KEYSIGHT
TECHNOLOGIES

CyPerf Test Report

Test 5.3.3: Small packet UDP transactions

Start Time: 02/01 00:00:38
Duration: 0 day(s) 0:3:52
CyPerf  Version: 2.6.11767

# Table of Contents

Please check the Bookmarks for subsections.

# Test Parameters

## Application Profile

### App Mix

| | Name | | Weight | |
|---|---|---|---|---|
| 1. | UDP-64 | | 10 | 100 % |

| | Name | Network Endpoint | Network Tags |
|---|---|---|---|
| 1. | UDP-64 | UDP Client | Client |
| | | UDP Server | Server |

### Objectives & Timeline

#### Primary Objective

| Objective Type | Max Simulated Users Per Second | Max Pending Simulated Users |
|---|---|---|
| Simulated users | 1000 | 100% |

#### Primary Objective Timeline

| Steady segment | 70000  for 180 seconds |
|---|---|

#### Secondary Objective

#### Advanced Settings

| Warm Up Period | Optimization Mode | Connections Graceful Stop Timeout |
|---|---|---|
| 0 | Rate mode | 15 |

## Client-01

### IP Range 1

| Automatic IP | Automatic IP Prefix Length | Automatic Gateway | Automatic MSS |
|---|---|---|---|
| false | false | false | false |

| IP Start | IP Increment | Count | Max Count Per Agent |
|---|---|---|---|
| 10.1.1.10 | 0.0.0.1 | 100 | 100 |

| IP Prefix Length |
|---|
| 24 |

| Gateway Start |
|---|
| 10.1.1.254 |

| MSS (bytes) |
|---|
| 1460 |

### Network Properties

| Network Tags | Client |
|---|---|
| Minimum Agents | 1 |

### Assigned agents

| By IP Address | 192.168.10.201 |
|---|---|
| By Agent Tag | |

# 🖥 Client-02

## 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 |
|---|---|---|---|---|
| 10.2.1.10 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

## Network Properties

| Network Tags | Client |
|---|---|
| Minimum Agents | 1 |

## Assigned agents

| By IP Address | 192.168.10.203 |
|---|---|
| By Agent Tag | |

# 🖥 Client-03

## 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 |
|---|---|---|---|---|
| 10.3.1.10 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

## Network Properties

| Network Tags | Client |
|---|---|
| Minimum Agents | 1 |

## Assigned agents

| By IP Address | 192.168.10.205 |
|---|---|
| By Agent Tag | |

# 🖥 Client-04

## 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 |
|---|---|---|---|---|
| 10.4.1.10 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

## Network Properties

| Network Tags | Client |
|---|---|
| Minimum Agents | 1 |

## Assigned agents

| By IP Address | 192.168.10.207 |
|---|---|
| By Agent Tag | |

# 🖥 Client-05

## 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 |
|---|---|---|---|---|
| 10.5.1.10 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

## Network Properties

| Network Tags | Client |
|---|---|
| Minimum Agents | 1 |

## Assigned agents

| By IP Address | 192.168.10.209 |
|---|---|
| By Agent Tag | |

# 🖥 Client-06

## 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 |
|---|---|---|---|---|
| 10.6.1.10 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

## Network Properties

| Network Tags | Client |
|---|---|
| Minimum Agents | 1 |

## Assigned agents

| By IP Address | 192.168.10.211 |
|---|---|
| By Agent Tag | |

# 🖥 Client-07

## 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 |
|---|---|---|---|---|
| 10.7.1.10 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

## Network Properties

| Network Tags | Client |
|---|---|
| Minimum Agents | 1 |

## Assigned agents

| By IP Address | 192.168.10.213 |
|---|---|
| By Agent Tag | |

## 🖥️ Client-08

### 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 |
|---|---|---|---|---|
| 10.8.1.10 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

### Network Properties

| Network Tags | Client |
|---|---|
| Minimum Agents | 1 |

### Assigned agents

| By IP Address | 192.168.10.215 |
|---|---|
| By Agent Tag | |

## 🖥️ Server-01

### IP Range 1

| Automatic IP | Automatic IP Prefix Length | Automatic Gateway | Automatic MSS |
|---|---|---|---|
| false | false | false | false |

| IP Start | | IP Increment | Count | Max Count Per Agent |
|---|---|---|---|---|
| 10.1.1.111 | | 0.0.0.1 | 100 | 100 |

| IP Prefix Length |
|---|
| 24 |

| Gateway Start |
|---|
| 10.1.1.254 |

| MSS (bytes) |
|---|
| 1460 |

### Network Properties

| Network Tags | Server |
|---|---|
| Minimum Agents | 1 |

### Assigned agents

| By IP Address | 192.168.10.202 |
|---|---|
| By Agent Tag | |

## 🖥 Server-02

### 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 |
|---|---|---|---|---|
| 10.2.1.111 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

### Network Properties

| Network Tags | Server |
|---|---|
| Minimum Agents | 1 |

### Assigned agents

| By IP Address | 192.168.10.204 |
|---|---|
| By Agent Tag | |

## 🖥 Server-03

### 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 |
|---|---|---|---|---|
| 10.3.1.111 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

### Network Properties

| Network Tags | Server |
|---|---|
| Minimum Agents | 1 |

### Assigned agents

| By IP Address | 192.168.10.206 |
|---|---|
| By Agent Tag | |

# 🖥 Server-04

## 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 |
|---|---|---|---|---|
| 10.4.1.111 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

