

How to Test Bandwidth with iPerf

NetBeez Webinar





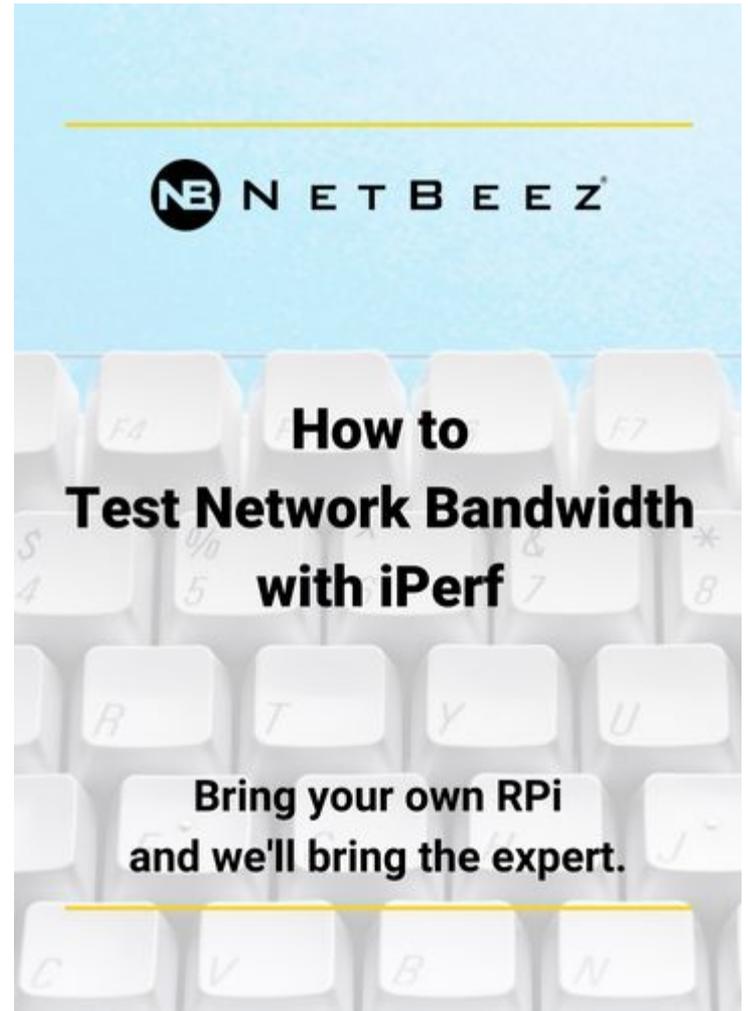
Panos Vouzis

Co-founder and COO



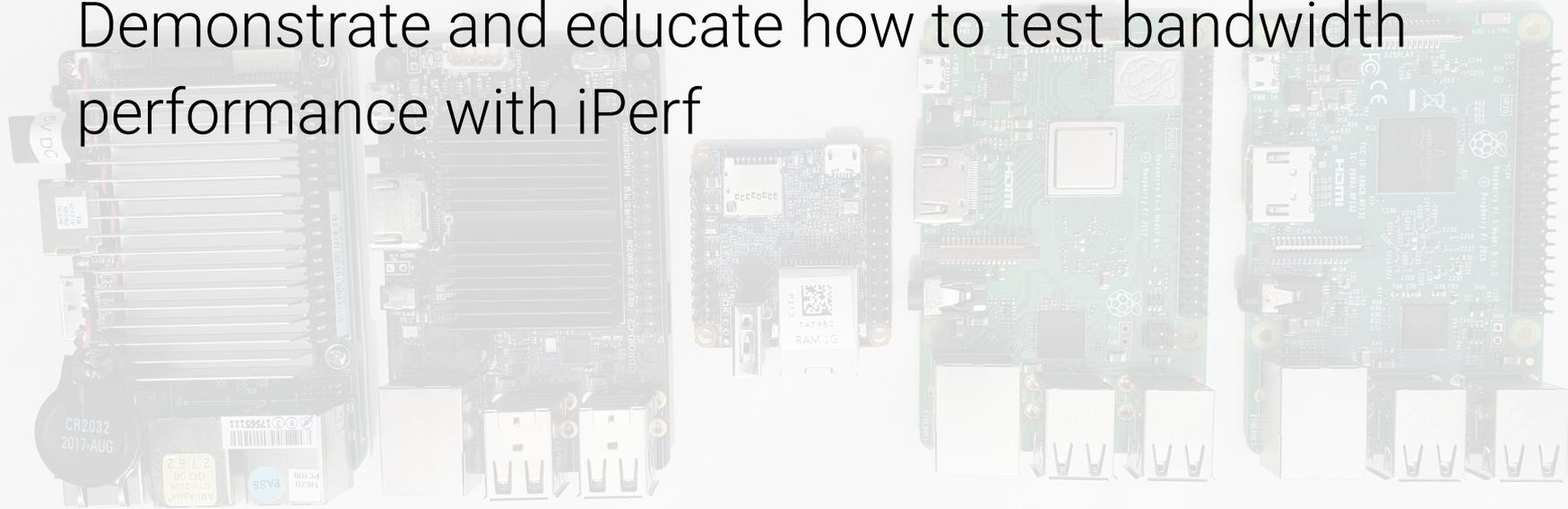
Agenda

- What is [iPerf](#)?
- Lab setup
- iPerf GUI (aka JPerf)
- iPerf on the command line
- iPerf for bandwidth monitoring



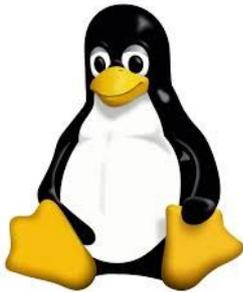
Goal of the Webinar

Demonstrate and educate how to test bandwidth performance with iPerf



iPerf Overview

