KEYSIGHT TECHNOLOGIES

CyPerf Test Report

2_Bottleneck_bandwidth

Start Time: 01/22 18:33:05
Duration: 0 day(s) 0:2:16

Table of Contents

Please check the Bookmarks for subsections.

Test Parameters

Application Profile

App Mix

	Name		Weight	
1.	HTTP App		1	100 %

	Name	Network Endpoint	Network Tags
1.	HTTP App	Client	Client
		Server	Server

Objectives & Timeline

Primary Objective

Objective Type
Throughput

Primary Objective Timeline

Steady segment	100 Gbps for 120 seconds

Secondary Objective

Advanced Settings

Warm Up Period	Optimization Mode	Connections Graceful Stop Timeout
0	Balanced (default)	120

IP Network 1

IP Range 1

Automatic IP	Automatic IP Prefix Length	Automatic Gateway	Automatic MSS
false	true	true	false

IP Start	IP Increment	Count	Max Count Per Agent
10.0.0.30	0.0.0.1	1	1

MSS (bytes)
8972

Network Properties

Network Tags	Client
Minimum Agents	1

Assigned agents

By Port	
By IP Address	10.39.47.97
By Agent Tag	

IP Network 2

IP Range 1

Automatic IP	Automatic IP Prefix Length	Automatic Gateway	Automatic MSS
false	true	true	false

IP Start	IP Increment	Count	Max Count Per Agent
10.0.0.40	0.0.0.1	1	1

MSS (bytes)
8972

Network Properties

Network Tags	Server
Minimum Agents	1

Assigned agents

By Port	
By IP Address	10.39.47.53
By Agent Tag	

Summary

L23 Throughput
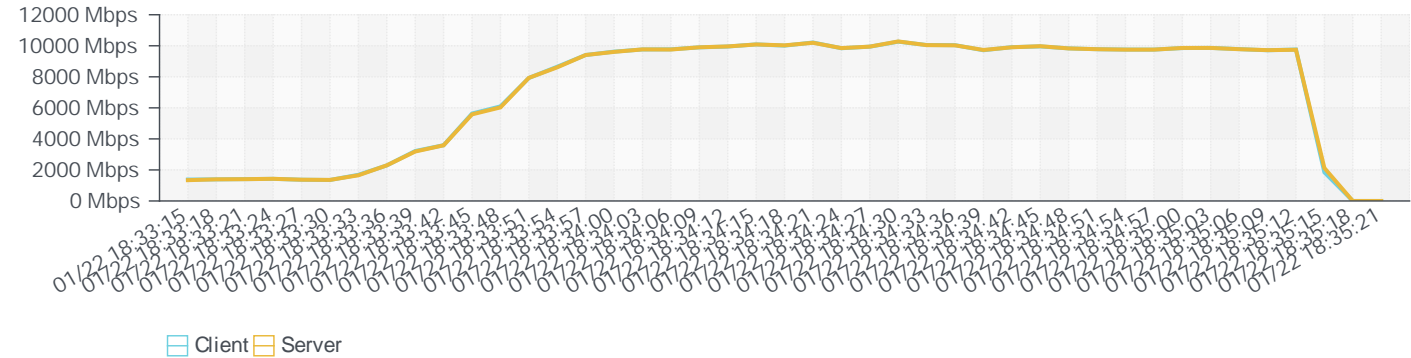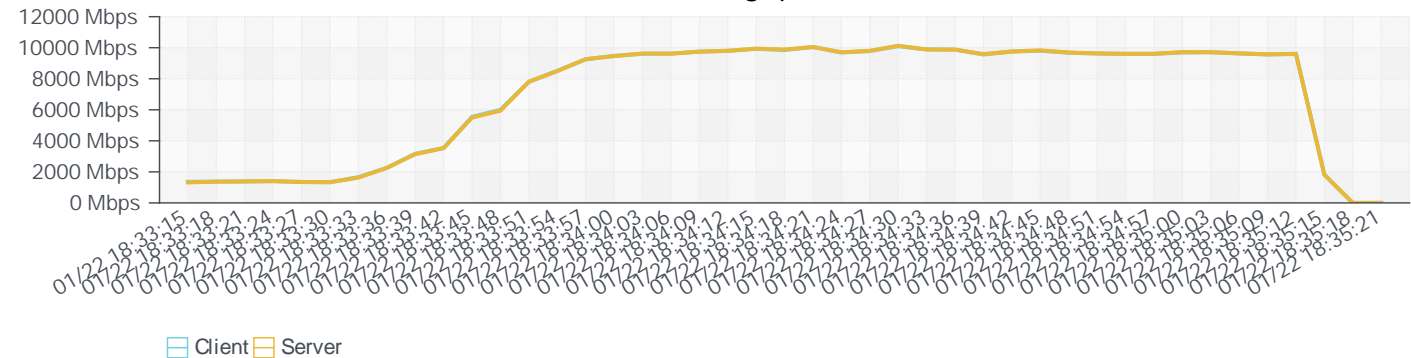
Client Server

L47 Throughput

Client Server

Application Simulated Users

User Count Concurrent Connections

Application Connection Rate

Connections Initiated Connections Succeeded Connections Failed

Applications

	Initiated	Succeeded	Failed
	107719	107719	
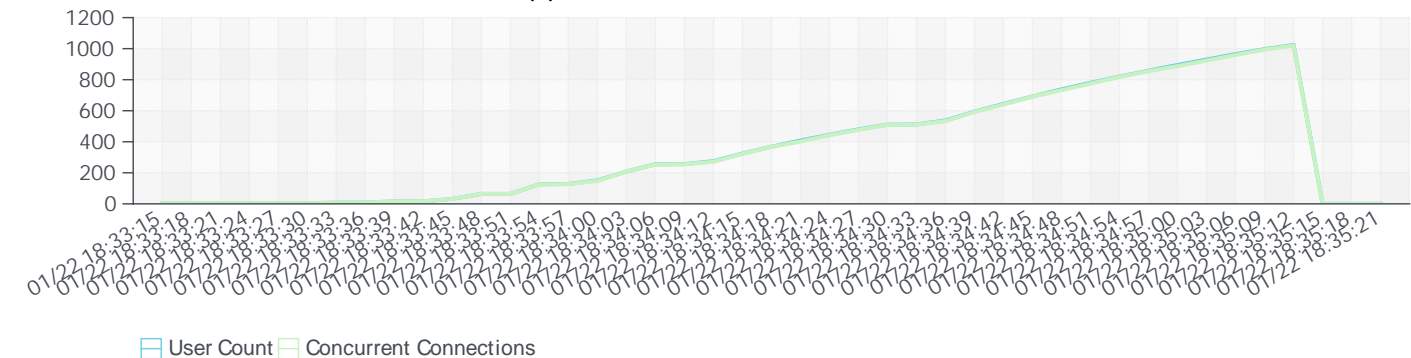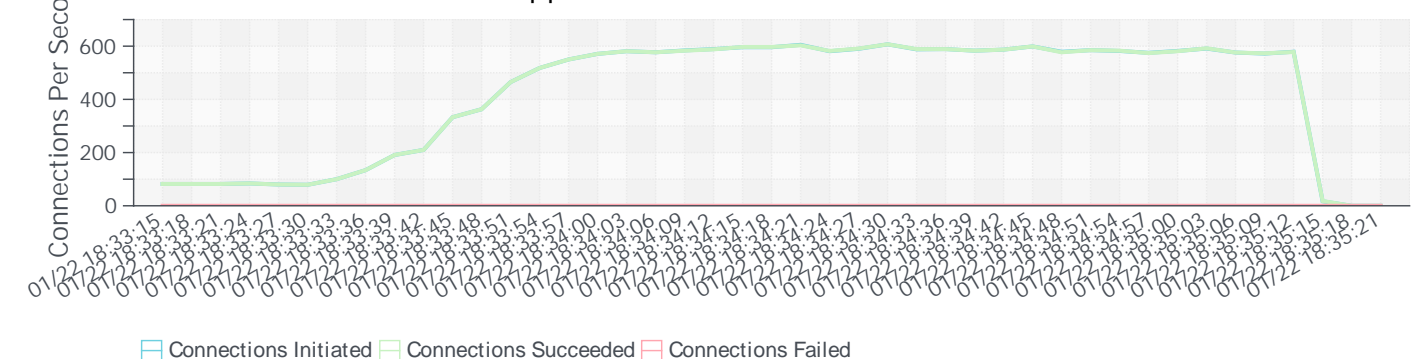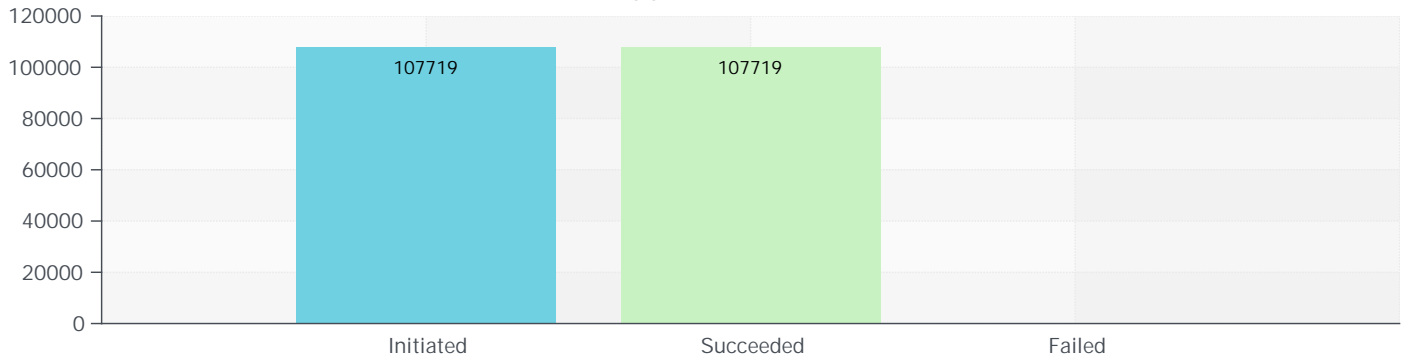
Application Traffic Distribution