## Network Properties

| Network Tags | Server |
|---|---|
| Minimum Agents | 1 |

## Assigned agents

| By IP Address | 192.168.10.208 |
|---|---|
| By Agent Tag | |

# 🖥 Server-05

## 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 |
|---|---|---|---|---|
| 10.5.1.111 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

## Network Properties

| Network Tags | Server |
|---|---|
| Minimum Agents | 1 |

## Assigned agents

| By IP Address | 192.168.10.210 |
|---|---|
| By Agent Tag | |

# 🖥️ Server-06

## 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 |
|---|---|---|---|---|
| 10.6.1.111 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

## Network Properties

| Network Tags | Server |
|---|---|
| Minimum Agents | 1 |

## Assigned agents

| By IP Address | 192.168.10.212 |
|---|---|
| By Agent Tag | |

# 🖥️ Server-07

## 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 |
|---|---|---|---|---|
| 10.7.1.111 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |

## Network Properties

| Network Tags | Server |
|---|---|
| Minimum Agents | 1 |

## Assigned agents

| By IP Address | 192.168.10.214 |
|---|---|
| By Agent Tag | |

# Server-08

## 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 |
|---|---|---|---|---|
| 10.8.1.111 | | 0.0.0.1 | 100 | 100 |

| MSS (bytes) |
|---|
| 1460 |
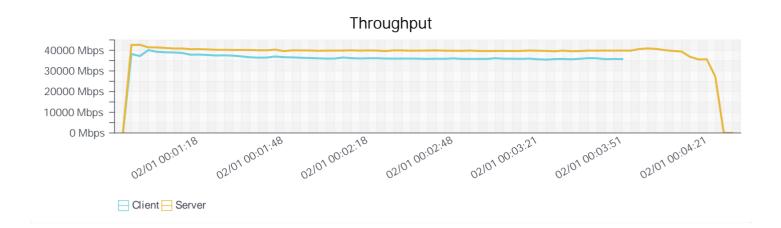
## Network Properties

| Network Tags | Server |
|---|---|
| Minimum Agents | 1 |

## Assigned agents
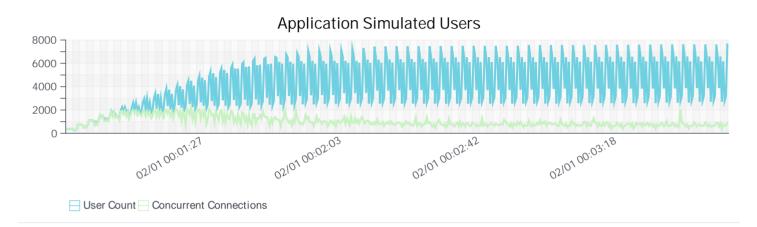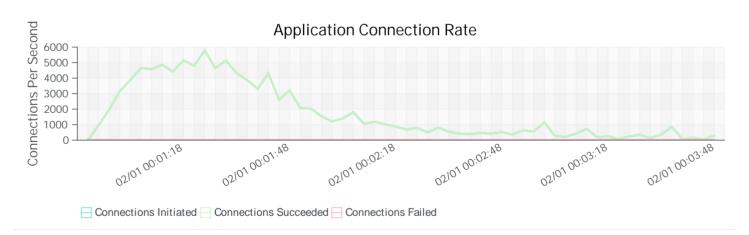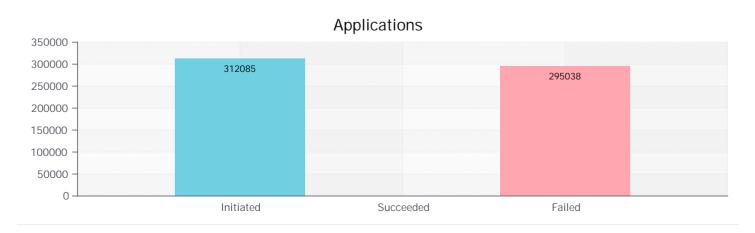
| By IP Address | 192.168.10.216 |
|---|---|
| By Agent Tag | |

# Summary

## Throughput



Legend: Client, Server

## Application Simulated Users



Legend: User Count, Concurrent Connections

## Application Connection Rate



Legend: Connections Initiated, Connections Succeeded, Connections Failed

## Applications



| Initiated | Succeeded | Failed |
|-----------|-----------|--------|
| 312085 | | 295038 |

## Application Traffic Distribution

100%

■ UDP-64 - 100%

## Simulated Users Distribution

100%

■ UDP-64 - 100%

## Instantaneous Latency



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

## Active Agents



□ Client □ Server

# Streaming Statistics

## Client Streaming Throughput



Y-axis: Mbps per second (0, 10000, 20000, 30000)
X-axis: 02/01 00:01:18, 02/01 00:01:48, 02/01 00:02:18, 02/01 00:02:48, 02/01 00:03:18, 02/01 00:03:48

