB	25	0	25	2026/01/02 17:17:21.304040000	2026/01/02 18:06:04.082920000
10	ff:ff:ff:ff:ff:ff	e0:d5:5e:d3:79:6d	47.907m	1.917 KB	0 B	1.917 KB	8	0	8	2026/01/02 17:20:58.151955000	2026/01/02 18:08:52.588263000
11	ff:ff:ff:ff:ff:ff	10:ffe0:e5:72:ed	47.987m	1.215 KB	0 B	1.215 KB	5	0	5	2026/01/02 17:16:37.904889000	2026/01/02 18:04:03.715171000
12	33:33:00:00:00:fb	24:b1:05:79:3b:d7	59.901m	1.042 MB	0 B	1.042 MB	1645	0	1645	2026/01/02 17:15:04.311613000	2026/01/02 18:14:58.370516000
13	54:b2:03:1a:d8:8e	01:00:5e:7f:ff:fa	2.191m	1.074 KB	1.074 KB	0 B	6	6	0	2026/01/02 17:29:45.264592000	2026/01/02 17:31:56.720243000
14	01:00:5e:00:00:fb	3c:6f:ea:01:3a:f2	0ns	334 B	0 B	334 B	1	0	1	2026/01/02 17:22:27.204013000	2026/01/02 17:22:27.204013000
15	01:00:5e:00:00:fb	a0:36:9f:02:f7:9d	59.557m	316.668 KB	0 B	316.668 KB	819	0	819	2026/01/02 17:15:26.056616000	2026/01/02 18:14:59.482809000
16	01:00:5e:00:00:fb	80:e8:2c:a9:de:1a	38.594m	13.482 KB	0 B	13.482 KB	18	0	18	2026/01/02 17:16:30.491886000	2026/01/02 17:55:06.148964000
17	10:ffe0:e5:73:1d	01:00:5e:7f:ff:fa	31.333m	1.074 KB	1.074 KB	0 B	6	6	0	2026/01/02 17:25:32.221960000	2026/01/02 17:56:52.201716000
18	10:ffe0:e6:f2:2f	01:00:5e:7f:ff:fa	45.563m	30.789 KB	30.789 KB	0 B	67	67	0	2026/01/02 17:22:03.898920000	2026/01/02 18:07:37.693986000
19	10:ffe0:e6:f2:6d	18:c2:41:73:ae:80	59.901m	5.183 MB	2.113 MB	3.07 MB	19465	9139	10326	2026/01/02 17:15:05.308133000	2026/01/02 18:14:59.373309000
20	3c:ec:ef:e3:12:13	01:00:5e:7f:ff:fa	5.991s	537 B	537 B	0 B	3	3	0	2026/01/02 17:56:30.865905000	2026/01/02 17:56:36.857098000
21	ff:ff:ff:ff:ff:ff	30:56:0f:0a:1b:17	47.984m	1.215 KB	0 B	1.215 KB	5	0	5	2026/01/02 17:15:58.831619000	2026/01/02 18:03:57.874527000
22	33:33:00:00:00:fb	d0:37:45:bf:5a:16	1.009s	424 B	0 B	424 B	4	0	4	2026/01/02 17:42:41.978911000	2026/01/02 17:42:42.988343000
23	40:8d:5c:70:50:73	d8:23:e0:21:31:41	59.013m	73.4 KB	42.508 KB	30.892 KB	268	150	118	2026/01/02 17:15:40.292289000	2026/01/02 18:14:41.085258000
24	ff:ff:ff:ff:ff:ff	d8:eb:97:b3:1f:5e	48.023m	1.215 KB	0 B	1.215 KB	5	0	5	2026/01/02 17:18:49.406446000	2026/01/02 18:06:50.795860000
25	d0:37:45:bf:5a:16	01:00:5e:00:00:fc	418.758ms	320 B	320 B	0 B	4	4	0	2026/01/02 17:42:41.979566000	2026/01/02 17:42:42.398324000
26	10:ffe0:e5:71:74	01:00:5e:7f:ff:fa	39.701m	895 B	895 B	0 B	5	5	0	2026/01/02 17:15:04.702977000	2026/01/02 17:54:46.792651000
27	10:ffe0:7d:65:01	01:00:5e:7f:ff:fa	46.202m	17.385 KB	17.385 KB	0 B	42	42	0	2026/01/02 17:19:54.493811000	2026/01/02 18:06:06.607864000
28	01:00:5e:00:00:fb	3c:6f:ea:01:38:4d	0ns	334 B	0 B	334 B	1	0	1	2026/01/02 17:22:27.271996000	2026/01/02 17:22:27.271996000
29	10:ffe0:e6:f2:6a	d8:23:e0:21:31:41	59.738m	4.18 MB	1.011 MB	3.169 MB	8454	3820	4634	2026/01/02 17:15:08.579007000	2026/01/02 18:14:52.833166000
30	d8:eb:97:b3:1f:5e	d8:23:e0:21:31:41	59.888m	19.672 MB	3.595 MB	16.077 MB	29352	13035	16317	2026/01/02 17:15:06.573017000	2026/01/02 18:14:59.873820000
31	10:ffe0:e5:6e:fc	01:00:5e:7f:ff:fa	6.001s	537 B	537 B	0 B	3	3	0	2026/01/02 17:19:16.322855000	2026/01/02 17:19:22.323939000
32	00:17:61:12:58:af	10:ffe0:7d:62:c2	0ns	103 B	0 B	103 B	1	0	1	2026/01/02 17:27:06.831471000	2026/01/02 17:27:06.831471000
33	d8:5e:d3:8b:10:72	01:00:5e:7f:ff:fa	6.028s	537 B	537 B	0 B	3	3	0	2026/01/02 17:19:19.457617000	2026/01/02 17:19:25.485226000
34	01:00:5e:00:00:fb	18:c0:4d:8b:b1:08	412.220ms	207 B	0 B	207 B	3	0	3	2026/01/02 17:45:09.164869000	2026/01/02 17:45:09.577089000
35	3c:6f:ea:01:39:32	18:c2:41:73:ae:80	59.669m	17.46 KB	0 B	17.46 KB	182	0	182	2026/01/02 17:15:09.678139000	2026/01/02 18:14:49.817639000

IP Conversation

- The **IP Conversation** displays Layer-3 communication statistics between pairs of IP addresses observed in the captured trace

The screenshot displays the PacketScan Web IP Analytics interface. On the left, a sidebar shows navigation options: Dashboard, MAC Conversation (398), MAC Endpoint (145), **IP Conversation (9696)**, IP Endpoint (3216), TCP Conversation (25152), TCP Endpoint (27874), UDP Conversation (21730), UDP Endpoint (21454), Port (26584), and TCP. Below these are expandable sections for Server Summary, Client Summary, and TCP Statistics, and a Reports section.

The main area shows a table of IP conversations with a search filter 'e.g., port == 443' and a total count of 9696. The table columns are: S.No, IP Address A, IP Address B, TCP Conversations, UDP Conversations, Packets, Bytes, Start Time, End Time, Duration, Forward Packets, and Backward Packets.

S.No	IP Address A	IP Address B	TCP Conversations	UDP Conversations	Packets	Bytes	Start Time	End Time	Duration	Forward Packets	Backward Packets
1	192.168.1.52	8.8.8.8	0	58	58	14.468 KB	2026/01/02 17:15:24.005722000	2026/01/02 18:14:56.898656000	59.548m	0	0
2	224.0.0.251	192.168.1.136	0	1	796	282.215 KB	2026/01/02 17:15:25.958096000	2026/01/02 18:14:59.372681000	59.557m	0	0
3	192.168.1.85	192.168.1.255	0	181	185	15.975 KB	2026/01/02 17:15:13.204335000	2026/01/02 18:14:20.451002000	59.121m	185	0
4	192.168.1.60	8.8.8.8	0	586	599	88.616 KB	2026/01/02 17:15:09.404433000	2026/01/02 18:14:42.912332000	59.558m	0	0
5	192.168.1.65	104.208.16.90	1	0	20	8.754 KB	2026/01/02 18:07:03.408998000	2026/01/02 18:08:46.342130000	1.716m	10	0
6	192.168.12.83	192.168.1.18	0	1	1	154 B	2026/01/02 18:11:30.147375000	2026/01/02 18:11:30.147375000	0ns	0	0
7	192.168.1.255	192.168.1.93	0	1	5	1.215 KB	2026/01/02 17:18:33.654888000	2026/01/02 18:06:41.283545000	48.127m	0	0
8	192.168.1.255	192.168.1.76	0	1	5	1.215 KB	2026/01/02 17:18:57.386568000	2026/01/02 18:06:56.684192000	47.988m	0	0
9	192.168.1.34	192.168.13.90	0	1	2	256 B	2026/01/02 17:53:03.305725000	2026/01/02 17:53:08.955468000	5.650s	0	0
10	192.168.1.150	52.123.129.14	1	0	23	9.967 KB	2026/01/02 18:00:17.638059000	2026/01/02 18:01:17.910616000	1.005m	10	0
11	192.168.1.255	192.168.1.50	0	2	8	1.491 KB	2026/01/02 17:20:59.029969000	2026/01/02 18:08:57.942861000	47.982m	0	0
12	192.168.12.232	192.168.1.95	0	1	2	282 B	2026/01/02 17:43:34.914342000	2026/01/02 17:43:39.346526000	4.432s	0	0
13	192.168.12.95	192.168.1.169	0	1	2	302 B	2026/01/02 18:00:13.217077000	2026/01/02 18:00:17.704160000	4.487s	0	0
14	192.168.12.83	192.168.1.44	0	1	2	304 B	2026/01/02 18:11:30.219686000	2026/01/02 18:11:34.441795000	4.222s	0	0
15	192.168.12.201	192.168.1.11	0	1	2	1.579 KB	2026/01/02 17:27:06.845908000	2026/01/02 17:27:06.924101000	78.193ms	1	0
16	192.168.12.83	192.168.1.54	0	1	2	294 B	2026/01/02 18:11:30.284442000	2026/01/02 18:11:33.602930000	3.318s	0	0
17	192.168.12.232	192.168.1.63	0	1	2	304 B	2026/01/02 17:43:34.515452000	2026/01/02 17:43:38.074006000	3.559s	0	0
18	192.168.1.1	192.168.1.199	0	4	8	1.164 KB	2026/01/02 17:17:32.588387000	2026/01/02 17:52:37.206714000	35.077m	4	0
19	224.0.0.251	192.168.1.35	0	1	6	516 B	2026/01/02 17:40:42.098862000	2026/01/02 17:40:42.940334000	841.472ms	0	0
20	192.168.1.138	8.8.8.8	0	14	25	5.507 KB	2026/01/02 17:16:17.546769000	2026/01/02 18:09:36.301450000	53.313m	0	0
21	192.168.12.83	192.168.1.35	0	1	2	290 B	2026/01/02 17:38:12.878277000	2026/01/02 18:11:34.778619000	5.140s	0	0
22	192.168.1.169	142.251.223.234	0	1	30	15.906 KB	2026/01/02 17:38:12.878277000	2026/01/02 17:38:12.987057000	108.780ms	15	0
23	2400:4001:903e:a407:4ff4:3a7d:d4ab:bfd	2603:1063:27:2-14	7	0	544	302.93 KB	2026/01/02 17:26:49.703395000	2026/01/02 18:14:18.920049000	47.487m	214	0

At the bottom, there are tabs for 'TCP Conversation' and 'UDP Conversation', and a search filter 'e.g., port == 443' with a total count of 0.