100%

- HTTP App - 100%

Instantaneous Latency

Microseconds
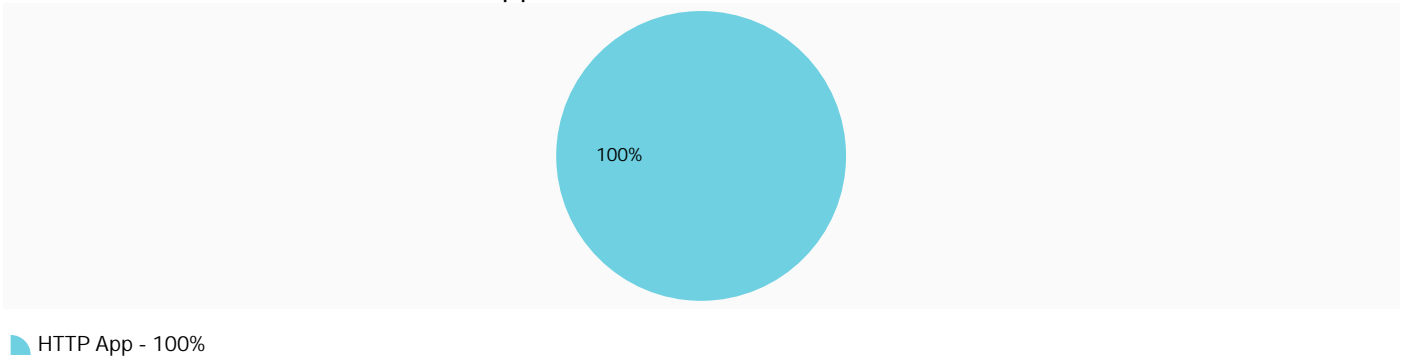
□ Average Time to First Byte □ Average Time to Last Byte □ Average Connection Latency
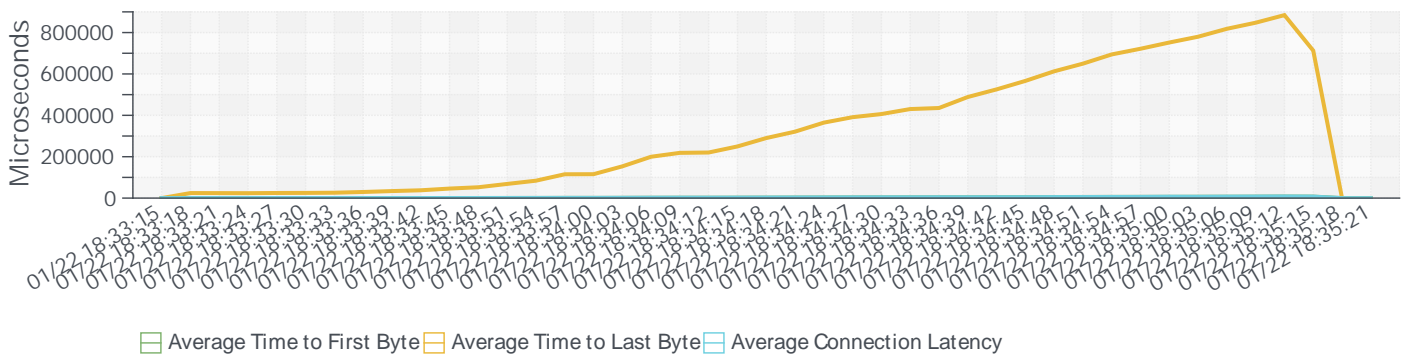
Active Agents

□ Client □ Server
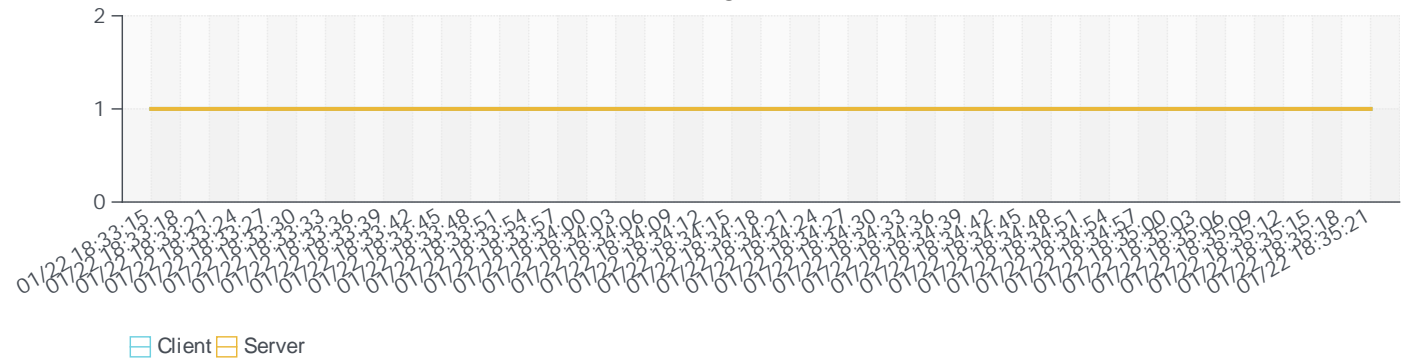
Client Application Profile