Legend: Sent, Received

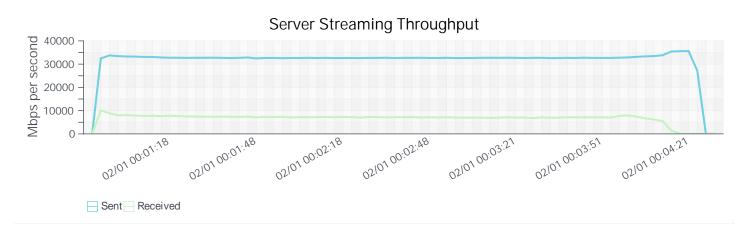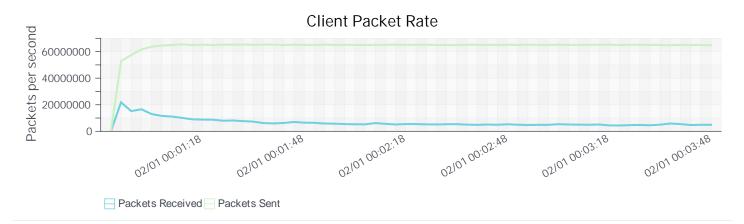## Server Streaming Throughput



Y-axis: Mbps per second (0, 10000, 20000, 30000, 40000)
X-axis: 02/01 00:01:18, 02/01 00:01:48, 02/01 00:02:18, 02/01 00:02:48, 02/01 00:03:21, 02/01 00:03:51, 02/01 00:04:21

Legend: Sent, Received

## Client Packet Rate



Y-axis: Packets per second (0, 20000000, 40000000, 60000000)
X-axis: 02/01 00:01:18, 02/01 00:01:48, 02/01 00:02:18, 02/01 00:02:48, 02/01 00:03:18, 02/01 00:03:48

Legend: Packets Received, Packets Sent

## Server Packet Rate



Packets Received  Packets Sent

## Interarrival Jitter Average



Interarrival Jitter Average

## Delay Variation Jitter Average



Delay Variation Jitter Average

## Round Trip Time



## Delay Variation Jitter Distribution



| Delay variation | No. of RTP packets |
|---|---|
| 1ms | 2800082015 |
| 3ms | 59 |
| 5ms | |
| 10ms | |
| 20ms | |
| 40ms | |
| >40ms | |

## Packet Loss Distribution



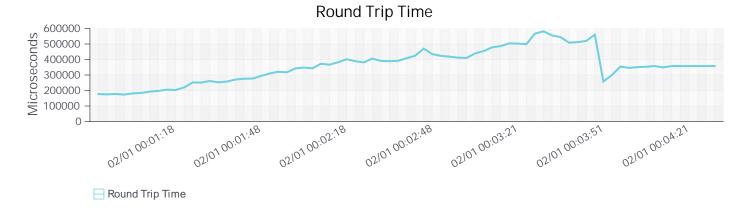| Size of consecutive sequences of packets lost | No. of sequences |
|---|---|
| 1 | 51052367 |
| 2 or 3 | 111351010 |
| 4 or 5 | 111482249 |
| 6 to 10 | 118883967 |
| 11 or more | 103975557 |

Streaming Client Packet Counters
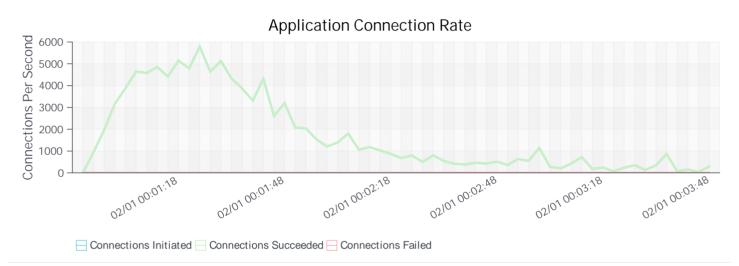
| Profile - Network Segment | Application | Received Packets | Sent Packets | Received Bytes | Sent Bytes | Lost Packets | Late Packets | Duplicate Packets | Misordered Packets | Error Packets |
|---|---|---|---|---|---|---|---|---|---|---|
| App Client Application Profile-Client-08 | UDP-64 | 121582179 | 1342285089 | 7781259456 | 85906245696 | 1222507165 | 0 | 276 | 0 | 0 |
| App Client Application Profile-Client-07 | UDP-64 | 191998640 | 1553388618 | 12287912960 | 99416871552 | 73581768253 | 0 | 12102 | 0 | 0 |
| App Client Application Profile-Client-06 | UDP-64 | 203968431 | 1433146625 | 13053979584 | 91721384000 | 5485180317 | 0 | 1822 | 0 | 0 |
| App Client Application Profile-Client-05 | UDP-64 | 126366777 | 1484188697 | 8087473728 | 94988076608 | 64990762051 | 0 | 18425 | 0 | 0 |
| App Client Application Profile-Client-04 | UDP-64 | 151621872 | 1366390994 | 9703799808 | 87449023616 | 5412843652 | 0 | 1656 | 0 | 0 |
| App Client Application Profile-Client-03 | UDP-64 | 128867528 | 1483920123 | 8247521792 | 94970887872 | 95104891624 | 0 | 5716 | 0 | 0 |
| App Client Application Profile-Client-02 | UDP-64 | 146145604 | 1528928207 | 9353318656 | 97851405248 | 77817702651 | 0 | 5177 | 0 | 0 |
| App Client Application Profile-Client-01 | UDP-64 | 179279901 | 1376327839 | 11473913664 | 88084981696 | 1219963658 | 0 | 471 | 0 | 0 |
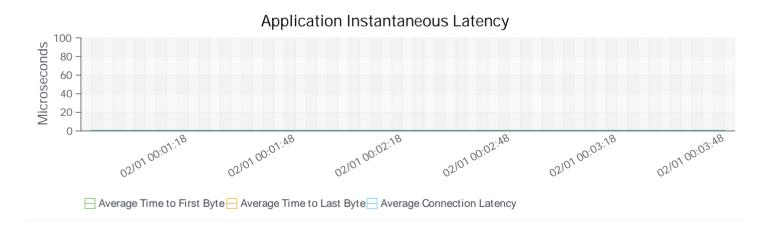
Streaming Server Packet Counters
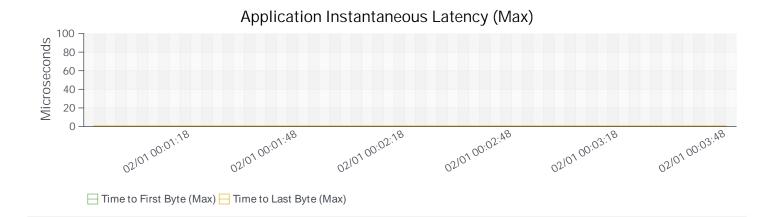
| Protocol | Received Packets | Sent Packets | Received Bytes | Sent Bytes | Lost Packets | Late Packets | Duplicate Packets | Misordered Packets | Error Packets |
|---|---|---|---|---|---|---|---|---|---|
| Stateless UDP | 2921386884 | 13788432635 | 186968760576 | 882459688640 | 9994243200 | 0 | 0 | 0 | 0 |