TCP Conversation

- The **TCP Conversation** view displays communication statistics between source and destination TCP endpoints observed in the captured trace

PacketScan Web™ | Probe | PA | PDA | IP Analytics | Event Log | Admin

Status (100%)

Processed : 6.4M
Total : 6.4M
Frames/sec: 0

Dashboard

- MAC Conversation 398
- MAC Endpoint 145
- IP Conversation 9696
- IP Endpoint 3216
- TCP Conversation 25152**
- TCP Endpoint 27874
- UDP Conversation 21730
- UDP Endpoint 21454
- Port 26584
- TCP

Server Summary
Client Summary
TCP Statistics

Reports

Search: e.g., port == 443 | Total: 25152

S.No	Source IP	Destination IP	Source Port	Destination Port	Efficiency %	Events	Bytes	Packets	Payload	Start Time	End Time	Duration
1	192.168.1.52	103.43.90.117	55148	443	100	0x29	60 B	1	0 B	2026/01/02 17:15:04.423624000	2026/01/02 17:15:04.423624000	0ns
2	192.168.1.85	100.51.171.88	61486	443	100	0x2801	1.138 KB	9	622 B	2026/01/02 17:15:04.220763000	2026/01/02 17:15:04.453224000	232.461ms
3	192.168.1.52	103.43.90.117	63383	443	100	0x29	60 B	1	0 B	2026/01/02 17:15:04.466637000	2026/01/02 17:15:04.466637000	0ns
4	2409:4091:903:ea407:2c5a:be11:f029:5df2	2620:1ec:33:1::12	49700	443	100	0x2001	6.081 KB	15	4.959 KB	2026/01/02 17:15:04.462690000	2026/01/02 17:15:04.592986000	130.296ms
5	192.168.1.27	13.219.155.123	53195	443	100	0x2801	7.499 KB	18	6.479 KB	2026/01/02 17:15:04.277287000	2026/01/02 17:15:04.760706000	483.419ms
6	192.168.1.22	18.178.183.62	52519	443	100	0x2801	265 B	4	31 B	2026/01/02 17:15:04.792948000	2026/01/02 17:15:04.902963000	110.015ms
7	192.168.1.85	54.158.171.166	50852	443	100	0x2801	7.903 KB	19	6.823 KB	2026/01/02 17:15:04.310632000	2026/01/02 17:15:04.979724000	669.092ms
8	192.168.1.20	52.123.128.14	50635	443	100	0x29	60 B	1	0 B	2026/01/02 17:15:05.013876000	2026/01/02 17:15:05.013876000	0ns
9	192.168.1.7	99.86.182.81	51527	443	100	0x2801	333 B	5	39 B	2026/01/02 17:15:05.081705000	2026/01/02 17:15:05.083883000	2.178ms
10	192.168.1.44	192.168.151.164	53271	5001	100	0x2000	1.237 KB	12	535 B	2026/01/02 17:15:05.270159000	2026/01/02 17:15:05.302904000	32.745ms
11	192.168.1.136	202.83.26.113	63491	443	100	0x2801	258 B	4	24 B	2026/01/02 17:15:05.482131000	2026/01/02 17:15:05.483018000	887.000us
12	192.168.1.136	23.219.73.130	63490	443	100	0x2801	258 B	4	24 B	2026/01/02 17:15:05.481864000	2026/01/02 17:15:05.562414000	80.550ms
13	192.168.1.164	135.233.45.223	52984	443	100	0x2800	20.182 KB	31	18.128 KB	2026/01/02 17:15:04.698684000	2026/01/02 17:15:06.540469000	1.842s
14	192.168.1.199	52.168.112.66	49330	443	100	0x29	60 B	1	0 B	2026/01/02 17:15:06.634656000	2026/01/02 17:15:06.634656000	0ns
15	192.168.1.22	52.73.45.44	52520	443	100	0x2801	258 B	4	24 B	2026/01/02 17:15:06.484583000	2026/01/02 17:15:06.692420000	207.837ms
16	192.168.1.27	192.168.1.3	62641	445	100	0x811	564 B	5	288 B	2026/01/02 17:15:06.981354000	2026/01/02 17:15:06.983122000	1.768ms
17	192.168.1.110	57.144.211.32	58316	443	100	0x2000	8.902 KB	33	6.722 KB	2026/01/02 17:15:07.087185000	2026/01/02 17:15:07.343825000	256.640ms
18	192.168.1.28	20.207.85.57	61516	443	100	0x2801	180 B	3	0 B	2026/01/02 17:15:07.965919000	2026/01/02 17:15:07.987886000	21.967ms
19	192.168.1.28	40.104.134.98	61517	443	100	0x2801	180 B	3	0 B	2026/01/02 17:15:08.013223000	2026/01/02 17:15:08.019787000	6.564ms
20	192.168.1.52	103.43.91.18	59230	443	100	0x2841	365 B	5	77 B	2026/01/02 17:15:08.344087000	2026/01/02 17:15:08.385122000	41.035ms
21	192.168.1.52	103.43.91.16	63963	443	100	0x2001	485 B	7	77 B	2026/01/02 17:15:08.633300000	2026/01/02 17:15:08.672487000	39.187ms
22	2409:4091:903:ea407:8d54:5b86:965a:cfe	2620:1ec:50::17	50412	443	100	0x29	74 B	1	0 B	2026/01/02 17:15:08.761213000	2026/01/02 17:15:08.761213000	0ns
23	192.168.1.21	54.210.55.193	58600	443	100	0x2801	411 B	6	63 B	2026/01/02 17:15:08.833679000	2026/01/02 17:15:08.833830000	151.000us
24	192.168.1.21	52.69.19.115	57755	443	100	0x3801	4.893 KB	19	3.766 KB	2026/01/02 17:15:05.112460000	2026/01/02 17:15:08.994581000	3.882s
25	192.168.1.17	18.97.36.56	57836	443	100	0x2801	318 B	5	24 B	2026/01/02 17:15:08.788009000	2026/01/02 17:15:08.997274000	209.265ms
26	192.168.1.110	172.64.155.209	64136	443	100	0x2801	273 B	4	39 B	2026/01/02 17:15:09.144860000	2026/01/02 17:15:09.152415000	7.555ms
27	2409:4091:903:ea407:be61:fa6e:5099:f5c2	2603:1046:900:54::2	62627	443	100	0x10	10.576 KB	35	7.974 KB	2026/01/02 17:15:08.600557000	2026/01/02 17:15:09.304770000	704.213ms
28	2409:4091:903:ea407:be61:fa6e:5099:f5c2	2603:1046:900:68::2	62629	443	100	0x10	10.584 KB	36	7.908 KB	2026/01/02 17:15:08.890595000	2026/01/02 17:15:09.304964000	414.369ms
29	2409:4091:903:ea407:be61:fa6e:5099:f5c2	2603:1046:c06:897::2	62631	443	100	0x10	9.95 KB	33	7.496 KB	2026/01/02 17:15:09.153884000	2026/01/02 17:15:09.305001000	151.117ms
30	192.168.1.120	52.168.112.66	53142	443	100	0x2001	180 B	3	0 B	2026/01/02 17:15:09.112407000	2026/01/02 17:15:09.325940000	213.533ms
31	192.168.1.7	40.74.79.222	49557	443	100	0x10	8.523 KB	24	7.149 KB	2026/01/02 17:15:07.594685000	2026/01/02 17:15:09.827415000	2.233s
32	192.168.1.7	40.74.79.222	49559	443	100	0x11	8.523 KB	24	7.149 KB	2026/01/02 17:15:07.593319000	2026/01/02 17:15:09.827416000	2.234s
33	192.168.1.7	40.74.79.222	49558	443	100	0x10	70.894 KB	114	64.444 KB	2026/01/02 17:15:07.593118000	2026/01/02 17:15:09.827501000	2.234s
34	192.168.1.221	192.168.1.3	51702	445	100	0x811	564 B	5	288 B	2026/01/02 17:15:09.850418000	2026/01/02 17:15:09.852775000	2.357ms

UDP Conversation

- The **UDP Conversation** displays UDP traffic statistics and communication behavior between source and destination IP endpoints

The screenshot displays the PacketScan Web interface. On the left, a sidebar shows navigation options and statistics for various protocols. The 'UDP Conversation' section is highlighted with a red box, showing 21730 total conversations. The main area features a search bar with the query 'e.g., port == 443' and a table of UDP traffic logs. The table has 14 columns: S.No, Source IP, Destination IP, Source Port, Destination Port, Packets, Bytes, Payload, Start Time, End Time, Duration, Forward Packets, and Backward Packets. The table contains 34 rows of data, showing various source and destination IP addresses and ports, along with packet counts and timestamps.

S.No	Source IP	Destination IP	Source Port	Destination Port	Packets	Bytes	Payload	Start Time	End Time	Duration	Forward Packets	Backward Packets
1	ff02::fb	fe80::82e8:2cff:fea9:de1a	5353	5353	21	13.61 KB	12.308 KB	2026/01/02 17:16:30.491927000	2026/01/02 18:00:23.894215000	43.890m	0	21
2	192.168.1.22	192.168.1.255	50276	1947	1	82 B	40 B	2026/01/02 18:10:45.319367000	2026/01/02 18:10:45.319367000	0ns	1	0
3	192.168.1.154	192.168.1.255	64077	1947	1	82 B	40 B	2026/01/02 17:36:51.060345000	2026/01/02 17:36:51.060345000	0ns	1	0
4	192.168.1.22	192.168.1.255	59022	1947	1	82 B	40 B	2026/01/02 17:52:51.946457000	2026/01/02 17:52:51.946457000	0ns	1	0
5	192.168.1.22	192.168.1.255	55930	1947	1	82 B	40 B	2026/01/02 17:15:28.397164000	2026/01/02 17:15:28.397164000	0ns	1	0
6	192.168.12.95	192.168.1.40	2425	2425	2	308 B	224 B	2026/01/02 18:00:13.018169000	2026/01/02 18:00:17.845976000	4.828s	0	2
7	192.168.1.60	192.168.12.221	61185	5353	3	309 B	183 B	2026/01/02 18:06:25.947588000	2026/01/02 18:06:29.118937000	3.171s	0	3
8	192.168.1.60	224.0.0.251	55969	5353	26	3.173 KB	2.081 KB	2026/01/02 18:10:58.260149000	2026/01/02 18:11:01.196624000	2.936s	26	0
9	192.168.1.60	192.168.12.221	52703	5353	3	309 B	183 B	2026/01/02 18:06:55.965019000	2026/01/02 18:06:58.947209000	2.982s	0	3
10	224.0.0.251	192.168.1.164	5353	5353	4	288 B	120 B	2026/01/02 17:18:06.691649000	2026/01/02 17:18:06.691782000	133.000us	0	4
11	192.168.1.154	192.168.1.255	59788	1947	1	82 B	40 B	2026/01/02 18:00:24.913924000	2026/01/02 18:00:24.913924000	0ns	1	0
12	192.168.1.42	255.255.255.255	53981	1947	1	82 B	40 B	2026/01/02 18:03:24.409878000	2026/01/02 18:03:24.409878000	0ns	1	0
13	192.168.1.98	8.8.8.8	61906	53	1	144 B	102 B	2026/01/02 17:19:13.183635000	2026/01/02 17:19:13.183635000	0ns	0	1
14	192.168.1.110	8.8.8.8	21503	53	1	204 B	162 B	2026/01/02 17:32:07.122233000	2026/01/02 17:32:07.122233000	0ns	0	1
15	192.168.1.66	8.8.8.8	62918	53	1	107 B	65 B	2026/01/02 17:38:00.191225000	2026/01/02 17:38:00.191225000	0ns	0	1
16	192.168.1.110	8.8.8.8	30141	53	1	122 B	80 B	2026/01/02 17:40:13.343551000	2026/01/02 17:40:13.343551000	0ns	0	1
17	192.168.1.66	8.8.8.8	63954	53	1	132 B	90 B	2026/01/02 17:42:01.215052000	2026/01/02 17:42:01.215052000	0ns	0	1
18	192.168.1.22	8.8.8.8	59086	53	1	164 B	122 B	2026/01/02 17:43:54.408948000	2026/01/02 17:43:54.408948000	0ns	0	1
19	192.168.1.22	8.8.8.8	52742	53	1	188 B	146 B	2026/01/02 17:50:26.345142000	2026/01/02 17:50:26.345142000	0ns	0	1
20	192.168.1.146	8.8.8.8	53485	53	1	318 B	276 B	2026/01/02 18:12:53.677966000	2026/01/02 18:12:53.677966000	0ns	0	1
21	192.168.1.74	8.8.8.8	53624	53	1	103 B	61 B	2026/01/02 17:15:51.628379000	2026/01/02 17:15:51.628379000	0ns	0	1
22	192.168.1.22	8.8.8.8	55583	53	1	276 B	234 B	2026/01/02 17:15:59.342969000	2026/01/02 17:15:59.342969000	0ns	0	1
23	192.168.1.110	8.8.8.8	58829	53	1	99 B	57 B	2026/01/02 17:25:07.094363000	2026/01/02 17:25:07.094363000	0ns	0	1
24	192.168.1.54	8.8.8.8	50870	53	1	337 B	295 B	2026/01/02 17:34:27.919302000	2026/01/02 17:34:27.919302000	0ns	0	1
25	192.168.1.110	8.8.8.8	10386	53	1	195 B	153 B	2026/01/02 17:36:19.557353000	2026/01/02 17:36:19.557353000	0ns	0	1
26	192.168.1.22	8.8.8.8	53954	53	1	163 B	121 B	2026/01/02 17:39:56.870725000	2026/01/02 17:39:56.870725000	0ns	0	1
27	192.168.1.85	192.168.1.255	57144	1947	1	82 B	40 B	2026/01/02 17:41:21.111910000	2026/01/02 17:41:21.111910000	0ns	1	0
28	192.168.1.22	8.8.8.8	57544	53	1	184 B	142 B	2026/01/02 17:49:34.868989000	2026/01/02 17:49:34.868989000	0ns	0	1
29	192.168.1.206	8.8.8.8	35066	53	1	96 B	54 B	2026/01/02 18:01:29.427336000	2026/01/02 18:01:29.427336000	0ns	0	1
30	192.168.1.49	192.168.1.255	64821	1947	1	82 B	40 B	2026/01/02 18:02:54.026166000	2026/01/02 18:02:54.026166000	0ns	1	0
31	192.168.1.66	8.8.8.8	58838	53	1	102 B	60 B	2026/01/02 17:24:00.169665000	2026/01/02 17:24:00.169665000	0ns	0	1
32	192.168.12.163	192.168.1.11	2425	2425	4	4.53 KB	4.362 KB	2026/01/02 17:27:06.842543000	2026/01/02 17:27:10.615583000	3.773s	1	3
33	192.168.1.58	8.8.8.8	56969	53	1	176 B	134 B	2026/01/02 17:29:46.001982000	2026/01/02 17:29:46.001982000	0ns	0	1
34	192.168.1.49	192.168.1.255	63036	1947	1	82 B	40 B	2026/01/02 17:34:11.790995000	2026/01/02 17:34:11.790995000	0ns	1	0