Application Simulated Users
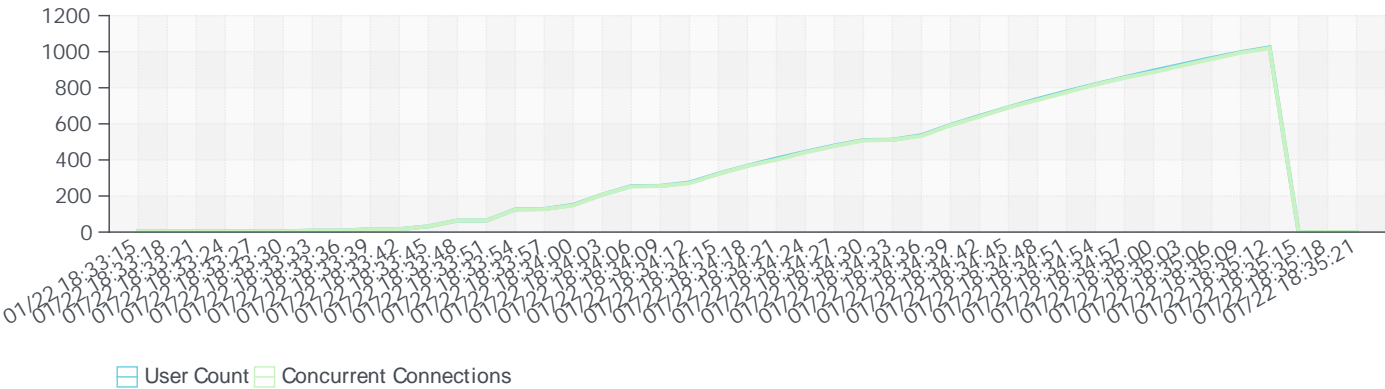
User Count □ Concurrent Connections

Application Connection Rate

Connections Initiated □ Connections Succeeded □ Connections Failed

Application Instantaneous Latency

Average Time to First Byte □ Average Time to Last Byte □ Average Connection Latency

Application Instantaneous Latency (Max)

Time to First Byte (Max)　　Time to Last Byte (Max)

Application Instantaneous Latency (Min)

Time to First Byte (Min)　　Time to Last Byte (Min)
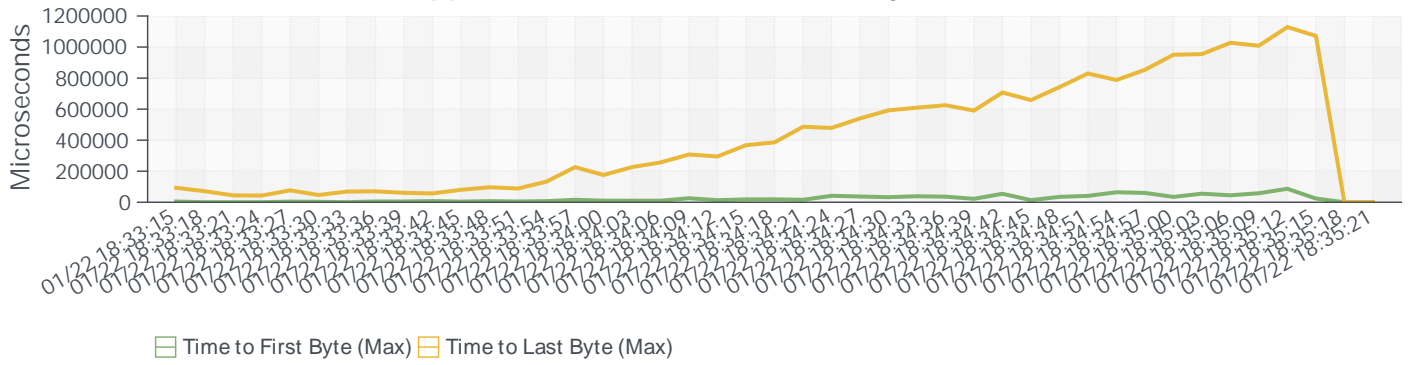
HTTP Requests Rate
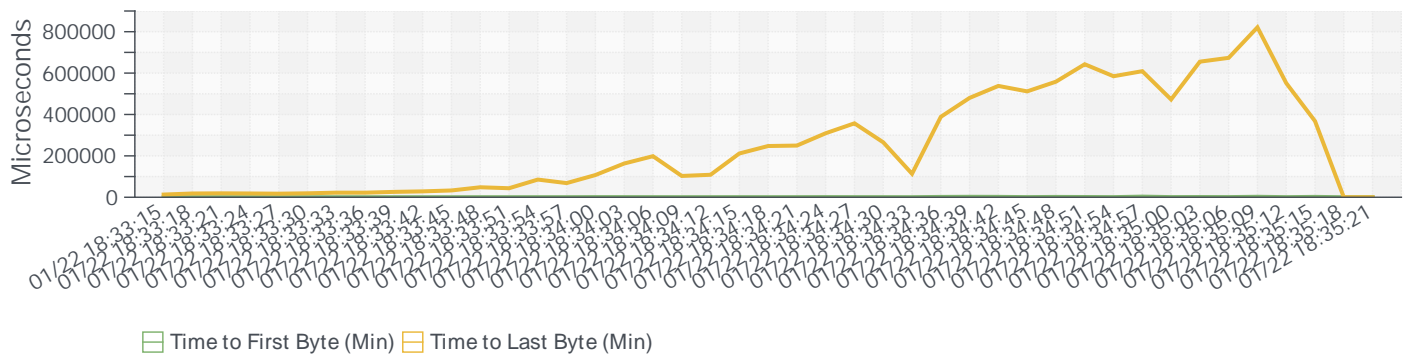
Application HTTP Request Rate
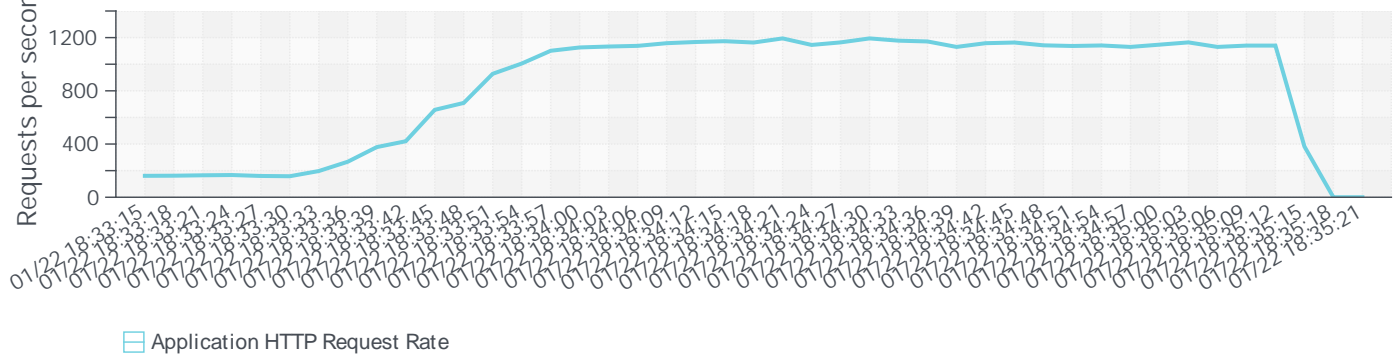
Client Application Statistics

Profile	Application	Bytes sent	Bytes received
App Client Application Profile-IP Network 1	HTTP App	33873018	112981984154

Profile	Application	Connections Initiated	Connections Succeeded	Connections Failed	Connections Aborted
App Client Application Profile-IP Network 1	HTTP App	54102	54102	0	0

Profile	Application	Applications Initiated	Applications Succeeded	Applications Failed	Actions Timed Out
App Client Application Profile-IP Network 1	HTTP App	107719	107719	0	0