# Client Application Profile

## Application Simulated Users



Legend: User Count, Concurrent Connections

## Application Connection Rate



Connections Per Second

Legend: Connections Initiated, Connections Succeeded, Connections Failed

## Application Instantaneous Latency



Microseconds

Legend: 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)

# Client Application Statistics

| Profile | Application | Bytes sent | Bytes received |
|---|---|---|---|
| App Client Application Profile-Client-08 | UDP-64 | 85907340439 | 7781273484 |
| App Client Application Profile-Client-07 | UDP-64 | 99417718838 | 12287923326 |
| App Client Application Profile-Client-06 | UDP-64 | 91722392859 | 13053993133 |
| App Client Application Profile-Client-05 | UDP-64 | 94989282332 | 8087480421 |
| App Client Application Profile-Client-04 | UDP-64 | 87450157081 | 9703811210 |
| App Client Application Profile-Client-03 | UDP-64 | 94972072987 | 8247533483 |
| App Client Application Profile-Client-02 | UDP-64 | 97852478249 | 9353330529 |
| App Client Application Profile-Client-01 | UDP-64 | 88086073539 | 11473928564 |

| Profile | Application | Connections Initiated | Connections Succeeded | Connections Failed | Connections Aborted |
|---|---|---|---|---|---|
| App Client Application Profile-Client-08 | UDP-64 | 47537 | 47537 | 0 | 0 |
| App Client Application Profile-Client-07 | UDP-64 | 32176 | 32176 | 0 | 0 |
| App Client Application Profile-Client-06 | UDP-64 | 44702 | 44702 | 0 | 0 |
| App Client Application Profile-Client-05 | UDP-64 | 27631 | 27631 | 0 | 0 |
| App Client Application Profile-Client-04 | UDP-64 | 49591 | 49591 | 0 | 0 |
| App Client Application Profile-Client-03 | UDP-64 | 29583 | 29583 | 0 | 0 |
| App Client Application Profile-Client-02 | UDP-64 | 29760 | 29760 | 0 | 0 |
| App Client Application Profile-Client-01 | UDP-64 | 51105 | 51105 | 0 | 0 |

| Profile | Application | Applications Initiated | Applications Succeeded | Applications Failed | Actions Timed Out |
|---|---|---|---|---|---|
| App Client Application Profile-Client-08 | UDP-64 | 47537 | 0 | 45598 | 0 |
| App Client Application Profile-Client-07 | UDP-64 | 32176 | 0 | 29713 | 0 |
| App Client Application Profile-Client-06 | UDP-64 | 44702 | 0 | 42680 | 0 |
| App Client Application Profile-Client-05 | UDP-64 | 27631 | 0 | 25614 | 0 |
| App Client Application Profile-Client-04 | UDP-64 | 49591 | 0 | 47700 | 0 |
| App Client Application Profile-Client-03 | UDP-64 | 29583 | 0 | 27270 | 0 |
| App Client Application Profile-Client-02 | UDP-64 | 29760 | 0 | 27209 | 0 |
| App Client Application Profile-Client-01 | UDP-64 | 51105 | 0 | 49254 | 0 |

# Server Statistics

## Application & Attack Statistics

| Application & Attack | Bytes sent | Bytes received | Connections received | Strikes Allowed | Strikes Initiated |
|---|---|---|---|---|---|
| Stateless UDP | 882460806217 | 187186408243 | 58647 | 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-Client-08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-07 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Profile | FIN Sent | FIN Received | FIN-ACK Sent | FIN-ACK Received | RST Sent | RST Received |
|---|---|---|---|---|---|---|
| App Client Application Profile-Client-08 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-07 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-06 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-05 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-04 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-03 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-02 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-01 | 0 | 0 | 0 | 0 | 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-Client-08 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-07 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-06 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-05 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-04 | 0 | 0 | 0 | 0 | 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-Client-03 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-02 | 0 | 0 | 0 | 0 | 0 | 0 |
| App Client Application Profile-Client-01 | 0 | 0 | 0 | 0 | 0 | 0 |