Port-Based Traffic Analysis

- Displays traffic statistics associated with TCP and UDP ports, helping users analyze protocol usage, connection activity, and application-level traffic behavior across the network

PacketScan Web | Probe | PA | PDA | IP Analytics | Event Log | Admin

Status (100%)
 Processed: 6.4M
 Total: 6.4M
 Frames/sec: 0

Navigation: Dashboard, MAC Conversation (398), MAC Endpoint (145), IP Conversation (9696), IP Endpoint (3216), TCP Conversation (25152), TCP Endpoint (27874), UDP Conversation (21730), UDP Endpoint (21454), **Port (26584)**, TCP, Server Summary, Client Summary, TCP Statistics, Reports

S.No	Port	Port Type	IP Protocol	Conversations	Packets	Bytes	Average Packet Size
1	57166	Client	UDP	2	2	431 B	215
2	65060	Client	UDP	3	3	455 B	151
3	60294	Client	UDP	2	2	401 B	200
4	57904	Client	UDP	2	2	312 B	156
5	54372	Client	UDP	1	1	82 B	82
6	50301	Client	UDP	3	3	308 B	102
7	62367	Client	UDP	2	2	177 B	88
8	63271	Client	UDP	2	2	430 B	215
9	63590	Client	UDP	1	1	82 B	82
10	4178	Client	UDP	1	1	245 B	245
11	61064	Client	UDP	3	31	3.5 KB	112
12	51125	Client	UDP	1	1	82 B	82
13	7117	Client	UDP	1	1	248 B	248
14	50145	Client	UDP	1	1	337 B	337
15	59733	Client	UDP	2	2	405 B	202
16	60971	Client	UDP	3	3	514 B	171
17	54877	Client	UDP	3	3	426 B	142
18	8343	Client	UDP	1	1	195 B	195
19	40437	Client	UDP	1	1	240 B	240
20	16986	Client	UDP	1	1	349 B	349
21	58947	Client	UDP	1	1	243 B	243
22	55076	Client	UDP	1	1	272 B	272
23	39580	Client	UDP	1	2	291 B	145

UDP Conversation | e.g., port == 443 | Total: 2

S.No	Source IP	Destination IP	Source Port	Destination Port	Packets	Bytes	Payload	Start Time	End Time	Duration	Forward Packets	Backward Packets	Forward B
1	192.168.1.28	8.8.8.8	57166	53	1	278 B	236 B	2026/01/02 17:15:12.716928000	2026/01/02 17:15:12.716928000	0ns	0	1	
2	192.168.1.136	8.8.8.8	57166	53	1	153 B	111 B	2026/01/02 18:01:34.801398000	2026/01/02 18:01:34.801398000	0ns	0	1	

Packet Filtering

Filter Session Packets

The screenshot shows the PacketScan Web interface. On the left, a sidebar lists various conversation types, with 'TCP Conversation' selected, showing 25152 conversations. The main area displays a list of filtered session packets. A search filter 'e.g., port == 443' is applied. The selected packet (S.No 33) is shown in detail, including its Ethernet frame data and IP header information.

S.No	Filter session packets	Source IP	Destination IP	Source Port	Destination Port	Efficiency %	Events	Bytes	Packets
29	2409:4091:903e:a407:be61:fa6e:5099:f5c2		2603:1046:c06:897::2	62631	443	100	0x10	9.95 KB	33
30		192.168.1.120							
31		192.168.1.7							
32		192.168.1.7							
33		192.168.1.7							
34		192.168.12.221							
35		192.168.1.92							
36		192.168.1.136							
37		192.168.1.136							
38		192.168.1.96							
39		192.168.12.74							
40		192.168.1.22							
41		192.168.1.68							
42		192.168.1.35							
43		192.168.1.35							
44		192.168.1.85							

Device	Frame#	TIME (Date)	Length (Bytes)	Error	Length/Protocol Type_MAC	Packet Type_MAC	Source IP Address_IPv4	Destination IP Address_IPv4	Source Address_IPv6	Destination Address_IPv6
1	0	2026-01-02 17:15:07.593118000	66		Internet IP(IPv4)		40.74.79.222	192.168.1.7		
1	1	2026-01-02 17:15:07.593319000	60		Internet IP(IPv4)		192.168.1.7	40.74.79.222		
1	2	2026-01-02 17:15:07.596063000	529		Internet IP(IPv4)		192.168.1.7	40.74.79.222		
1	3	2026-01-02 17:15:07.712766000	1482		Internet IP(IPv4)		40.74.79.222	192.168.1.7		
1	4	2026-01-02 17:15:07.712986000	60		Internet IP(IPv4)		192.168.1.7	40.74.79.222		
1	5	2026-01-02 17:15:07.713275000	1482		Internet IP(IPv4)		40.74.79.222	192.168.1.7		
1	6	2026-01-02 17:15:07.713432000	1482		Internet IP(IPv4)		40.74.79.222	192.168.1.7		
1	7	2026-01-02 17:15:07.713572000	1482		Internet IP(IPv4)		40.74.79.222	192.168.1.7		
1	8	2026-01-02 17:15:07.713641000	575		Internet IP(IPv4)		40.74.79.222	192.168.1.7		
1	9	2026-01-02 17:15:07.713642000	60		Internet IP(IPv4)		192.168.1.7	40.74.79.222		
1	10	2026-01-02 17:15:07.713642000	60		Internet IP(IPv4)		192.168.1.7	40.74.79.222		
1	11	2026-01-02 17:15:07.713642000	60		Internet IP(IPv4)		192.168.1.7	40.74.79.222		
1	12	2026-01-02 17:15:07.721874000	212		Internet IP(IPv4)		192.168.1.7	40.74.79.222		
1	13	2026-01-02 17:15:07.722189000	141		Internet IP(IPv4)		192.168.1.7	40.74.79.222		
1	14	2026-01-02 17:15:07.837334000	60		Internet IP(IPv4)		40.74.79.222	192.168.1.7		
1	15	2026-01-02 17:15:07.838432000	105		Internet IP(IPv4)		40.74.79.222	192.168.1.7		
1	16	2026-01-02 17:15:07.838532000	122		Internet IP(IPv4)		40.74.79.222	192.168.1.7		


```

Device1 Frame=0 at 2026-01-02 17:15:07.593118000 OK Len=66
Ethernet Frame Data
===== MAC Layer =====
0000 Destination Address      = x3CECFE31213
0006 Source Address          = x18C24173AE80
000C Length/Protocol Type    = x0800 Internet IP(IPv4)
===== IPv4 Layer =====
000E Version                  = 0100.... (4)
000E Internet Header Length (In 32 bit words) = ....0101 (5)
      Differentiated Services Field
000F Differentiated Services Codepoint = 000000.. Default
000F Explicit Congestion Notification = .....00 Not-ECT (Not ECN-Capable Transport)
      IP Hdr No TCP SegmentationOffload
0010 Total Length             = 52 (x0034)
0012 Identification          = 5015 (x1397)
0014 Reserved Bit             = 0..... Not Set
0014 Don't fragment           = .1..... Set
0014 More fragments           = ..0.... Not Set
0014 Fragment Offset         = 0 (...00000 00000000)
0016 Time To Live             = 108 (x6C)
0017 Protocol                 = 00000110 TCP
0018 Header Check Sum        = xC155
001A Source IP Address        = 40.74.79.222 (x284A4FDE)
001E Destination IP Address   = 192.168.1.7 (xC0A80107)
      ----- TCP Layer -----
Hex Dump of the Frame Data
+-----+-----+-----+-----+-----+-----+-----+-----+
3C EC EF E3 12 13 18 C2  41 73 AE 80 08 00 45 00  <..... As....E.
00 34 13 97 40 00 6C 06  C1 55 28 4A 4F DE C0 A8  .4..@.1. .U(JO...
01 07 01 BB C1 96 C7 29  B3 38 07 DE 98 0D 80 12  .....) .8.....
FF FF 57 A9 00 00 02 04  05 94 01 03 03 08 01 01  ..W.... ....
04 02
  
```

Filter is active ...unications Inc\PacketScanWebProbe\SampleTraces\Sonicwall_1_Series_20260102_1715.HDL Filtered: 114 of 6415698 frames

- Filters and displays packets corresponding to the selected TCP conversation within the Packet Analyzer (PA) section
- The filtered results represent the selected conversation from the TCP Conversations view

Filter by Expression

- Users can enter custom filter expressions to display only session records matching the specified criteria. **Example:**
source ip == 192.168.1.110 && destination ip == 13.107.5.93
- This expression filters the session list to display conversations between the specified source and destination IP addresses

PacketScan Web™

Status (100%)
Processed : 6.4M
Total : 6.4M
Frames/sec: 0

Dashboard
MAC Conversation 398
MAC Endpoint 145
IP Conversation
IP Endpoint
TCP Conversation
TCP Endpoint
UDP Conversation
UDP Endpoint

source ip == 192.168.1.110 && destination ip == 13.107.5.93

S.No	Source IP	Destination IP	Source Port	Destination Port	Efficiency %	Events	Bytes	Packets
1	192.168.1.52	103.43.90.117	55148	443	100	0x29	60 B	1
2	192.168.1.85	100.51.171.88	61486	443	100	0x2801	1.138 KB	9
3	192.168.1.52	103.43.90.117	63383	443	100	0x29	60 B	1
4	2409:4091:903:era407:2c5a:be11:f029:5df2	2620:1ec:33::12	49700	443	100	0x2001	6.081 KB	15
5	192.168.1.27	13.219.155.123	53195	443	100	0x2801	7.499 KB	18
6	192.168.1.22	18.178.183.62	52519	443	100	0x2801	265 B	4