Server Statistics

Application & Attack Statistics

Application & Attack	Bytes sent	Bytes received	Connections received	Strikes Allowed	Strikes Initiated
HTTP	112981984154	33873018	54102	0	0

TCP Statistics

Client TCP Statistics

Profile	SYN Sent	SYN Received	SYN Failed	Connections Established	Connection Initiation Failed	SYN-ACK Sent	SYN-ACK Received	SYN-ACK Failed
App Client Application Profile-IP Network 1	54102	0	0	54102	0	0	54102	0

Profile	FIN Sent	FIN Received	FIN-ACK Sent	FIN-ACK Received	RST Sent	RST Received
App Client Application Profile-IP Network 1	54102	53617	0	485	0	0

Client TCP Retransmissions Statistics

Profile	SYN Retransmitted	SYN Retransmission Aborted	Data Retransmitted	Data Retransmission Aborted	SYN-ACK Retransmitted	SYN-ACK Retransmission Aborted
App Client Application Profile-IP Network 1	0	0	0	0	0	0

Server TCP Statistics

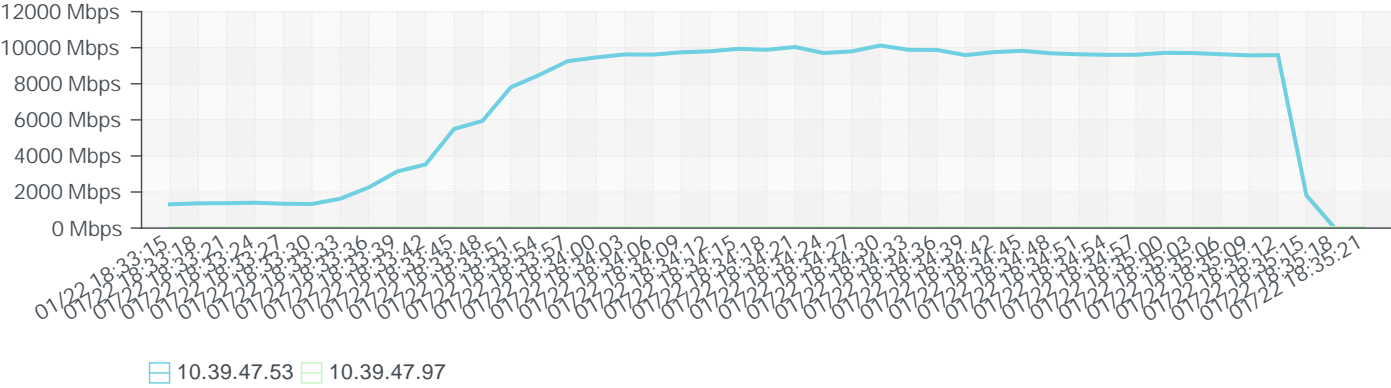| Port	SYN ACK Sent	SYN Received	SYN ACK Failed	Connections Established	Connection Initiation Failed
80	54102	54102	0	54102	0

Port	FIN ACK Sent	FIN Received	FIN Sent	FIN ACK Received	RST Sent	RST Received
80	485	54102	53617	0	0	0

Server TCP Retransmissions Statistics

Port	SYN ACK Retransmitted	SYN ACK Retransmissions Aborted	Data Retransmitted	Data Retransmissions Aborted
80	0	0	0	0

Agent Traffic Statistics

TX Throughput

10.39.47.53   **10.39.47.97**

RX Throughput

10.39.47.53   **10.39.47.97**

L23 TX Throughput

10.39.47.53   **10.39.47.97**

L23 RX Throughput

10.39.47.53   **10.39.47.97**
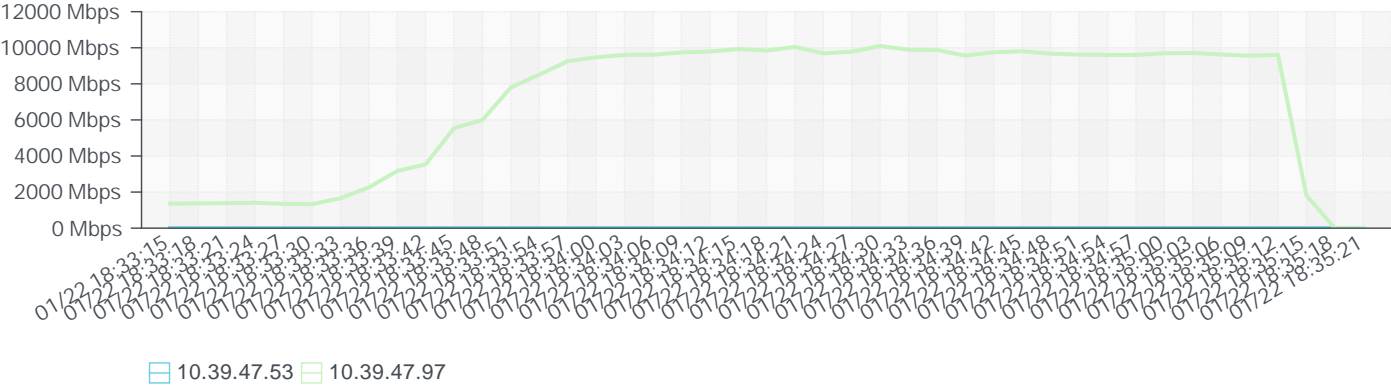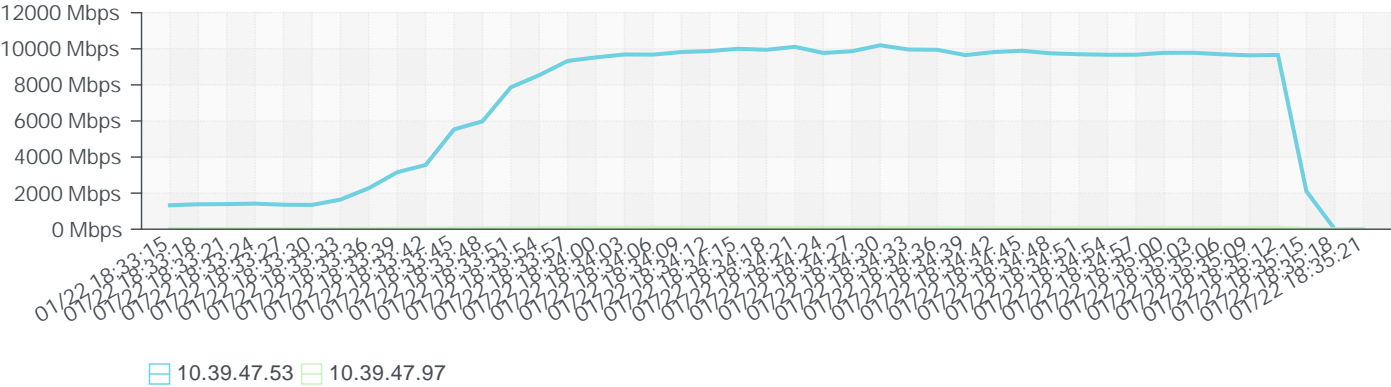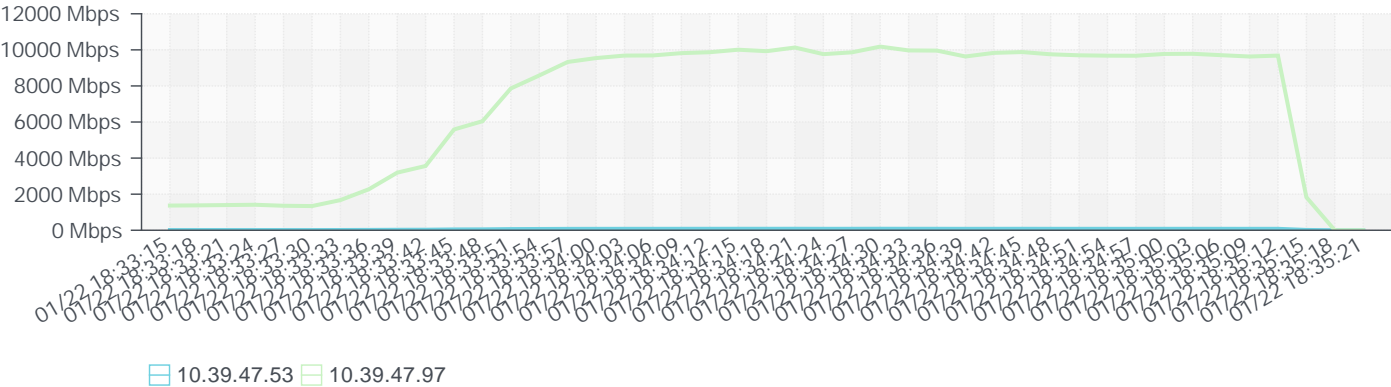
L23 Packets Sent Per Second
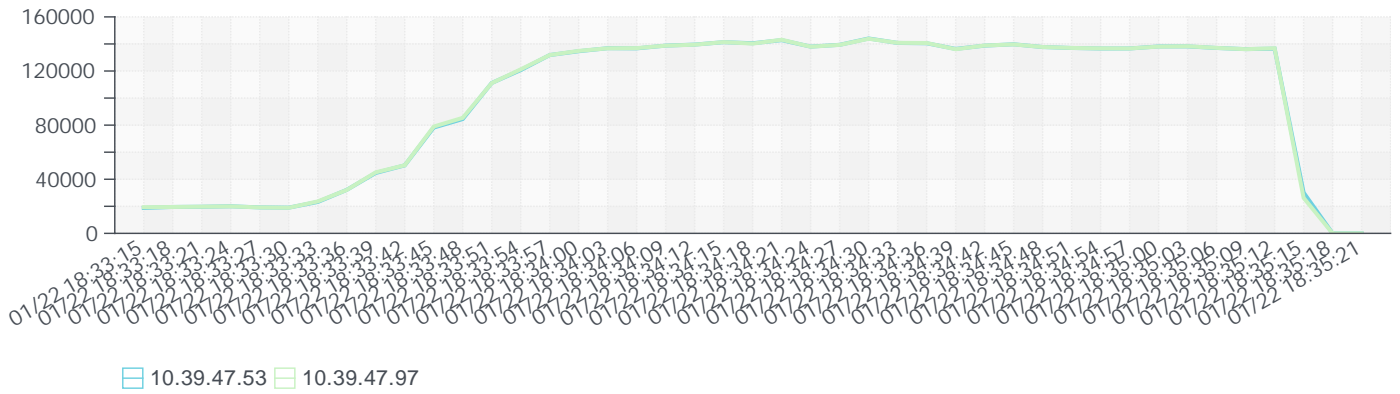
10.39.47.53   10.39.47.97