## Server TCP Statistics

| Port | SYN ACK Sent | SYN Received | SYN ACK Failed | Connections Established | Connection Initiation Failed |
|---|---|---|---|---|---|
| 8000 | 0 | 0 | 0 | 0 | 0 |

| Port | FIN ACK Sent | FIN Received | FIN Sent | FIN ACK Received | RST Sent | RST Received |
|---|---|---|---|---|---|---|
| 8000 | 0 | 0 | 0 | 0 | 0 | 0 |
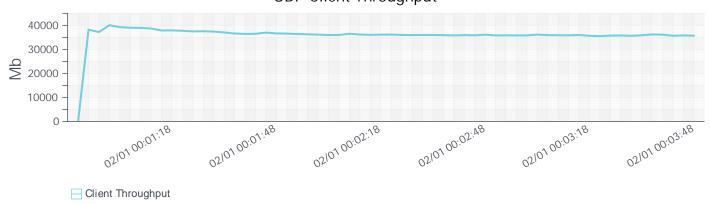
## Server TCP Retransmissions Statistics
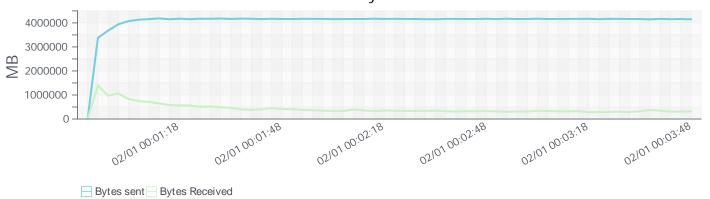
| Port | SYN ACK Retransmitted | SYN ACK Retransmissions Aborted | Data Retransmitted | Data Retransmissions Aborted |
|---|---|---|---|---|
| 8000 | 0 | 0 | 0 | 0 |

# UDP Statistics

## UDP Client Throughput



Client Throughput

## UDP Client Byte Rate



Bytes sent  Bytes Received
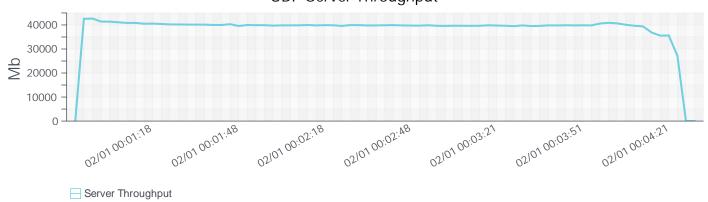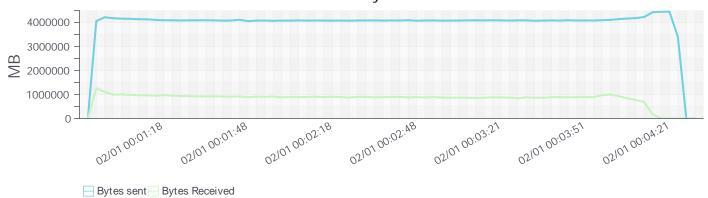
## Client UDP Statistics

| Profile | Application | Bytes Sent | Bytes Received |
|---------|-------------|------------|----------------|
| App Client Application Profile-Client-08 | UDP-64 | 85907340439 | 7781273484 |
| App Client Application Profile-Client-07 | UDP-64 | 99417718838 | 12287923326 |
| App Client Application Profile-Client-06 | UDP-64 | 91722392859 | 13053993133 |
| App Client Application Profile-Client-05 | UDP-64 | 94989282332 | 8087480421 |
| App Client Application Profile-Client-04 | UDP-64 | 87450157081 | 9703811210 |
| App Client Application Profile-Client-03 | UDP-64 | 94972072987 | 8247533483 |
| App Client Application Profile-Client-02 | UDP-64 | 97852478249 | 9353330529 |
| App Client Application Profile-Client-01 | UDP-64 | 88086073539 | 11473928564 |

## UDP Server Throughput



Server Throughput

## UDP Server Byte Rate



Bytes sent | Bytes Received

## Server UDP Statistics

| Application & Attack | Bytes Sent | Bytes Received |
|---|---|---|
| Stateless UDP | 882460806217 | 187186408243 |

# Agent Traffic Statistics

## TX Throughput



- 192.168.10.213
- 192.168.10.214
- 192.168.10.215
- 192.168.10.216
- 192.168.10.207
- 192.168.10.208
- 192.168.10.209
- 192.168.10.210
- 192.168.10.211
- 192.168.10.212
- 192.168.10.201
- 192.168.10.202
- 192.168.10.203
- 192.168.10.204
- 192.168.10.205
- 192.168.10.206

## RX Throughput



- 192.168.10.213
- 192.168.10.214
- 192.168.10.215
- 192.168.10.216
- 192.168.10.207
- 192.168.10.208
- 192.168.10.209
- 192.168.10.210
- 192.168.10.211
- 192.168.10.212
- 192.168.10.201
- 192.168.10.202
- 192.168.10.203
- 192.168.10.204
- 192.168.10.205
- 192.168.10.206

## L23 TX Throughput



- 192.168.10.213
- 192.168.10.214
- 192.168.10.215
- 192.168.10.216
- 192.168.10.207
- 192.168.10.208
- 192.168.10.209
- 192.168.10.210
- 192.168.10.211
- 192.168.10.212
- 192.168.10.201
- 192.168.10.202
- 192.168.10.203
- 192.168.10.204
- 192.168.10.205
- 192.168.10.206