source ip == 192.168.1.110 && destination ip == 13.107.5.93

Total: 25152 Filtered: 24

S.No	Source IP	Destination IP	Source Port	Destination Port	Efficiency %	Events	Bytes	Packets	Payload	Start Time
1	192.168.1.110	13.107.5.93	52395	443	100	0x811	186 B	3	1 B	2026/01/02 17:15:47.248240000
2	192.168.1.110	13.107.5.93	58663	443	86.24	0x2040	12.03 KB	29	10.356 KB	2026/01/02 17:16:48.488577000
3	192.168.1.110	13.107.5.93	58664	443	86.23	0x2040	12.085 KB	30	10.351 KB	2026/01/02 17:16:48.488884000
4	192.168.1.110	13.107.5.93	58668	443	100	0x2000	5.87 KB	23	4.538 KB	2026/01/02 17:16:48.515866000
5	192.168.1.110	13.107.5.93	58667	443	100	0x2000	10.734 KB	31	8.94 KB	2026/01/02 17:16:48.515481000
6	192.168.1.110	13.107.5.93	58662	443	100	0x2000	10.425 KB	26	8.925 KB	2026/01/02 17:16:48.450463000
7	192.168.1.110	13.107.5.93	58666	443	100	0x2000	10.427 KB	26	8.927 KB	2026/01/02 17:16:48.510420000
8	192.168.1.110	13.107.5.93	58665	443	100	0x2000	10.548 KB	28	8.928 KB	2026/01/02 17:16:48.510427000
9	192.168.1.110	13.107.5.93	58661	443	100	0x2000	18.365 KB	37	16.253 KB	2026/01/02 17:16:48.437827000
10	192.168.1.110	13.107.5.93	60104	443	100	0x2800	10.187 KB	22	8.927 KB	2026/01/02 17:35:24.526532000
11	192.168.1.110	13.107.5.93	61993	443	100	0x2800	13.751 KB	29	12.095 KB	2026/01/02 17:44:23.683702000
12	192.168.1.110	13.107.5.93	59410	443	100	0x2000	10.536 KB	28	8.922 KB	2026/01/02 17:46:48.570446000
13	192.168.1.110	13.107.5.93	59409	443	100	0x2000	10.482 KB	27	8.928 KB	2026/01/02 17:46:48.549543000
14	192.168.1.110	13.107.5.93	59413	443	86.26	0x2040	12.043 KB	29	10.369 KB	2026/01/02 17:46:48.593776000
15	192.168.1.110	13.107.5.93	59414	443	100	0x2000	10.432 KB	27	8.878 KB	2026/01/02 17:46:48.597037000
16	192.168.1.110	13.107.5.93	59408	443	100	0x2000	10.427 KB	26	8.927 KB	2026/01/02 17:46:48.549007000
17	192.168.1.110	13.107.5.93	59411	443	100	0x2000	5.746 KB	20	4.588 KB	2026/01/02 17:46:48.583799000
18	192.168.1.110	13.107.5.93	59412	443	100	0x2000	10.427 KB	26	8.927 KB	2026/01/02 17:46:48.593080000
19	192.168.1.110	13.107.5.93	59407	443	89.32	0x2040	15.349 KB	35	13.339 KB	2026/01/02 17:46:48.537010000
20	192.168.1.110	13.107.5.93	59779	443	100	0x1010	12.94 KB	40	10.642 KB	2026/01/02 18:01:35.011082000
21	192.168.1.110	13.107.5.93	61378	443	100	0x2800	10.188 KB	22	8.928 KB	2026/01/02 18:05:24.675811000
22	192.168.1.110	13.107.5.93	59302	443	100	0x810	14.916 KB	24	13.566 KB	2026/01/02 18:09:27.917859000
23	192.168.1.110	13.107.5.93	52793	443	100	0x2800	9.129 KB	24	7.755 KB	2026/01/02 18:14:23.850633000
24	192.168.1.110	13.107.5.93	52786	443	100	0x800	12.645 KB	29	10.995 KB	2026/01/02 18:14:17.366249000

Detailed TCP Session View

Detailed TCP Session View

PacketScan Web™

Probe PA PDA IP Analytics Event Log Admin

Status (100%)

Processed: 6.4M
Total: 6.4M
Frames/sec: 0

Dashboard

MAC Conversation 398

MAC Endpoint 145

IP Conversation 9696

IP Endpoint 3216

TCP Conversation 25152

TCP Endpoint 27874

UDP Conversation 21730

UDP Endpoint 21454

Port 26584

Server Summary

S.No	Detailed View	Source IP	Destination IP	Source Port	Destination Port	Efficiency %	Events	Bytes	Packets	Payload
1		192.168.1.38	40.104.146.178	62656	443	100	0x2bc1	25.761 MB	53943	22.746 MB
2		192.168.12.95								
3		192.168.1.110								
4		192.168.1.110								
5		192.168.1.110								
6		192.168.1.110								
7		192.168.1.50								
8		192.168.1.50								
9		192.168.1.50								
10		192.168.1.50								
11		192.168.1.50								
12		192.168.12.221								
13		192.168.1.28								
14		192.168.1.76								
15		192.168.1.17								
16		2409:4091:903e:a407:b7d6:6b6c:bdd3:c33								
17		192.168.1.108								

Stream :- 192.168.1.38 : 62656 <-> 40.104.146.178 : 443

Frame#	Timestamp	Direction	SeqNo	AckNo	NextSeq	Bytes	PayloadLen	Rtt	rWindow	Fwd cWindow	Bwd cWindow	Event	Info
62	17:15:04.261880000	←	836303017	1699699611	836303247	284	230	0us	4096	0	0		62656 -> 443 Data [PSH, ACK] Seq=836303017 Ack=1
63	17:15:04.261880000	←	836303247	1699699611	836303361	168	114	0us	4096	0	0	In-Sequence	62656 -> 443 Data [PSH, ACK] Seq=836303247 Ack=1
64	17:15:04.261941000	←	836303361	1699699611	836303702	395	341	0us	4096	0	0	In-Sequence	62656 -> 443 Data [PSH, ACK] Seq=836303361 Ack=1
65	17:15:04.261941000	←	836303702	1699699611	836303733	85	31	0us	4096	0	0	In-Sequence	62656 -> 443 Data [PSH, ACK] Seq=836303702 Ack=1
66	17:15:04.262103000	→	1699699611	836303361	1699699611	60	0	223us	254	0	372		443 -> 62656 [ACK] Seq=1699699611 Ack=836303361
67	17:15:04.262103000	→	1699699611	836303733	1699699611	60	0	162us	252	0	0		443 -> 62656 [ACK] Seq=1699699611 Ack=836303733
69	17:15:04.266153000	→	1699699611	836303733	1699701039	1482	1428	0us	252	1428	0		443 -> 62656 Data [ACK] Seq=1699699611 Ack=836303733
70	17:15:04.266300000	→	1699701039	836303733	1699702467	1482	1428	0us	252	2856	0	In-Sequence	443 -> 62656 Data [ACK] Seq=1699701039 Ack=836303733
71	17:15:04.266421000	→	1699702467	836303733	1699703895	1482	1428	0us	252	4284	0	In-Sequence	443 -> 62656 Data [ACK] Seq=1699702467 Ack=836303733
72	17:15:04.266421000	→	1699703895	836303733	1699704076	235	181	0us	252	4465	0	In-Sequence	443 -> 62656 Data [PSH, ACK] Seq=1699703895 Ack=1
73	17:15:04.266421000	→	1699704076	836303733	1699704287	265	211	0us	252	4676	0	In-Sequence	443 -> 62656 Data [PSH, ACK] Seq=1699704076 Ack=1
85	17:15:04.272269000	←	836303733	1699702467	836303733	60	0	5ms 969us	4096	1820	0		62656 -> 443 [ACK] Seq=836303733 Ack=1699702467
86	17:15:04.272566000	←	836303733	1699704287	836303733	60	0	6ms 145us	4096	0	0		62656 -> 443 [ACK] Seq=836303733 Ack=1699704287
214	17:15:04.449423000	→	1699704287	836303733	1699705715	1482	1428	0us	252	1428	0	In-Sequence	443 -> 62656 Data [ACK] Seq=1699704287 Ack=836303733
215	17:15:04.449580000	→	1699705715	836303733	1699707143	1482	1428	0us	252	2856	0	In-Sequence	443 -> 62656 Data [ACK] Seq=1699705715 Ack=836303733
216	17:15:04.449712000	→	1699707143	836303733	1699708571	1482	1428	0us	252	4284	0	In-Sequence	443 -> 62656 Data [ACK] Seq=1699707143 Ack=836303733
217	17:15:04.449713000	→	1699708571	836303733	1699708757	240	186	0us	252	4470	0	In-Sequence	443 -> 62656 Data [PSH, ACK] Seq=1699708571 Ack=1
218	17:15:04.449713000	→	1699708757	836303733	1699708796	93	39	0us	252	4509	0	In-Sequence	443 -> 62656 Data [PSH, ACK] Seq=1699708757 Ack=1
236	17:15:04.455789000	←	836303733	1699707143	836303733	60	0	6ms 209us	4096	1653	0		In-Sequence 62656 -> 443 [ACK] Seq=836303733 Ack=1699707143
237	17:15:04.456033000	←	836303733	1699708796	836303733	60	0	6ms 320us	4096	0	0		In-Sequence 62656 -> 443 [ACK] Seq=836303733 Ack=1699708796
282	17:15:04.522434000	←	836303733	1699708796	836304209	530	476	0us	4096	0	476		In-Sequence 62656 -> 443 Data [PSH, ACK] Seq=836303733 Ack=1
283	17:15:04.522599000	←	836304209	1699708796	836304323	168	114	0us	4096	0	590		In-Sequence 62656 -> 443 Data [PSH, ACK] Seq=836304209 Ack=1

Device1 Frame=62 at 17:15:04.261880000 OK Len=284

Ethernet Frame Data

```

===== MAC Layer =====
0000 Destination Address = x10FFE0E57055
0006 Source Address      = x18C24173AE90
000C Length/Protocol Type = x0800 Internet IP(IPv4)
===== IPv4 Layer =====
000E Version              = 0100.... (4)
000E Internet Header Length (In 32 bit words) = ....0101 (5)
Differentiated Services Field =
000F Differentiated Services Codepoint = 000000.. Default
000F Explicit Congestion Notification = .....00 Not-ECT (Not ECN-Capable Transport)
IP Hdr No TCP SegmentationOffload =
    
```

Hex Dump of the Frame Data

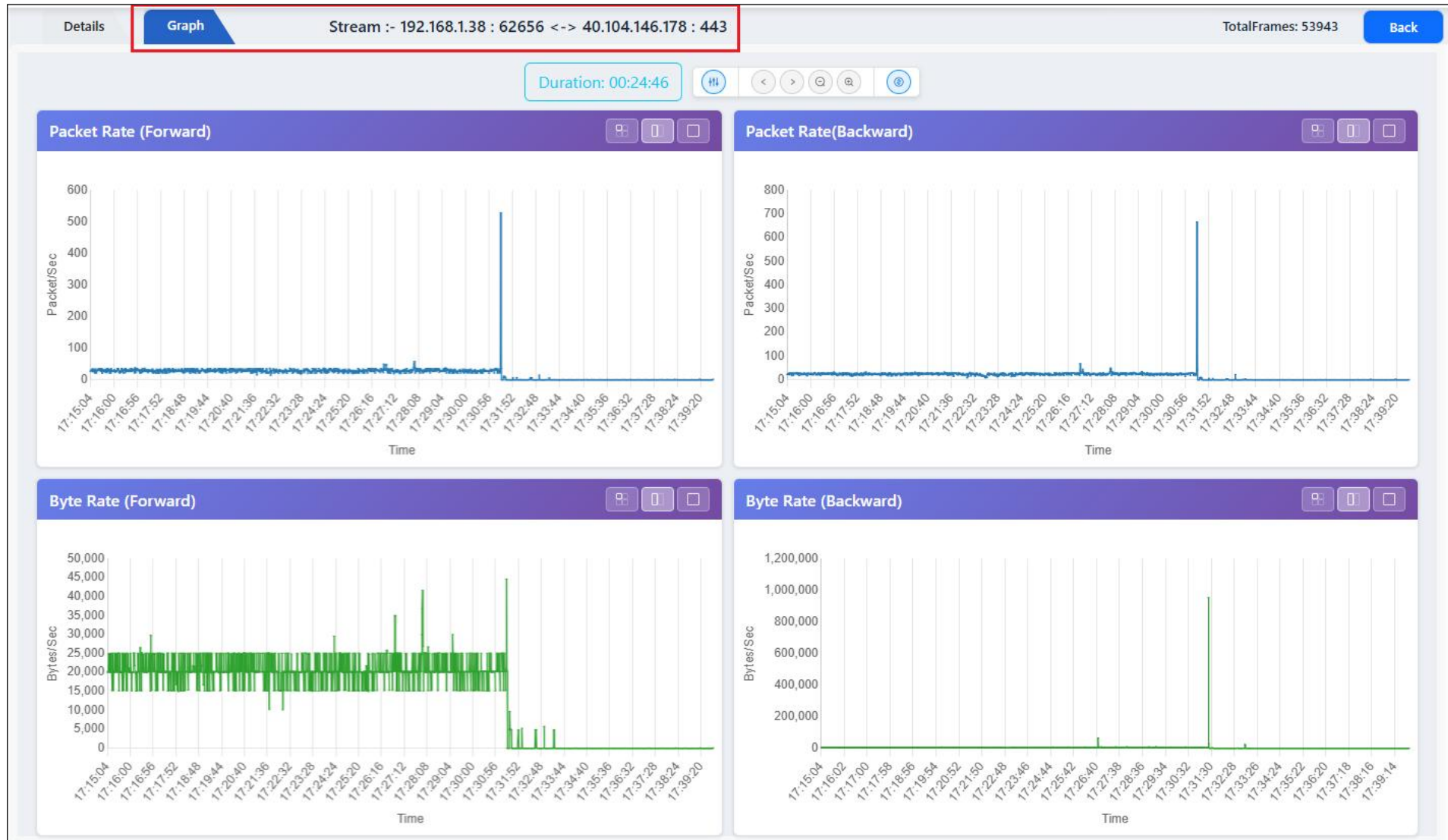
```

+-----+-----+-----+-----+-----+-----+-----+-----+
10 FF E0 E5 70 55 18 C2 41 73 AE 80 08 00 45 00 ...pU.. As...E.
01 0E EF E1 40 00 75 06 98 1F 28 68 92 B2 C0 A8 ...@.u.. (h....
01 26 01 BB F4 C0 31 D8 F8 A9 65 4F 5B 9B 50 18 ...1... ..eO[.P.
10 00 32 55 00 00 17 03 03 00 E1 BF 57 8B 6F F8 ..2U.... ...W.o.
E1 54 7C 3F C6 BC A4 C4 3F BE AB 6B F6 72 7A 79 .T|?.... ?..k.rzy
6C 79 11 0A 20 F9 22 44 14 7F 18 90 A4 EA D5 B2 1y....."D .....
91 15 5D 9A EB D9 A1 BC 9E 97 3A 98 EE 8F 52 3A ..]..... :.....R:
D9 C2 B0 2B F7 AD 0E C0 4B 94 C6 AD 59 CF B5 AC ...+.... K...Y...
E9 1F 51 39 B3 C5 A3 41 AE 7C 72 5C CD 1C 49 EF ..Q9...A |r\..I.
7B 6F 0D 71 4D 59 01 B8 1D 58 CB 83 47 43 A2 02 {o.qMY... .X..GC..
49 C8 4D 1F 4C 31 2B 01 56 42 97 6C C8 3D 3B 27 I.M.L|+. VB.L.=y'
1F C9 A7 24 B8 B2 F1 C7 06 B3 5D 10 EA 42 AD 6E ...&.... ..].B.n
A8 93 95 C7 92 B0 F0 5C B3 R7 29 BD 97 12 F3 F9 ..... \ ..).....
    
```