- Free command line and GUI tool
- Pushes TCP/UDP traffic between two hosts
- Supported on Linux, Windows, MAC
- Two major version: 2 and 3



Mac^{OS}



How to Install iPerf

1. Watch the intro [webinar on iperf](#)
2. Download command line iPerf
3. Download GUI-based JPerf
4. Follow instructions on how to install on Windows or MAC

Linux iPerf installation:

```
apt-get install iperf
```

```
apt-get install iperf3
```

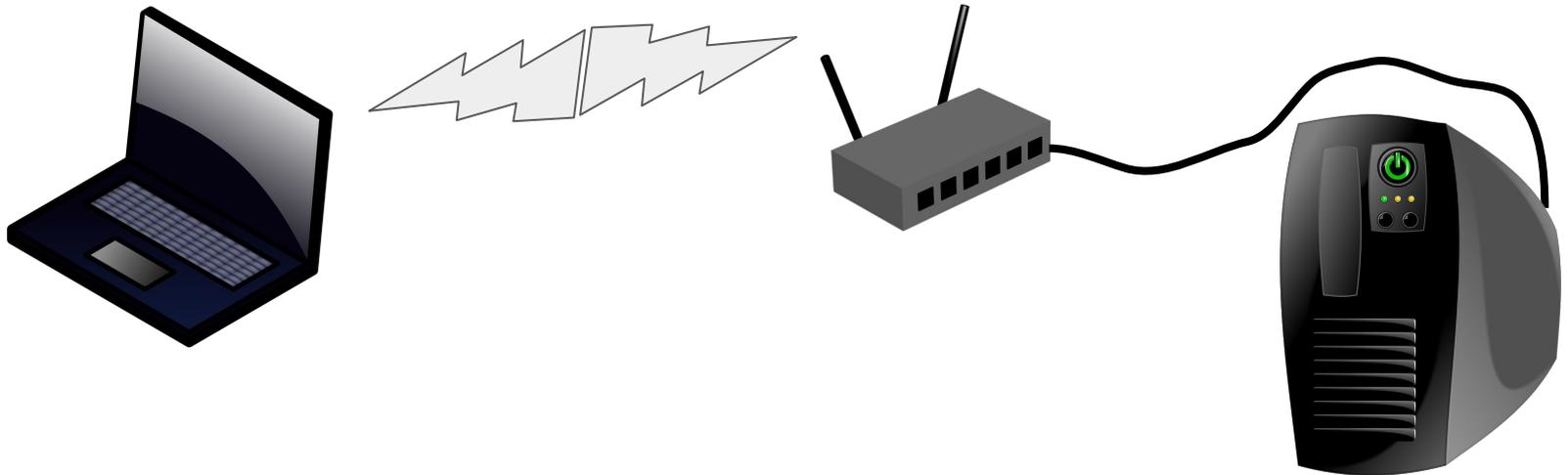
Why use iPerf?