## L23 RX Throughput



- 192.168.10.213
- 192.168.10.214
- 192.168.10.215
- 192.168.10.216
- 192.168.10.207
- 192.168.10.208
- 192.168.10.209
- 192.168.10.210
- 192.168.10.211
- 192.168.10.212
- 192.168.10.201
- 192.168.10.202
- 192.168.10.203
- 192.168.10.204
- 192.168.10.205
- 192.168.10.206

# L23 Packets Sent Per Second



192.168.10.213   192.168.10.214   192.168.10.215   192.168.10.216
192.168.10.207   192.168.10.208   192.168.10.209   192.168.10.210   192.168.10.211   192.168.10.212
192.168.10.201   192.168.10.202   192.168.10.203   192.168.10.204   192.168.10.205   192.168.10.206

# L23 Packets Received Per Second



192.168.10.213   192.168.10.214   192.168.10.215   192.168.10.216
192.168.10.207   192.168.10.208   192.168.10.209   192.168.10.210   192.168.10.211   192.168.10.212
192.168.10.201   192.168.10.202   192.168.10.203   192.168.10.204   192.168.10.205   192.168.10.206

# L23 Average Packets Sent Size



192.168.10.213   192.168.10.214   192.168.10.215   192.168.10.216
192.168.10.207   192.168.10.208   192.168.10.209   192.168.10.210   192.168.10.211   192.168.10.212
192.168.10.201   192.168.10.202   192.168.10.203   192.168.10.204   192.168.10.205   192.168.10.206

# L23 Average Packets Received Size



192.168.10.216
192.168.10.211   192.168.10.212   192.168.10.213   192.168.10.214   192.168.10.215
192.168.10.206   192.168.10.207   192.168.10.208   192.168.10.209   192.168.10.210
192.168.10.201   192.168.10.202   192.168.10.203   192.168.10.204   192.168.10.205

## Traffic Statistics

| Agent | Bytes Sent | Bytes Received | Connections Initiated | Connections Received | Connections Succeeded |
|---|---|---|---|---|---|
| 192.168.10.215 | 85907340439 | 7781273484 | 47537 | 0 | 47537 |
| 192.168.10.213 | 99417718838 | 12287923326 | 32176 | 0 | 32176 |
| 192.168.10.211 | 91722392859 | 13053993133 | 44702 | 0 | 44702 |
| 192.168.10.209 | 94989282332 | 8087480421 | 27631 | 0 | 27631 |
| 192.168.10.207 | 87450157081 | 9703811210 | 49591 | 0 | 49591 |
| 192.168.10.205 | 94972072987 | 8247533483 | 29583 | 0 | 29583 |
| 192.168.10.203 | 97852478249 | 9353330529 | 29760 | 0 | 29760 |
| 192.168.10.201 | 88086073539 | 11473928564 | 51105 | 0 | 51105 |
| 192.168.10.216 | 112998176977 | 26133810837 | 0 | 8254 | 0 |
| 192.168.10.214 | 108072096362 | 20422426632 | 0 | 6682 | 0 |
| 192.168.10.212 | 113587446719 | 27226719560 | 0 | 7248 | 0 |
| 192.168.10.210 | 103772042215 | 13926425662 | 0 | 5775 | 0 |
| 192.168.10.208 | 108773396396 | 20039227097 | 0 | 7118 | 0 |
| 192.168.10.206 | 113046049470 | 27526051642 | 0 | 8593 | 0 |
| 192.168.10.204 | 111241685949 | 27199541477 | 0 | 7606 | 0 |
| 192.168.10.202 | 110969912129 | 24712205336 | 0 | 7371 | 0 |

## Client Application Statistics

| Agent | Profile - Network Segment | Applications Initiated | Applications Succeeded | Applications Failed |
|---|---|---|---|---|
| 192.168.10.215 | App Client Application Profile-Client-08 | 47537 | 0 | 45598 |
| 192.168.10.213 | App Client Application Profile-Client-07 | 32176 | 0 | 29713 |
| 192.168.10.211 | App Client Application Profile-Client-06 | 44702 | 0 | 42680 |
| 192.168.10.209 | App Client Application Profile-Client-05 | 27631 | 0 | 25614 |
| 192.168.10.207 | App Client Application Profile-Client-04 | 49591 | 0 | 47700 |
| 192.168.10.205 | App Client Application Profile-Client-03 | 29583 | 0 | 27270 |
| 192.168.10.203 | App Client Application Profile-Client-02 | 29760 | 0 | 27209 |
| 192.168.10.201 | App Client Application Profile-Client-01 | 51105 | 0 | 49254 |