- Displays frame-level information for the selected TCP session, enabling detailed analysis of packet exchange behavior, session activity, and communication flow between source and destination endpoints

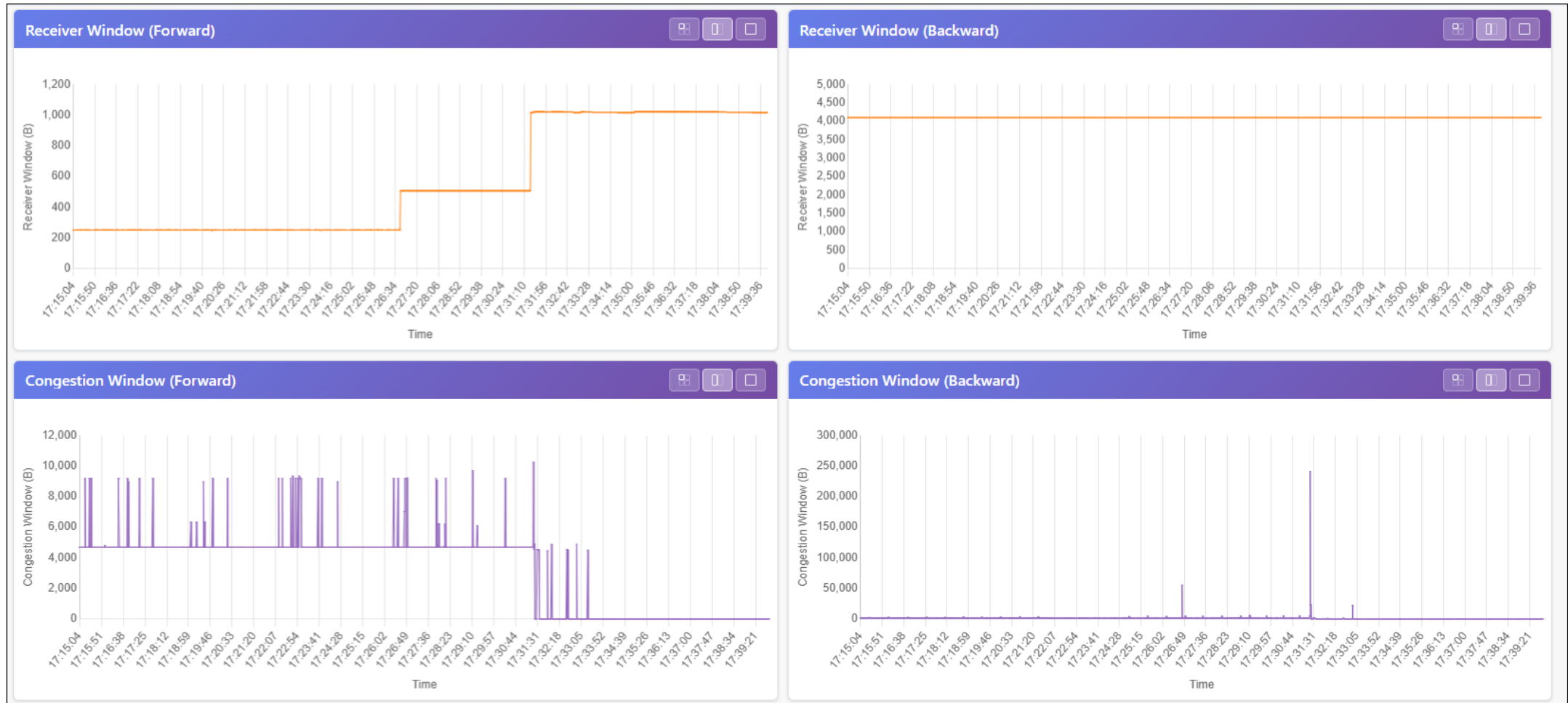
Packet Rate and Byte Rate Graphs

- Displays time-based traffic behavior for the selected TCP session, providing graphical visualization of packet flow and throughput between source and destination endpoints in both forward and backward directions



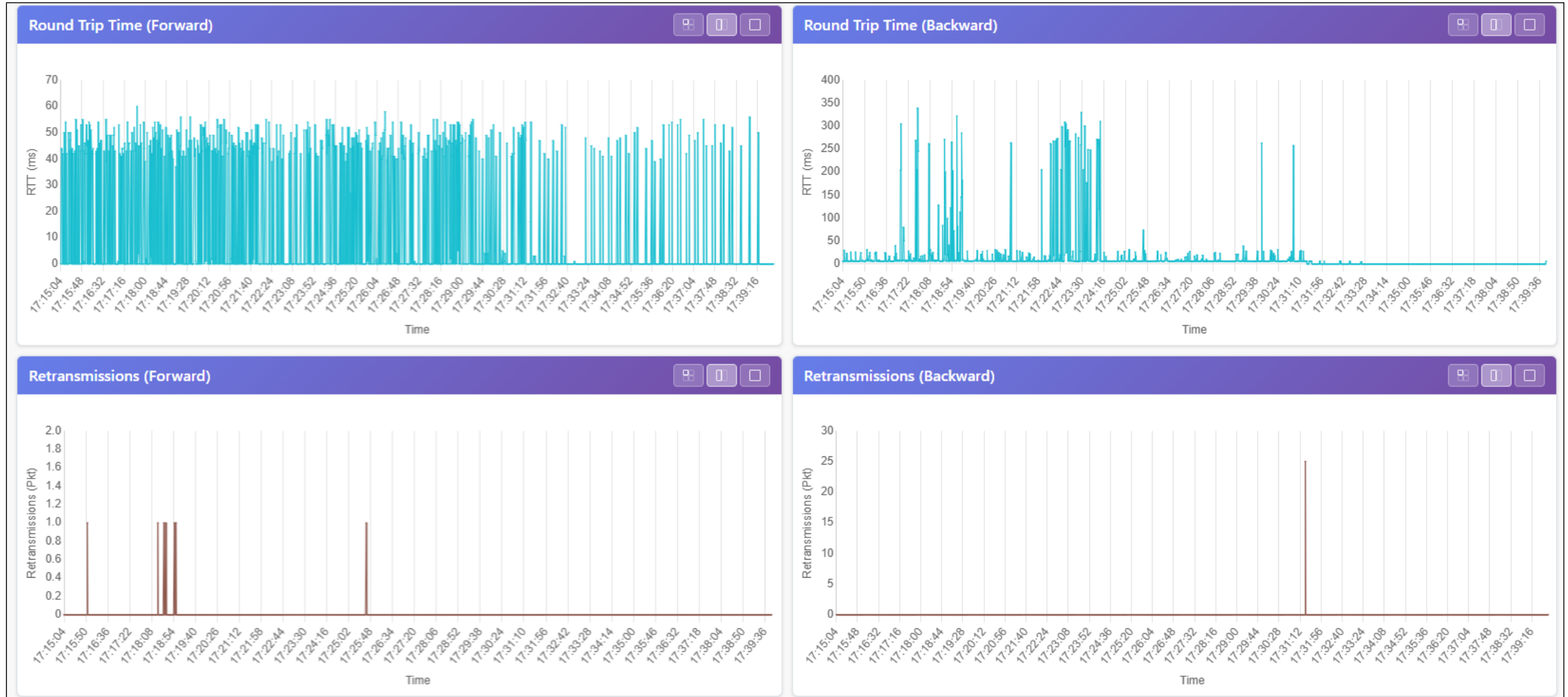
Receiver Window and Congestion Window Graphs

- Display TCP flow-control and congestion-control behavior over time, helping users analyze receiver capacity, traffic congestion conditions, and throughput performance across TCP sessions



Round Trip Time and Retransmission Graphs

- Display TCP latency variations and retransmission activity over time, helping users identify network delays, packet loss conditions, and TCP performance degradation across sessions



TCP Statistical Views

TCP Statistics Dashboard

- Provide a consolidated summary of TCP session behavior observed in the capture, enabling users to analyze connection performance, congestion conditions, retransmission activity, server behavior, and TCP connection events across the network

PacketScan Web™ | Probe | PA | PDA | IP Analytics | Event Log | Admin

Status (100%)
 Processed: 6.4M
 Total: 6.4M
 Frames/sec: 0

Dashboard
 MAC Conversation: 398
 MAC Endpoint: 145
 IP Conversation: 9696
 IP Endpoint: 3216
 TCP Conversation: 25152
 TCP Endpoint: 27874
 UDP Conversation: 21730
 UDP Endpoint: 21454
 Port: 26584
TCP
 Server Summary
 Client Summary
TCP Statistics
 Reports

Statistics-3

Total TCP Connection Info (Total: 9)

S.No	Attribute	Count
1	Bytes	4 302 910 323
2	Packets	6 181 069
3	Connections	25152
4	Seq Errors	2220
5	Resets	8275
6	Congestions	17247
7	Severe Cong	33
8	Server IPs	3004
9	Client IPs	169

Connection Events Summary (Total: 18)

S.No	Attribute	Count
1	Connection Closed Normally	149
2	Connection Partially Closed	19
3	Connection Close Timeout	
4	Connection End Not Captured	
5	Network Congestion Detected	172
6	Connection Established	16
7	Connection Refused by Server	7
8	Repeated Acknowledgements	4
9	Connection Reset During Setup	9
10	Fast Packet Retransmission	2

Top Server By Bytes (Total: 3027)

S.No	Server IP	Server Port
1	192.168.12.201	44
2	106.51.45.34	44
3	192.168.1.85	44
4	106.51.45.65	44
5	192.168.1.118	44
6	192.168.1.79	242
7	162.159.140.167	44
8	2607:fc48:800:cccc:245	44

Top Server Not Accepting Connections (Total: 1620)

S.No	Server IP	Server Port
1	23.209.218.9	44
2	2600:1417:7:174b:17a2	44
3	2603:1063:2202:38::25	44
4	52.204.2.3	44
5	67.202.105.23	44
6	154.61.95.16	44
7	2606:4700:20::681a:af0	44
8	198.24.163.90	44

Top Server with Severe Congestion (Total: 25)

S.No	Server IP	Server Port
1	142.250.4.136	
2	172.111.38.86	
3	2404:6800:4002:827::2002	
4	2603:1040:5b::1c1	
5	2603:1046:c06:c53::2	
6	52.113.158.72	
7	106.51.45.48	
8	34.111.211.209	
9	34.36.54.80	

Top Servers with PacketLoss/Retransmission (Total: 728)