L23 Packets Received Per Second
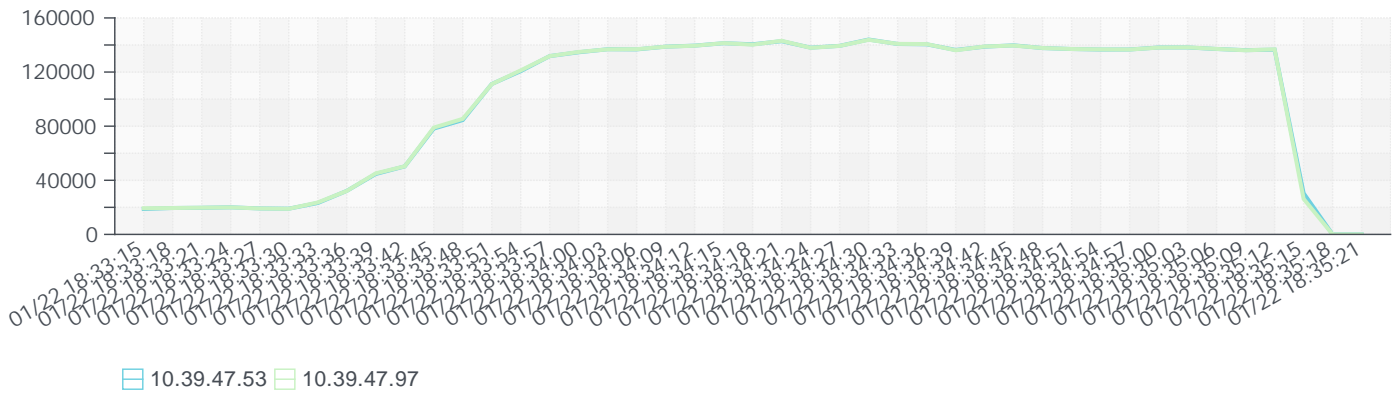
10.39.47.53   10.39.47.97

L23 Average Packets Sent Size
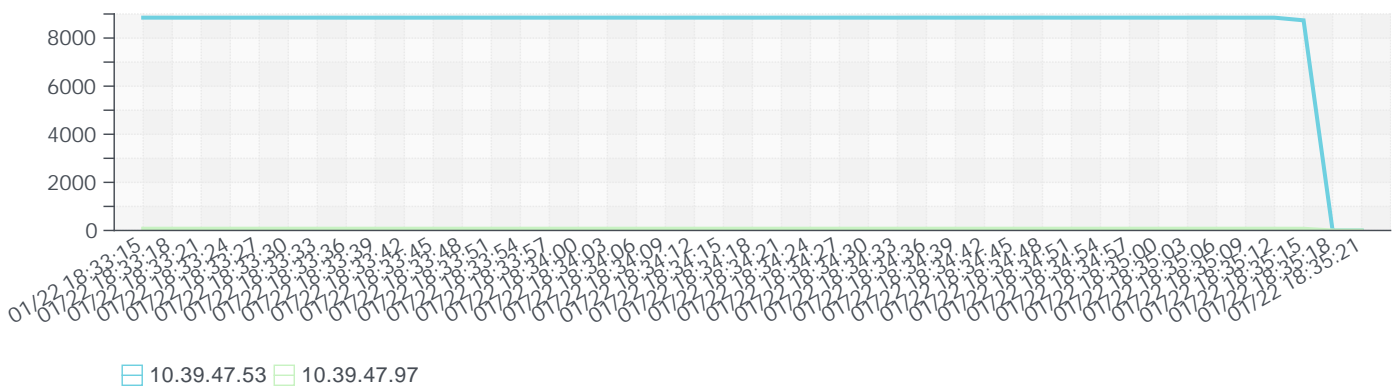
10.39.47.53   10.39.47.97