## L23 Statistics

| Agent | Interface | Bytes Sent | Bytes Received | Packets Sent | Packets Received |
|---|---|---|---|---|---|
| 192.168.10.215 | ens192 | 147655652506 | 14708332132 | 1342351845 | 133712618 |
| 192.168.10.213 | ens192 | 170877892846 | 35834227237 | 1553463079 | 325766031 |
| 192.168.10.211 | ens192 | 157650691382 | 24697710623 | 1433213687 | 224525123 |
| 192.168.10.209 | ens192 | 163266809720 | 33032167944 | 1484273079 | 300292658 |
| 192.168.10.207 | ens192 | 150307481184 | 18851841005 | 1366460408 | 171380803 |
| 192.168.10.205 | ens192 | 163236591244 | 29485759077 | 1483998619 | 268052730 |
| 192.168.10.203 | ens192 | 168186978092 | 33260272563 | 1529000052 | 302366491 |
| 192.168.10.201 | ens192 | 151400519282 | 20676855982 | 1376395536 | 187971915 |
| 192.168.10.216 | ens192 | 194216084966 | 44917939348 | 1765605671 | 408349799 |
| 192.168.10.214 | ens192 | 185749247476 | 35101383596 | 1688633085 | 319107062 |
| 192.168.10.212 | ens192 | 195228803740 | 46796302973 | 1774811338 | 425424995 |

## L23 Statistics

| Agent | Interface | Bytes Sent | Bytes Received | Packets Sent | Packets Received |
|---|---|---|---|---|---|
| 192.168.10.210 | ens192 | 178358459412 | 23936314842 | 1621443431 | 217605766 |
| 192.168.10.208 | ens192 | 186954659322 | 34442798611 | 1699591878 | 313120415 |
| 192.168.10.206 | ens192 | 194298341310 | 47310843848 | 1766353310 | 430103361 |
| 192.168.10.204 | ens192 | 191197024128 | 46749593877 | 1738158822 | 425000390 |
| 192.168.10.202 | ens192 | 190729921368 | 42474483898 | 1733912473 | 386135782 |
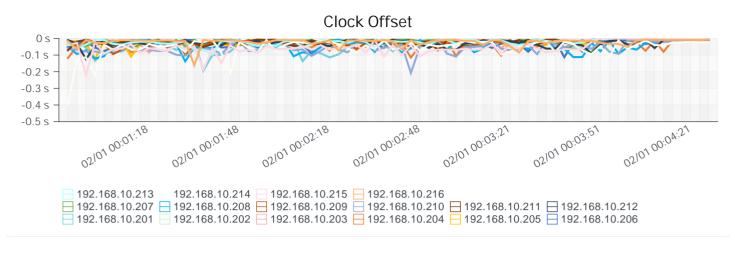
## ARP Statistics
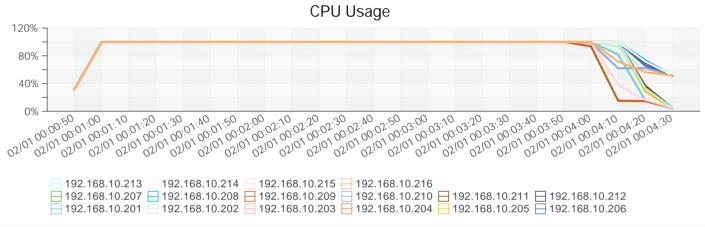
| Agent | Interface | ARP Requests   Sent | ARP Requests Received | ARP Response Sent | ARP Response Received |
|---|---|---|---|---|---|
| 192.168.10.215 | ens192 | 824 | 0 | 0 | 100 |
| 192.168.10.213 | ens192 | 600 | 0 | 0 | 100 |
| 192.168.10.211 | ens192 | 705 | 0 | 0 | 100 |
| 192.168.10.209 | ens192 | 1075 | 0 | 0 | 100 |
| 192.168.10.207 | ens192 | 680 | 0 | 0 | 100 |
| 192.168.10.205 | ens192 | 1100 | 0 | 0 | 100 |
| 192.168.10.203 | ens192 | 965 | 0 | 0 | 100 |
| 192.168.10.201 | ens192 | 726 | 0 | 0 | 100 |
| 192.168.10.216 | ens192 | 0 | 113 | 113 | 0 |
| 192.168.10.214 | ens192 | 0 | 239 | 239 | 0 |
| 192.168.10.212 | ens192 | 0 | 141 | 141 | 0 |
| 192.168.10.210 | ens192 | 0 | 163 | 163 | 0 |
| 192.168.10.208 | ens192 | 0 | 119 | 119 | 0 |
| 192.168.10.206 | ens192 | 0 | 124 | 124 | 0 |
| 192.168.10.204 | ens192 | 0 | 177 | 177 | 0 |
| 192.168.10.202 | ens192 | 0 | 123 | 123 | 0 |
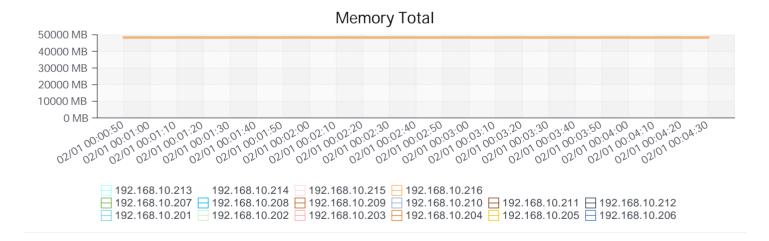
## Client DNS Statistics

| Agent | Query Sent | Query Refused | Query Aborted | Query Timed Out | Name Resolved | Server Failure | Served From Cache |
|---|---|---|---|---|---|---|---|
| 192.168.10.215 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.213 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.211 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.209 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.207 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.205 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.201 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.216 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.214 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.212 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.208 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.206 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.204 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192.168.10.202 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
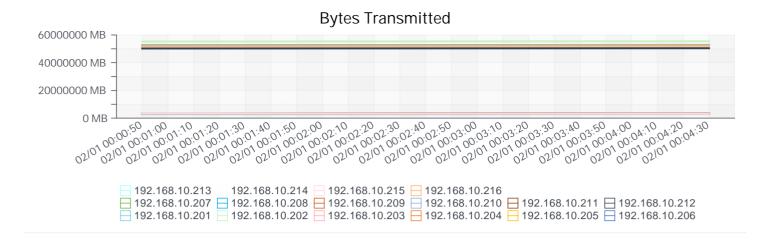
# Agent Resource Metrics