S.No	Server IP	Server Port
1	2405:200:1608:1731::312c:7181	
2	2a03:2880:f369:3:face:b00c:0:4c63	
3	142.250.205.138	
4	172.18.16.1	
5	2405:200:1608:1731::312c:71a3	
6	192.168.56.1	
7	142.250.77.131	
8	142.250.77.131	

Top TCP Applications by Bytes (Total: 15)

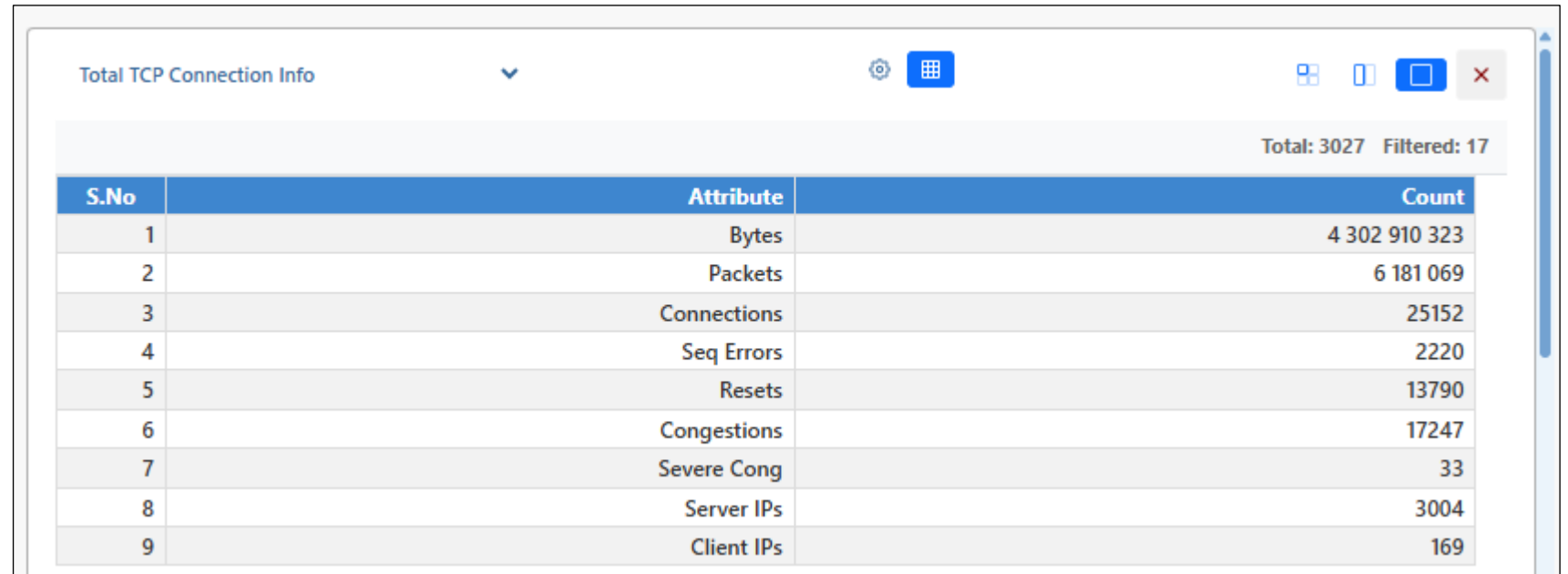
S.No	Server Port	Application	Total Bytes
1	445	SMB	
2	443	HTTPS	
3	2425	Unknown	167
4	3389	RDP	14
5	135	MS-RPC	
6	7680	Unknown	965
7	1947	SentinelKeys	93
8	5001	Complex-Link	42
9	88	Kerberos	15

Top Client By Bytes (Total: 169)

S.No	Client IP
1	192.168.1.1
2	192.168.1.1
3	192.168.1.1
4	192.168.1.1
5	2409:4091:903:ea407:b7d6:6b6c:bdd3::
6	192.168.1.1
7	192.168.1.1
8	192.168.1.1

TCP Session Summary

- The **Total TCP Connection Info** displays an overall summary of TCP communication observed in the capture



The screenshot shows a window titled "Total TCP Connection Info" with a table of statistics. The table has three columns: S.No, Attribute, and Count. The data is as follows:

S.No	Attribute	Count
1	Bytes	4 302 910 323
2	Packets	6 181 069
3	Connections	25152
4	Seq Errors	2220
5	Resets	13790
6	Congestions	17247
7	Severe Cong	33
8	Server IPs	3004
9	Client IPs	169

Additional information from the screenshot: Total: 3027 Filtered: 17

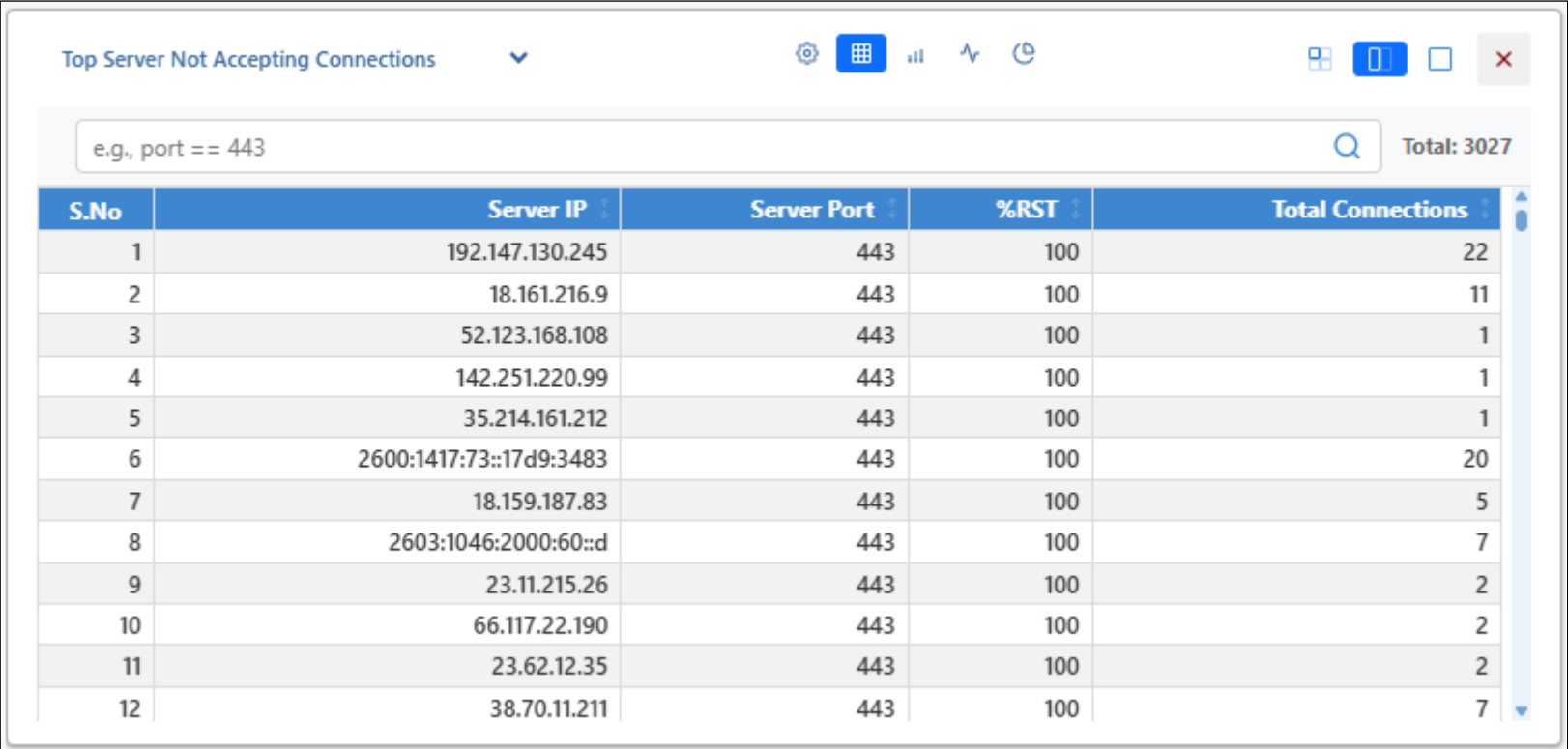
Top Servers By Bytes

- The **Top Server By Bytes** displays servers ranked based on the total volume of TCP traffic exchanged during the capture

S.No	Server IP	Server Port	Packets	Bytes
1	192.168.12.201	445	2 028 528	1.823 GB
2	106.51.45.34	443	580 267	556.305 MB
3	192.168.1.85	445	173 243	183.477 MB
4	106.51.45.65	443	154 637	143.344 MB
5	192.168.1.118	445	134 659	133.38 MB
6	192.168.1.79	2425	97801	119.85 MB
7	162.159.140.167	443	317 592	92.194 MB
8	2607:fc48:800:cccc::245	443	92126	91.968 MB
9	192.168.30.243	3389	146 809	54.775 MB
10	192.168.30.48	3389	116 030	41.331 MB
11	202.83.26.122	443	33395	36.1 MB
12	151.101.156.158	443	31575	34.96 MB

Top Server Not Accepting Connections

- The **Top Server Not Accepting Connections** displays servers that rejected incoming TCP connection attempts



Top Server Not Accepting Connections

e.g., port == 443 Total: 3027

S.No	Server IP	Server Port	%RST	Total Connections
1	192.147.130.245	443	100	22
2	18.161.216.9	443	100	11
3	52.123.168.108	443	100	1
4	142.251.220.99	443	100	1
5	35.214.161.212	443	100	1
6	2600:1417:73::17d9:3483	443	100	20
7	18.159.187.83	443	100	5
8	2603:1046:2000:60::d	443	100	7
9	23.11.215.26	443	100	2
10	66.117.22.190	443	100	2
11	23.62.12.35	443	100	2
12	38.70.11.211	443	100	7

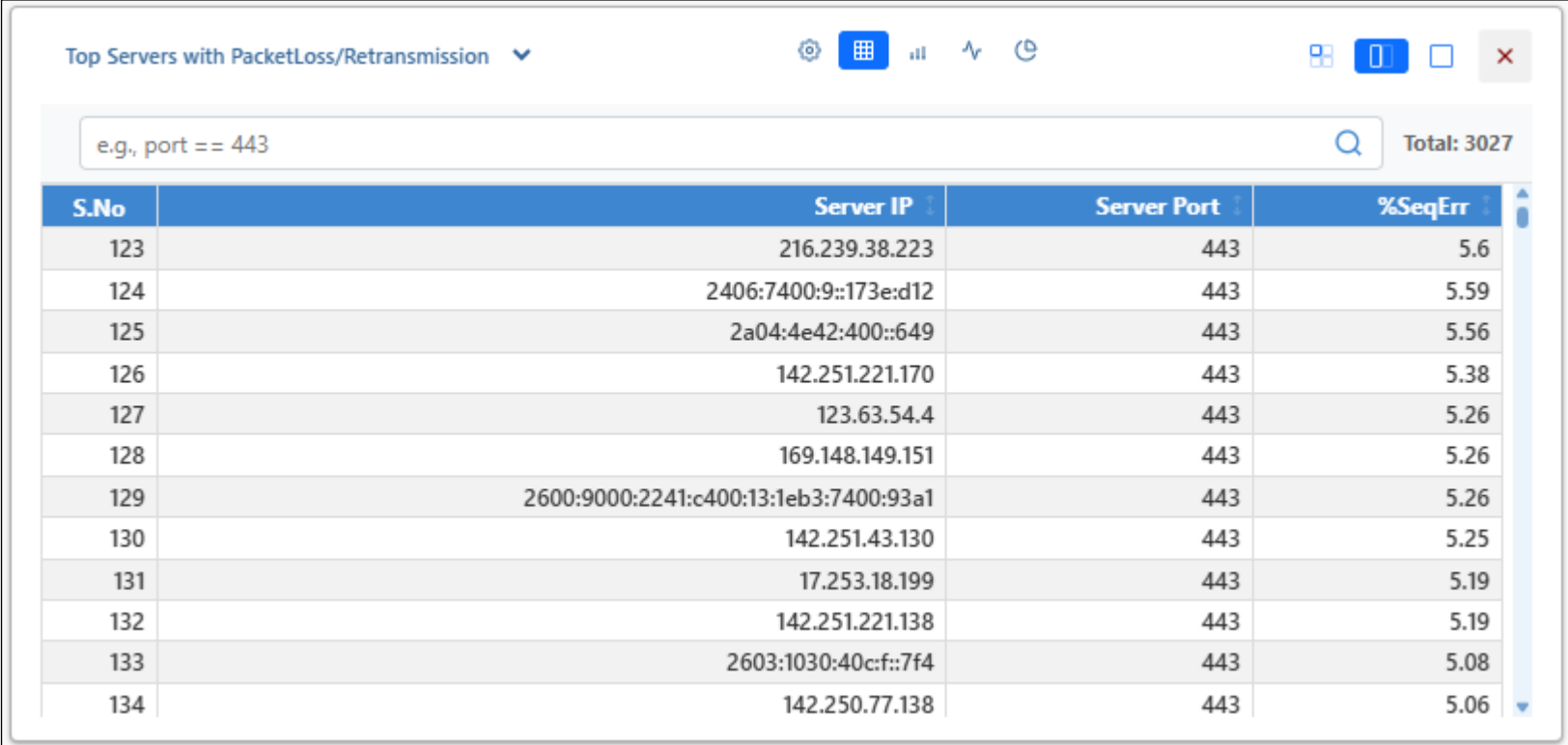
Top Server with Severe Congestion

- The **Top Server with Severe Congestion** displays servers experiencing severe TCP congestion conditions