L23 Average Packets Received Size
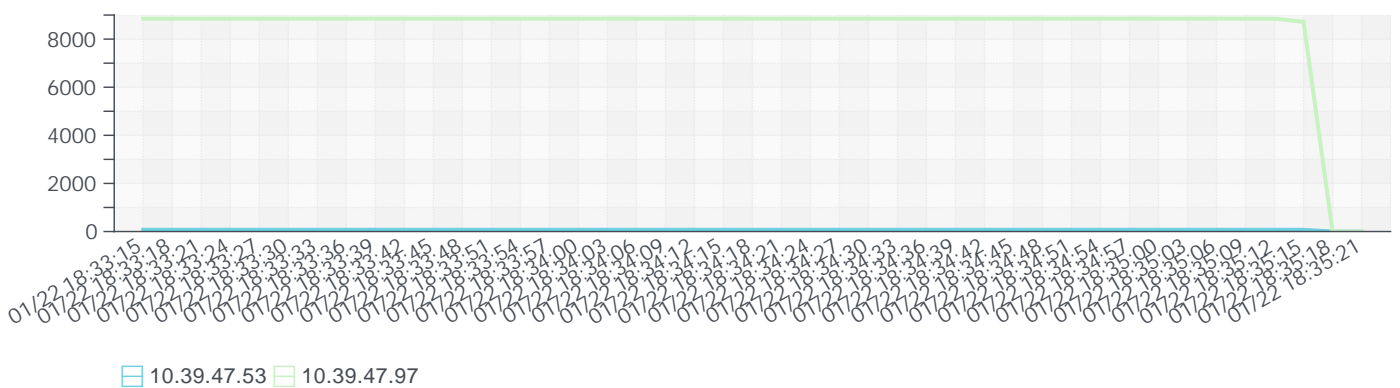
10.39.47.53   10.39.47.97

Traffic Statistics

Agent	Bytes Sent	Bytes Received	Connections Initiated	Connections Received	Connections Succeeded
10.39.47.97	33873018	112981984154	54102	0	54102
10.39.47.53	112981984154	33873018	0	54102	0

Client Application Statistics

Agent	Profile - Network Segment	Applications Initiated	Applications Succeeded	Applications Failed
10.39.47.97	App Client Application Profile-IP Network 1	107719	107719	0

L23 Statistics

Agent	Interface	Bytes Sent	Bytes Received	Packets Sent	Packets Received
10.39.47.97	ens192	935243094	113883288796	12873624	12872674
10.39.47.53	ens192	113883287100	935244790	12872665	12873633

Agent	Interface	Egress Dropped Packets	Ingress Dropped Packets	NIC Ingress Dropped Packets	Agent Ingress Dropped Packets
10.39.47.97	ens192	0	0	0	0
10.39.47.53	ens192	0	0	0	0

ARP Statistics

Agent	Interface	ARP Requests Sent	ARP Requests Received	ARP Response Sent	ARP Response Received
10.39.47.97	ens192	2	0	0	2
10.39.47.53	ens192	0	2	2	0

Client DNS Statistics

Agent	Query Sent	Query Refused	Query Aborted	Query Timed Out	Name Resolved	Server Failure	Served From Cache
10.39.47.97	0	0	0	0	0	0	0
10.39.47.53	0	0	0	0	0	0	0

Client Aggregated HTTP Statistics

HTTP General Statistics

Profile - Network Segment	Application Attack	Requests Sent	Requests Completed	Premature Responses Received	Payload Bytes Sent	Payload Bytes Received	Responses Recv 1xx Informational	Responses Recv 2xx Successful	Responses Recv 3xx Redirection	Responses Recv 4xx Client Error	Responses Recv 5xx Server Error
App Client Application Profile-IP Network 1	HTTP App	107719	107719	0	0	112951558144	0	107719	0	0	0

HTTP 3XX Redirection Statistics

Profile - Network Segment	Application Attack	Responses Recv 3xx Redirection	Responses Recv 301 Moved Permanently	Responses Recv 302 Found	Responses Recv 303 See Other	Responses Recv 307 Temporary Redirect	Responses Recv Other 3xx Redirection
App Client Application Profile-IP Network 1	HTTP App	0	0	0	0	0	0

HTTP 4XX Client Error Statistics

Profile - Network Segment	Application Attack	Responses Recv 4xx Client Error	Responses Recv 400 Bad Request	Responses Recv 401 Unauthorized	Responses Recv 403 Forbidden	Responses Recv 404 Not Found	Responses Recv 407 Proxy Authentication Required	Responses Recv 408 Request Timeout	Responses Recv 412 Precondition Failed	Responses Recv 429 Too Many Requests
App Client Application Profile-IP Network 1	HTTP App	0	0	0	0	0	0	0	0	0

HTTP 5XX Server Error Statistics

Profile - Network Segment	Application Attack	Responses Recv 5xx Server Error	Responses Recv 502 Bad Gateway	Responses Recv 503 Service Unavailable	Responses Recv 504 Gateway Timeout	Responses Recv 505 HTTP Version Not Supported
App Client Application Profile-IP Network 1	HTTP App	0	0	0	0	0

Server HTTP Statistics

Server HTTP Statistics

Application Attack Type	Payload Bytes Received	Payload Bytes Sent	Requests Received	Responses Sent
HTTP	0	112951558144	107719	107719

Server HTTP Response Statistics

Application Attack Type	Responses Sent Successfully	Responses Sent Failed	Responses Sent Aborted	Responses Sent 404 Not Found	Responses Sent 503 Service Unavailable
HTTP	107719	0	0	0	0

Client HTTP Statistics per Action
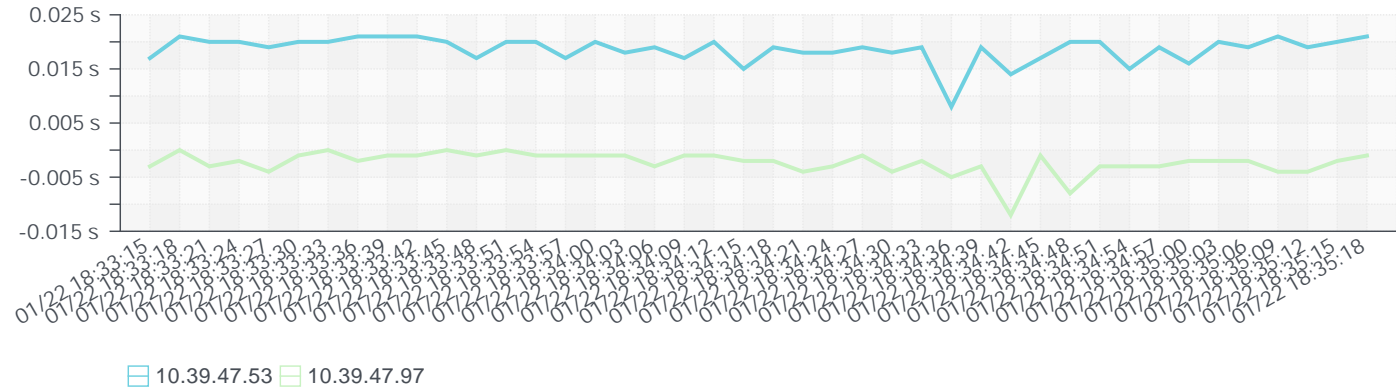
HTTP General Statistics

Profile - Network Segment	Application Attack	Action	Payload Bytes Received	Payload Bytes Sent	Responses Recv 1xx Informational	Responses Recv 2xx Successful	Responses Recv 3xx Redirection	Responses Recv 4xx Client Error	Responses Recv 5xx Server Error
App Client Application Profile-IP Network 1	HTTP App	HTTP GET	11295155 8144	0	0	107719	0	0	0