## Clock Offset



192.168.10.213    192.168.10.214    192.168.10.215    192.168.10.216
192.168.10.207    192.168.10.208    192.168.10.209    192.168.10.210    192.168.10.211    192.168.10.212
192.168.10.201    192.168.10.202    192.168.10.203    192.168.10.204    192.168.10.205    192.168.10.206

## CPU Usage



192.168.10.213    192.168.10.214    192.168.10.215    192.168.10.216
192.168.10.207    192.168.10.208    192.168.10.209    192.168.10.210    192.168.10.211    192.168.10.212
192.168.10.201    192.168.10.202    192.168.10.203    192.168.10.204    192.168.10.205    192.168.10.206

## Memory Total



192.168.10.213    192.168.10.214    192.168.10.215    192.168.10.216
192.168.10.207    192.168.10.208    192.168.10.209    192.168.10.210    192.168.10.211    192.168.10.212
192.168.10.201    192.168.10.202    192.168.10.203    192.168.10.204    192.168.10.205    192.168.10.206

## Memory Used



192.168.10.213   192.168.10.214   192.168.10.215   192.168.10.216
192.168.10.207   192.168.10.208   192.168.10.209   192.168.10.210   192.168.10.211   192.168.10.212
192.168.10.201   192.168.10.202   192.168.10.203   192.168.10.204   192.168.10.205   192.168.10.206

## Memory Available



192.168.10.213   192.168.10.214   192.168.10.215   192.168.10.216
192.168.10.207   192.168.10.208   192.168.10.209   192.168.10.210   192.168.10.211   192.168.10.212
192.168.10.201   192.168.10.202   192.168.10.203   192.168.10.204   192.168.10.205   192.168.10.206

## Swap Memory Total



192.168.10.213   192.168.10.214   192.168.10.215   192.168.10.216
192.168.10.207   192.168.10.208   192.168.10.209   192.168.10.210   192.168.10.211   192.168.10.212
192.168.10.201   192.168.10.202   192.168.10.203   192.168.10.204   192.168.10.205   192.168.10.206

## Swap Memory Free



192.168.10.213   192.168.10.214   192.168.10.215   192.168.10.216
192.168.10.207   192.168.10.208   192.168.10.209   192.168.10.210   192.168.10.211   192.168.10.212
192.168.10.201   192.168.10.202   192.168.10.203   192.168.10.204   192.168.10.205   192.168.10.206

## Bytes Transmitted

## Bytes Received

### CPU Statistics

| Agent | CPU Usage | Max CPU Core Usage |
|---|---|---|
| 192.168.10.216 | 51.61 % | 100 % |
| 192.168.10.215 | 4.79 % | 11.11 % |
| 192.168.10.214 | 51.81 % | 100 % |
| 192.168.10.213 | 4.61 % | 10.14 % |
| 192.168.10.212 | 51.13 % | 100 % |
| 192.168.10.211 | 4.61 % | 10.9 % |
| 192.168.10.210 | 52.05 % | 100 % |
| 192.168.10.209 | 4.31 % | 9.95 % |
| 192.168.10.208 | 51.62 % | 100 % |
| 192.168.10.207 | 4.72 % | 10.31 % |
| 192.168.10.206 | 51.56 % | 100 % |
| 192.168.10.205 | 4.19 % | 9.83 % |
| 192.168.10.204 | 51.33 % | 100 % |
| 192.168.10.203 | 4.49 % | 10.09 % |
| 192.168.10.202 | 51.56 % | 100 % |
| 192.168.10.201 | 4.72 % | 10.82 % |

# Memory Statistics

| Agent | Memory Available | Memory Total |
| --- | --- | --- |
| 192.168.10.216 | 44565.66 MB | 48272.2 MB |
| 192.168.10.215 | 47358.51 MB | 48272.2 MB |
| 192.168.10.214 | 44572.67 MB | 48272.2 MB |
| 192.168.10.213 | 47368.61 MB | 48272.2 MB |
| 192.168.10.212 | 44578 MB | 48272.2 MB |
| 192.168.10.211 | 47355.85 MB | 48272.2 MB |
| 192.168.10.210 | 44587.07 MB | 48272.2 MB |
| 192.168.10.209 | 47368.27 MB | 48272.2 MB |
| 192.168.10.208 | 44575.76 MB | 48272.2 MB |
| 192.168.10.207 | 47365.61 MB | 48272.2 MB |
| 192.168.10.206 | 44646.93 MB | 48272.2 MB |
| 192.168.10.205 | 47363.69 MB | 48272.2 MB |
| 192.168.10.204 | 44651.88 MB | 48272.2 MB |
| 192.168.10.203 | 47361.38 MB | 48272.2 MB |
| 192.168.10.202 | 44577.32 MB | 48272.2 MB |
| 192.168.10.201 | 47361.84 MB | 48272.2 MB |