S.No	Server IP	Server Port	%Congestion
9	34.36.54.80	443	1.06
10	2603:1040:a06:8::1f1	443	0.65
11	2404:6800:4007:83f::200e	443	0.63
12	142.251.222.138	443	0.62
13	74.125.24.84	443	0.37
14	2a03:2880:f369:120:face:b00c:0:167	443	0.37
15	106.51.45.51	443	0.37
16	2602:803:c006:158::65	443	0.36
17	2603:1063:10f:100::21	443	0.32
18	2404:6800:4007:83b::2005	443	0.29
19	2603:1046:1400:1::2	443	0.28
20	34.120.237.76	443	0.22

Top Servers with Retransmissions

- The **Top Servers with Packet Loss/Retransmission** displays servers where TCP packet loss or retransmissions were detected during communication. This helps identify reliability issues affecting data delivery



Top Servers with PacketLoss/Retransmission

e.g., port == 443 Total: 3027

S.No	Server IP	Server Port	%SeqErr
123	216.239.38.223	443	5.6
124	2406:7400:9::173e:d12	443	5.59
125	2a04:4e42:400::649	443	5.56
126	142.251.221.170	443	5.38
127	123.63.54.4	443	5.26
128	169.148.149.151	443	5.26
129	2600:9000:2241:c400:13:1eb3:7400:93a1	443	5.26
130	142.251.43.130	443	5.25
131	17.253.18.199	443	5.19
132	142.251.221.138	443	5.19
133	2603:1030:40c:f::7f4	443	5.08
134	142.250.77.138	443	5.06

Top Clients By Bytes and Packets

- The **Top Client By Bytes** displays client IP addresses ranked based on the total volume of data transmitted and received. This helps identify clients generating the highest traffic in the network
- The **Top Client By Packets** displays client IP addresses ranked based on the total number of packets transmitted and received

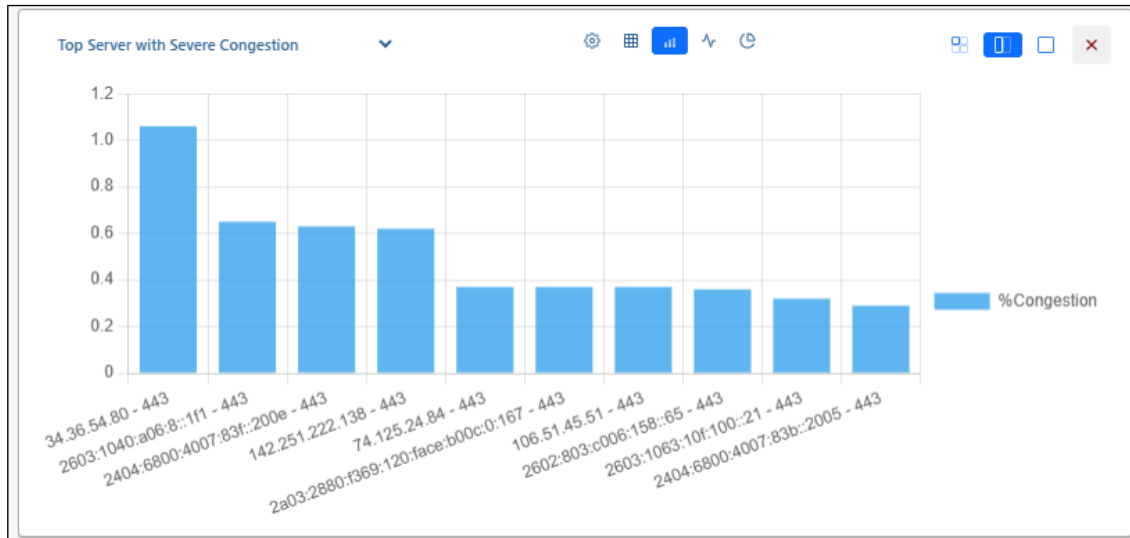
S.No	Client IP	Bytes
1	192.168.1.28	1.851 GB
2	192.168.1.110	778.311 MB
3	192.168.12.95	188.009 MB
4	192.168.12.221	154.947 MB
5	2409:4091:903e:a407:b7d6:6b6c:bdd3:c33	125.11 MB
6	192.168.1.50	107.54 MB
7	192.168.12.83	77.813 MB
8	192.168.1.76	62.466 MB
9	2409:4091:903e:a407:4ff4:3a7d:d4ab:bf5d	58.263 MB
10	192.168.1.38	49.508 MB
11	192.168.1.17	48.473 MB
12	192.168.1.34	45.315 MB

S.No	Client IP	Packets
1	192.168.1.28	2 076 726
2	192.168.1.110	851 623
3	192.168.1.50	365 663
4	192.168.12.95	190 120
5	192.168.1.76	169 317
6	192.168.12.221	157 033
7	2409:4091:903e:a407:b7d6:6b6c:bdd3:c33	139 637
8	192.168.1.17	136 082
9	192.168.1.38	107 537
10	192.168.1.108	97357
11	192.168.1.35	77452
12	2409:4091:903e:a407:4ff4:3a7d:d4ab:bf5d	77032

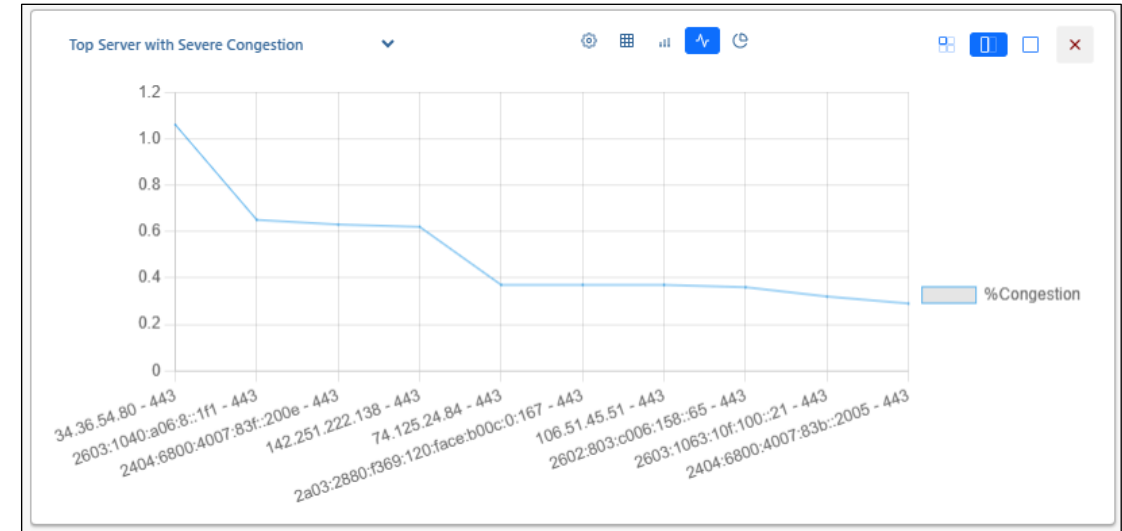
Flexible Chart Visualization (Pie, Bar and Line Charts)

- Provides multiple chart visualization options to represent statistical data in easy-to-interpret format
- Users can switch between different chart types such as **Bar**, **Line**, and **Pie** charts based on their analysis requirements

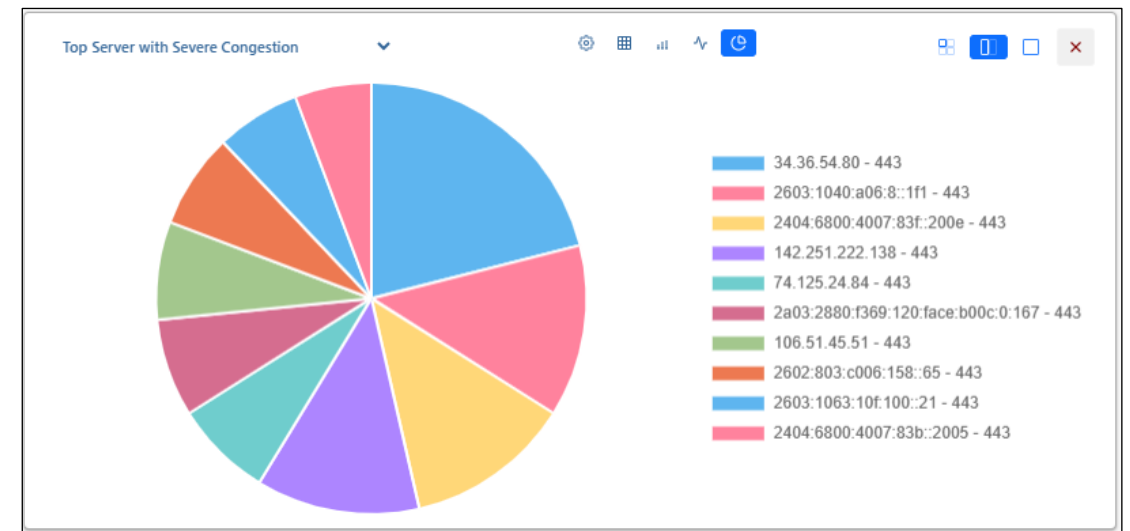
Bar Chart



Line Chart



Pie Chart



TCP Server Summary

- The **TCP Server Summary** view displays traffic statistics associated with server endpoints observed during TCP communication

PacketScan Web™

Status (100%)

Processed : 6.4M
Total : 6.4M
Frames/sec: 0

Dashboard

MAC Conversation 398

MAC Endpoint 145

IP Conversation 9696

IP Endpoint 3216

TCP Conversation 25152

TCP Endpoint 27874

UDP Conversation 21730

UDP Endpoint 21454

Port 26584

TCP

Server Summary

Client Summary

TCP Statistics

Reports

Search: e.g., port == 443 Total: 3027

S.No	Server IP	Server Port	Packets	Bytes	Error Seq#	Cong Count	Severe Cong	TCP Conversations	Reset Count
1	52.168.112.66	443	1131	546.569 KB	6	404	0	38	13
2	103.43.91.16	443	1220	804.28 KB	0	39	0	16	0
3	172.64.155.209	443	19294	8.683 MB	16	7832	0	79	0
4	40.74.79.222	443	1752	831.588 KB	0	108	0	49	32
5	13.227.180.4	443	56677	20.472 MB	132	28543	0	312	8
6	13.107.213.58	443	4553	2.945 MB	61	1514	0	67	5
7	13.107.5.88	443	2606	1.228 MB	1	943	0	192	188
8	20.190.146.33	443	1821	981.092 KB	7	144	0	50	42
9	104.20.40.222	443	5	333 B	0	5	0	1	0
10	52.185.211.133	443	753	262.125 KB	0	355	0	33	20
11	23.209.218.9	443	843	209.85 KB	41	344	0	49	49
12	2606:4700:10::ac42:9a58	443	96	25.35 KB	2	47	0	3	0
13	2406:7400:9::173ed0a	443	570	413.63 KB	15	54	0	11	6
14	2600:1417:7::174b:17a2	443	54	37.53 KB	0	0	0	1	1
15	13.107.4.254	443	72	21.797 KB	0	30	0	2	0
16	40.100.137.242	443	1464	503.17 KB	0	791	0	4	2
17	23.11.215.58	443	168	89.295 KB	0	66	0	4	2
18	35.190.80.1	443	624	108.029 KB	0	295	0	20	2
19	2603:1063:2202:38::25	443	3	235 B	0	1	0	1	1