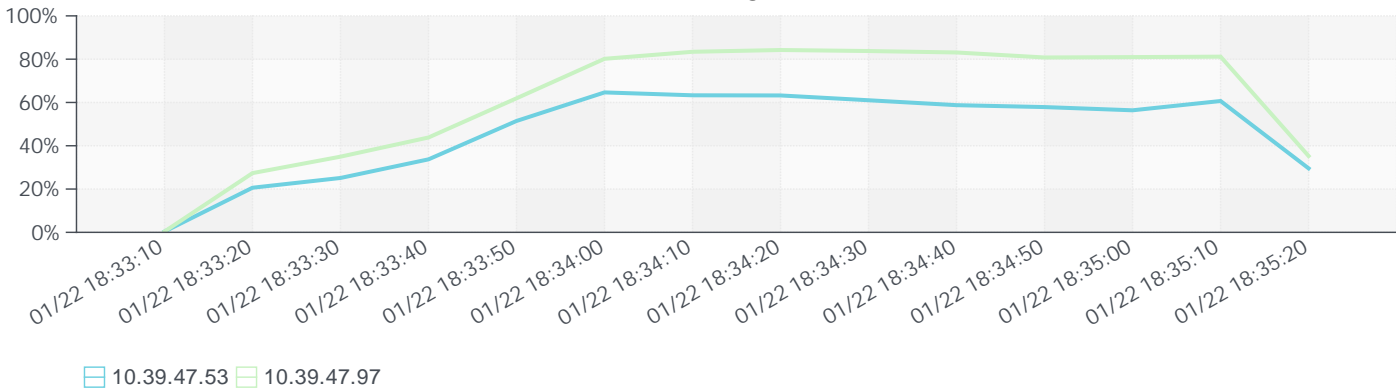| Profile - Network Segment	Application Attack	Action	Responses Recv 4xx Client Error	Responses Recv 400 Bad Request	Responses Recv 401 Unauthorized	Responses Recv 403 Forbidden	Responses Recv 404 Not Found
App Client Application Profile-IP Network 1	HTTP App	HTTP GET	0	0	0	0	0

Profile - Network Segment	Application Attack	Action	Responses Recv 5xx Server Error	Responses Recv 504 Gateway Timeout	Responses Recv 503 Service Unavailable	Responses Recv 502 Bad Gateway
App Client Application Profile-IP Network 1	HTTP App	HTTP GET	0	0	0	0

Agent Resource Metrics

Clock Offset
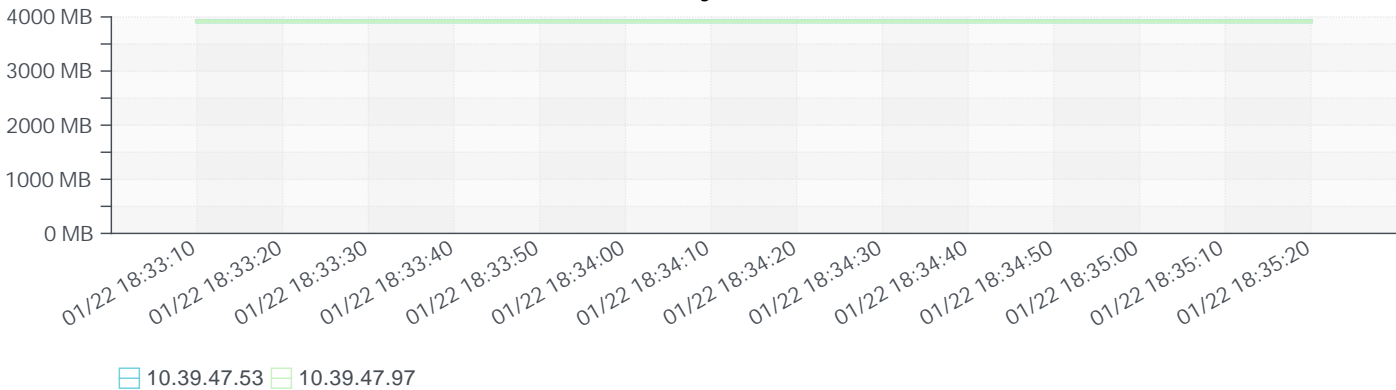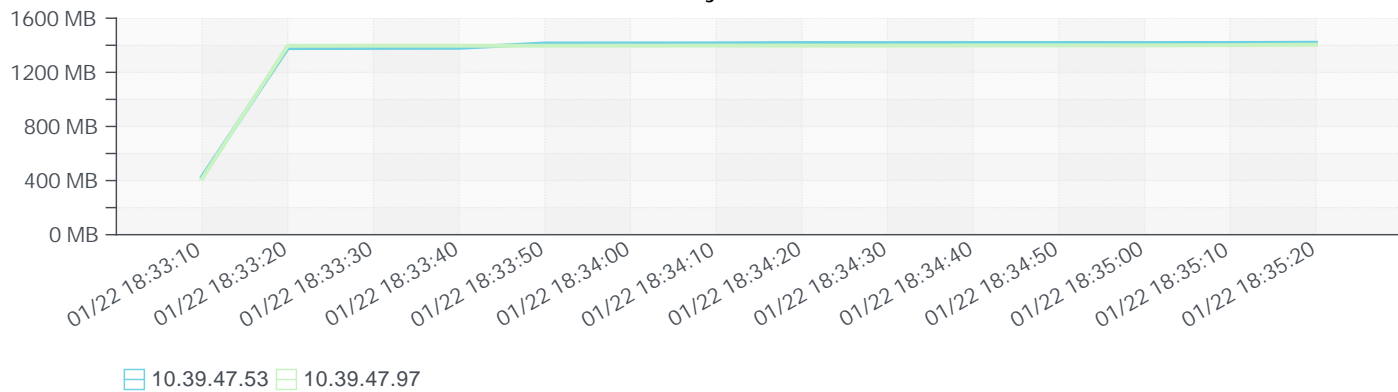
10.39.47.53   10.39.47.97