Search: e.g., port == 443 Total: 38

S.No	Source IP	Destination IP	Source Port	Destination Port	Efficiency %	Events	Bytes	Packets	Payload	Start Time	End Time	Duration	Forward Congestion r/v
1	192.168.1.199	52.168.112.66	49330	443	100	0x29	60 B	1	0 B	2026/01/02 17:15:06.634656000	2026/01/02 17:15:06.634656000	0ns	
2	192.168.1.120	52.168.112.66	53142	443	100	0x2001	180 B	3	0 B	2026/01/02 17:15:09.112407000	2026/01/02 17:15:09.325940000	213.533ms	
3	192.168.1.29	52.168.112.66	55641	443	100	0x29	60 B	1	0 B	2026/01/02 17:16:29.613542000	2026/01/02 17:16:29.613542000	0ns	
4	192.168.1.110	52.168.112.66	53250	443	100	0x2800	10.545 KB	28	8.961 KB	2026/01/02 17:18:21.687294000	2026/01/02 17:18:23.391906000	1.705s	
5	192.168.1.227	52.168.112.66	55558	443	86.69	0x50	9.901 KB	24	8.557 KB	2026/01/02 17:19:06.880768000	2026/01/02 17:19:10.646876000	3.766s	
6	192.168.1.196	52.168.112.66	60695	443	100	0x1810	11.849 KB	31	10.073 KB	2026/01/02 17:19:24.989039000	2026/01/02 17:21:32.838967000	2.131m	
7	192.168.1.196	52.168.112.66	64155	443	100	0x1810	31.655 KB	75	27.395 KB	2026/01/02 17:19:26.028962000	2026/01/02 17:22:22.041040000	2.934m	
8	192.168.1.199	52.168.112.66	64691	443	100	0x10	11.019 KB	21	9.819 KB	2026/01/02 17:24:04.505130000	2026/01/02 17:26:09.051049000	2.076m	
9	192.168.1.68	52.168.112.66	51254	443	100	0x2800	9.394 KB	21	8.2 KB	2026/01/02 17:30:50.996000000	2026/01/02 17:30:52.088276000	1.092s	
10	192.168.1.68	52.168.112.66	51256	443	100	0x2800	9.288 KB	21	8.094 KB	2026/01/02 17:30:56.397793000	2026/01/02 17:30:57.702751000	1.305s	
11	192.168.1.68	52.168.112.66	51257	443	100	0x2800	9.395 KB	21	8.201 KB	2026/01/02 17:30:58.889884000	2026/01/02 17:30:59.884593000	994.709ms	
12	192.168.1.68	52.168.112.66	51255	443	100	0x3800	11.191 KB	30	9.433 KB	2026/01/02 17:30:54.810088000	2026/01/02 17:31:00.811189000	6.001s	

TCP Client Summary

- The **TCP Client Summary** view displays traffic statistics associated with client endpoints observed during TCP communication

PacketScan Web™

Status (100%)

Processed : 6.4M
Total : 6.4M
Frames/sec: 0

Dashboard

MAC Conversation 398

MAC Endpoint 145

IP Conversation 9696

IP Endpoint 3216

TCP Conversation 25152

TCP Endpoint 27874

UDP Conversation 21730

UDP Endpoint 21454

Port 26584

TCP

Server Summary

Client Summary

TCP Statistics

Reports

Search: e.g., port == 443 Total: 305

S.No	Client IP	Server Port	Packets	Bytes	Error Seq#	Cong Count	Severe Cong	TCP Conversations	Reset Count
1	192.168.1.110	443	851 623	778.311 MB	33720	20381	1	1436	831
2	192.168.1.86	443	7915	3.023 MB	29	3309	0	159	104
3	192.168.1.218	443	302	89.284 KB	0	0	0	16	7
4	192.168.1.31	443	48238	26.386 MB	230	13164	9	584	211
5	192.168.12.95	445	189 719	187.897 MB	342	90	0	94	93
6	2409:4091:903e:a407:82c4:cce1:6477:446c	443	20144	12.606 MB	187	4525	0	174	80
7	2409:4091:903e:a407:29d8:798d:b509:43e9	443	11091	13.252 MB	400	4	0	24	19
8	192.168.1.151	443	11002	3.781 MB	28	4545	0	202	110
9	192.168.12.12	445	1045	208.211 KB	0	0	0	5	4
10	192.168.1.57	2425	90	67.784 KB	0	0	0	2	0
11	192.168.1.140	443	1654	543.521 KB	5	613	0	37	20
12	192.168.12.22	445	818	197.733 KB	0	0	0	6	6
13	2409:4091:903e:a407:b6f0:8bff:3c31:7966	443	524	219.112 KB	17	0	0	11	8
14	192.168.1.126	443	2829	2.209 MB	9	431	0	20	9
15	192.168.12.7	443	33	17.866 KB	1	0	0	1	1
16	2409:4091:903e:a407:8431:7670:c78a:2abf	443	290	76.467 KB	3	0	0	6	5
17	192.168.12.74	443	84	42.274 KB	1	0	0	3	3
18	192.168.12.39	2425	81	81.181 KB	0	0	0	1	0
19	192.168.1.48	5228	168	10.704 KB	0	0	0	1	0

Search: e.g., port == 443 Total: 1436

S.No	Source IP	Destination IP	Source Port	Destination Port	Efficiency %	Events	Bytes	Packets	Payload	Start Time	End Time	Duration	Forward Congestion rW
1	192.168.1.110	57.144.211.32	58316	443	100	0x2000	8.902 KB	33	6.722 KB	2026/01/02 17:15:07.087185000	2026/01/02 17:15:07.343825000	256.640ms	
2	192.168.1.110	172.64.155.209	64136	443	100	0x2801	273 B	4	39 B	2026/01/02 17:15:09.144860000	2026/01/02 17:15:09.152415000	7.555ms	
3	192.168.1.110	18.161.216.37	56895	443	100	0x811	120 B	2	1 B	2026/01/02 17:15:18.446176000	2026/01/02 17:15:18.447489000	1.313ms	
4	192.168.1.110	40.99.34.162	54103	443	100	0x2801	740 B	9	224 B	2026/01/02 17:15:07.229198000	2026/01/02 17:15:25.055258000	17.826s	
5	192.168.1.110	202.83.26.113	60082	443	100	0x2801	258 B	4	24 B	2026/01/02 17:15:28.139952000	2026/01/02 17:15:28.142169000	2.217ms	
6	192.168.1.110	34.102.128.190	55887	443	100	0x29	60 B	1	0 B	2026/01/02 17:15:31.159181000	2026/01/02 17:15:31.159181000	0ns	
7	192.168.1.110	142.251.222.206	41184	443	100	0x29	60 B	1	0 B	2026/01/02 17:15:43.503516000	2026/01/02 17:15:43.503516000	0ns	
8	192.168.1.110	216.239.38.223	40684	443	100	0x29	60 B	1	0 B	2026/01/02 17:15:44.472678000	2026/01/02 17:15:44.472678000	0ns	
9	192.168.1.110	40.100.137.242	53055	443	100	0x829	60 B	1	0 B	2026/01/02 17:15:59.742247000	2026/01/02 17:15:59.742247000	0ns	
10	192.168.1.110	104.18.39.21	57793	443	100	0x2801	1.652 KB	21	266 B	2026/01/02 17:15:16.561267000	2026/01/02 17:15:59.771744000	43.210s	
11	192.168.1.110	40.104.146.194	53057	443	100	0x29	60 B	1	0 B	2026/01/02 17:16:00.258093000	2026/01/02 17:16:00.258093000	0ns	

IP Analytics™ Reports

- Generates analytical reports from captured traffic and session statistics
- Provides consolidated traffic analysis and network performance information for troubleshooting

The screenshot displays the PacketScan Web™ IP Analytics interface. The top navigation bar includes 'Probe', 'PA', 'PDA', 'IP Analytics', 'Event Log', and 'Admin'. The main content area features a 'Download Report' button highlighted with a red box. On the left sidebar, a 'Reports' menu item is also highlighted with a red box. The sidebar contains a status summary and a list of navigation items with associated counts.

Item	Count
MAC Conversation	398
MAC Endpoint	145
IP Conversation	9696
IP Endpoint	3216
TCP Conversation	25152
TCP Endpoint	27874
UDP Conversation	21730
UDP Endpoint	21454
Port	26584

IP Analytics™ Reports (Contd.)

- Reports are generated in CSV format
- Includes worksheets for:
 - TCP Conversations
 - TCP Endpoints
 - TCP Client/Server Statistics
- Provides:
 - IP addresses and Ports
 - Session statistics
 - Packet and Byte statistics
 - TCP efficiency and event details
- Supports offline analysis, troubleshooting, and traffic validation

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Source IP	Destination IP	Source Port	Destination Port	Efficiency %	Events	Packets	Bytes	Payload	TCP State	Start Time	End Time	Duration
2	192.168.1.52	103.43.90.117	55148	443	100	0x29	1	60	0	RESET	2026/01/02 17:1	2026/01/02 17:1	0.000
3	192.168.1.85	100.51.171.88	61486	443	100	0x2801	9	1138	622	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.232
4	192.168.1.52	103.43.90.117	63383	443	100	0x29	1	60	0	RESET	2026/01/02 17:1	2026/01/02 17:1	0.000
5	2409:4091:903::2620:1ec:33:1::12		49700	443	100	0x2001	15	6081	4959	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.130
6	192.168.1.27	13.219.155.123	53195	443	100	0x2801	18	7499	6479	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.483
7	192.168.1.22	18.178.183.62	52519	443	100	0x2801	4	265	31	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.110
8	192.168.1.85	54.158.171.166	50852	443	100	0x2801	19	7903	6823	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.669
9	192.168.1.20	52.123.128.14	50635	443	100	0x29	1	60	0	RESET	2026/01/02 17:1	2026/01/02 17:1	0.000
10	192.168.1.7	99.86.182.81	51527	443	100	0x2801	5	333	39	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.002
11	192.168.1.44	192.168.151.164	53271	5001	100	0x2000	12	1237	535	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.033
12	192.168.1.136	202.83.26.113	63491	443	100	0x2801	4	258	24	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.001
13	192.168.1.136	23.219.73.130	63490	443	100	0x2801	4	258	24	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.081
14	192.168.1.164	135.233.45.223	52984	443	100	0x2800	31	20182	18128	CLOSED	2026/01/02 17:1	2026/01/02 17:1	1.842
15	192.168.1.199	52.168.112.66	49330	443	100	0x29	1	60	0	RESET	2026/01/02 17:1	2026/01/02 17:1	0.000
16	192.168.1.22	52.73.45.44	52520	443	100	0x2801	4	258	24	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.208
17	192.168.12.7	192.168.1.3	62641	445	100	0x811	5	564	288	RESET	2026/01/02 17:1	2026/01/02 17:1	0.002
18	192.168.1.110	57.144.211.32	58316	443	100	0x2000	33	8902	6722	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.257
19	192.168.1.28	20.207.85.57	61516	443	100	0x2801	3	180	0	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.022
20	192.168.1.28	40.104.134.98	61517	443	100	0x2801	3	180	0	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.007
21	192.168.1.52	103.43.91.18	59230	443	100	0x2841	5	365	77	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.041
22	192.168.1.52	103.43.91.16	63963	443	100	0x2001	7	485	77	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.039
23	2409:4091:903::2620:1ec:50::17		50412	443	100	0x29	1	74	0	RESET	2026/01/02 17:1	2026/01/02 17:1	0.000
24	192.168.1.21	54.210.55.193	58600	443	100	0x2801	6	411	63	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.000
25	192.168.1.21	52.69.19.115	57755	443	100	0x3801	19	4893	3766	CLOSED	2026/01/02 17:1	2026/01/02 17:1	3.882
26	192.168.1.17	18.97.36.56	57836	443	100	0x2801	5	318	24	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.209
27	192.168.1.110	172.64.155.209	64136	443	100	0x2801	4	273	39	CLOSED	2026/01/02 17:1	2026/01/02 17:1	0.008
28	2409:4091:903::2603:1046:900:54::2		62627	443	100	0x10	35	10576	7974	RESET	2026/01/02 17:1	2026/01/02 17:1	0.77
29	2409:4091:903::2603:1046:900:68::2		62629	443	100	0x10	36	10584	7908	RESET	2026/01/02 17:1	2026/01/02 17:1	0.41
30	2409:4091:903::2603:1046:c06:897::2		62631	443	100	0x10	33	9950	7496	RESET	2026/01/02 17:1	2026/01/02 17:1	0.151

Thank you