CPU Usage

10.39.47.53   10.39.47.97

Memory Total

10.39.47.53   10.39.47.97

Memory Used

□ 10.39.47.53 □ 10.39.47.97

Memory Available

□ 10.39.47.53 □ 10.39.47.97

Swap Memory Total

□ 10.39.47.53 □ 10.39.47.97

Swap Memory Free

□ 10.39.47.53 □ 10.39.47.97
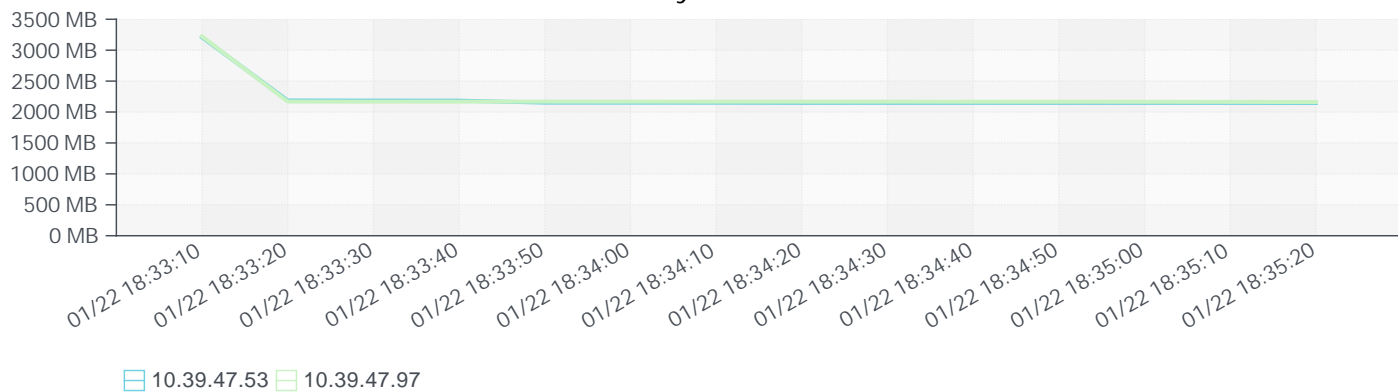
Bytes Transmitted
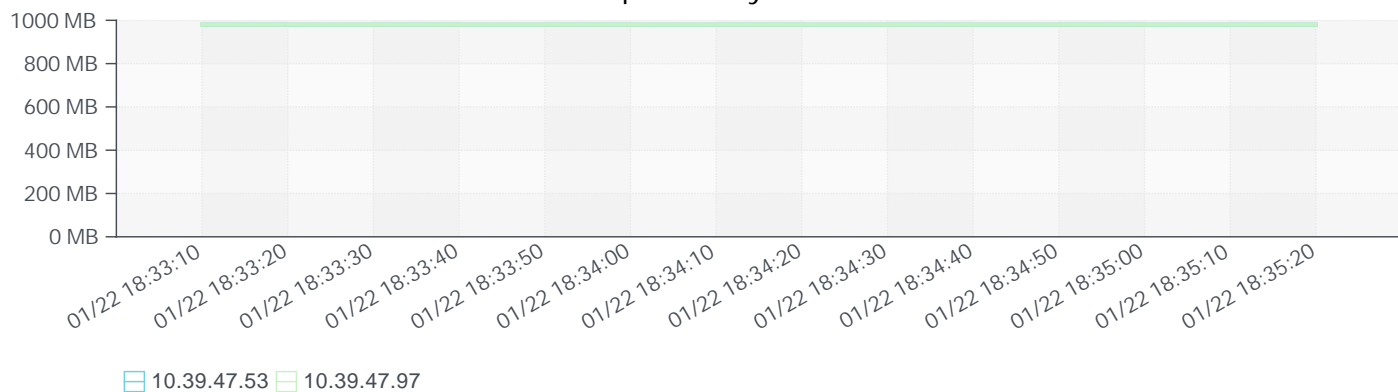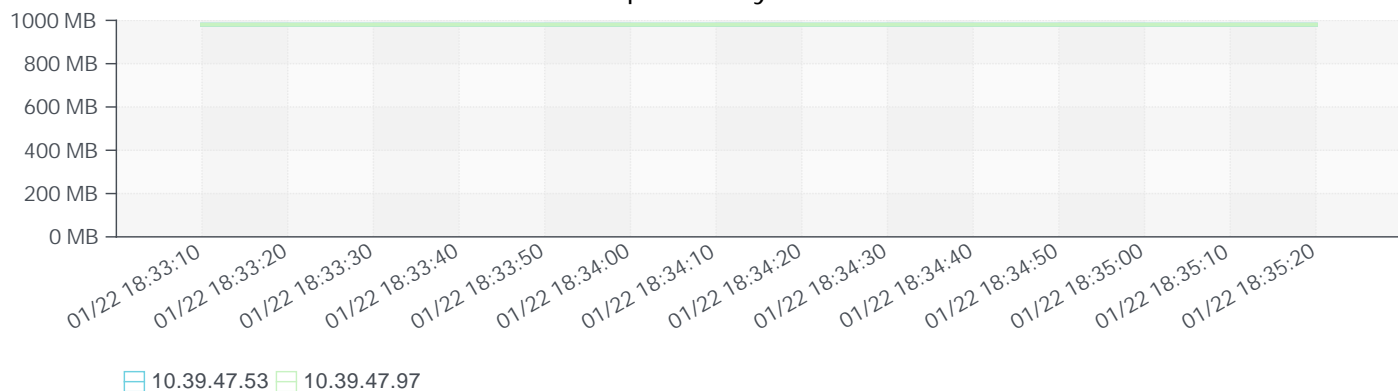
☐ 10.39.47.53 ☐ 10.39.47.97
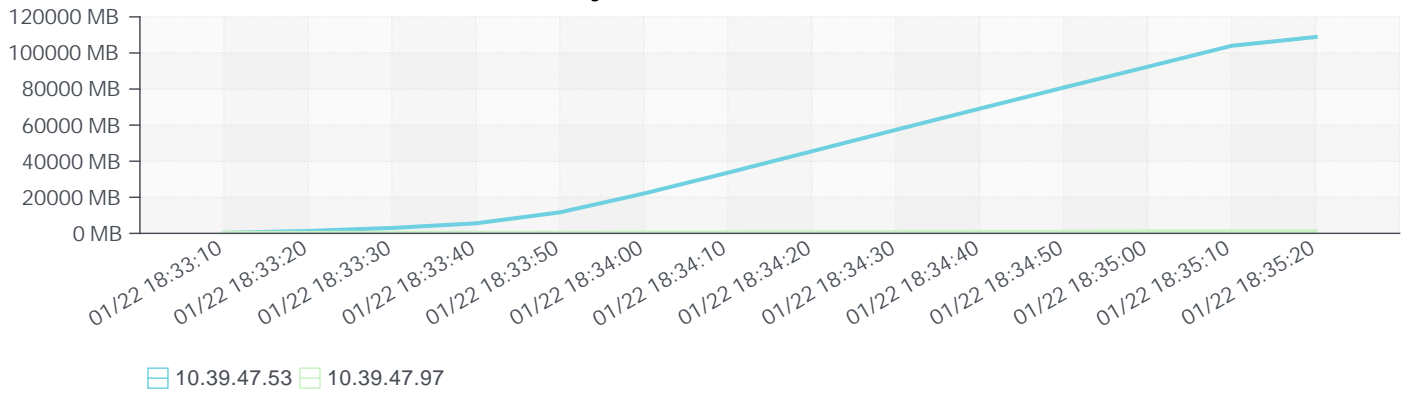
Bytes Received
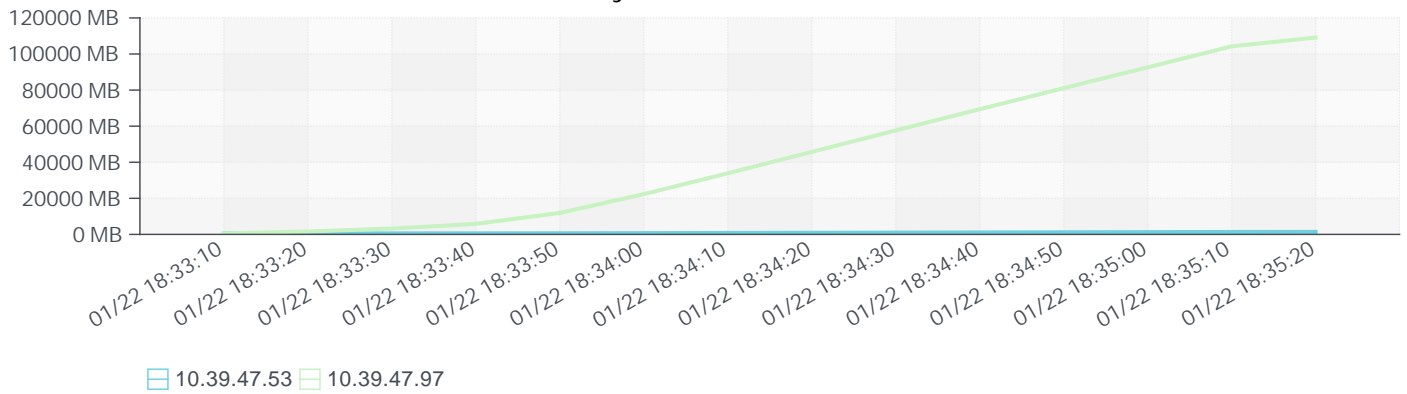
☐ 10.39.47.53 ☐ 10.39.47.97

CPU Statistics

Agent	CPU Usage	Max CPU Core Usage
10.39.47.97	35.27 %	35.98 %
10.39.47.53	29.56 %	34.95 %

Memory Statistics

Agent	Memory Available	Memory Total
10.39.47.97	2160.72 MB	3919.48 MB
10.39.47.53	2146.84 MB	3919.48 MB

Http

Client Application Statistics

Action	Started	Succeeded	Failed	Skipped
HTTP GET	107719	107719	0	0

Server Application Statistics

Action	Succeeded	Failed
HTTP GET	107719	0