- Stress test your network during deployment
- Troubleshoot network performance issues
- Continuous monitoring of bandwidth performance

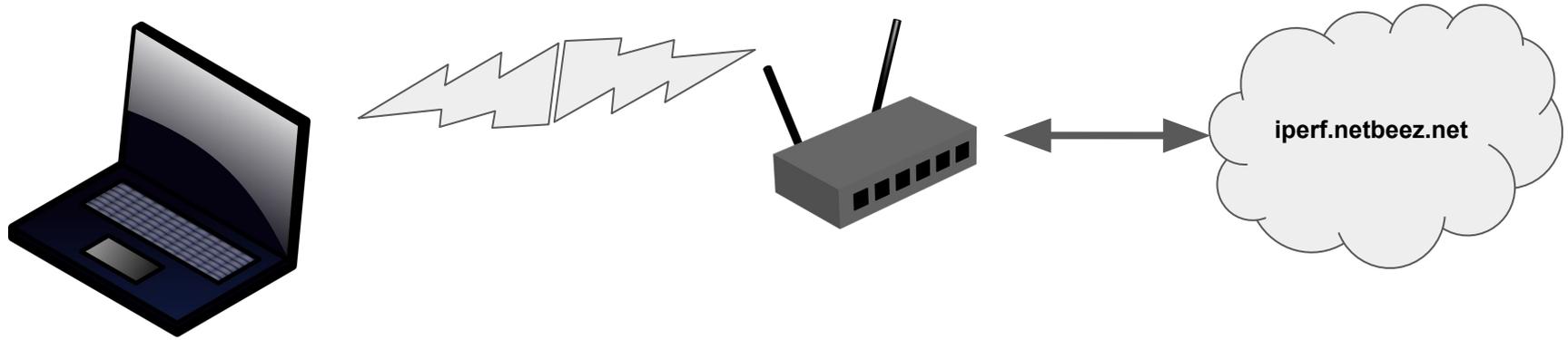
NOTE: iPerf consumes actual bandwidth

Lab Setup

1. Two hosts (e.g. laptop, Raspberry Pi, public iPerf server)
2. Routing between the hosts
3. The receiving host must accept traffic on a specified port

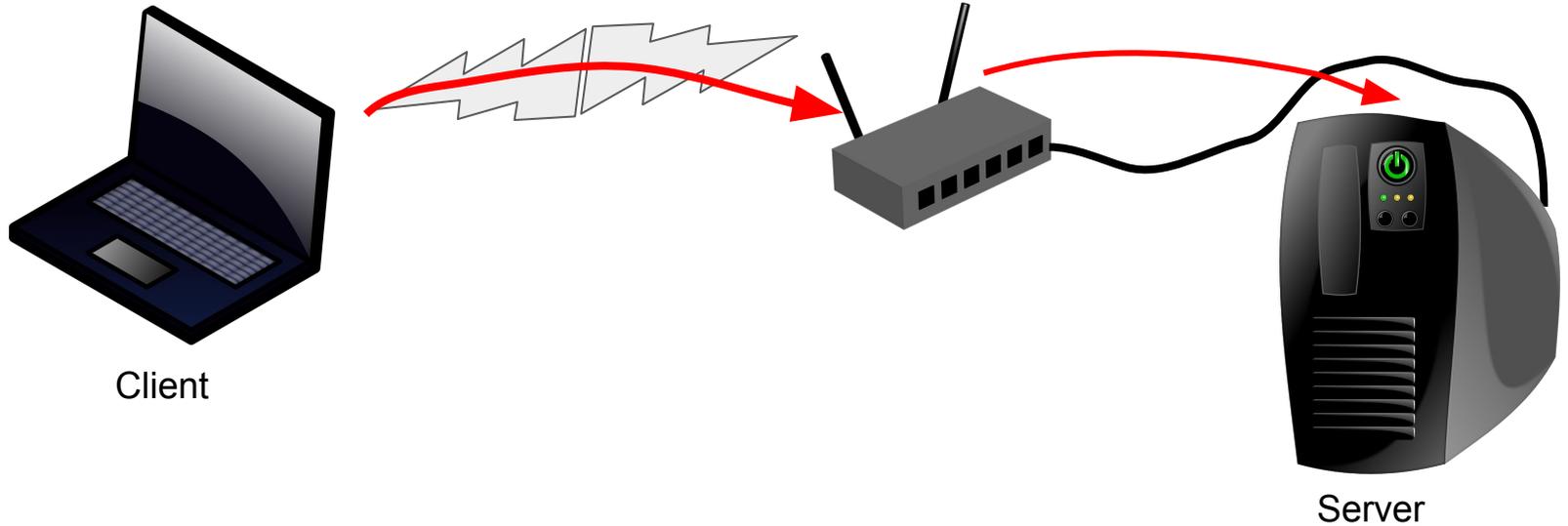


Public iPerf Servers

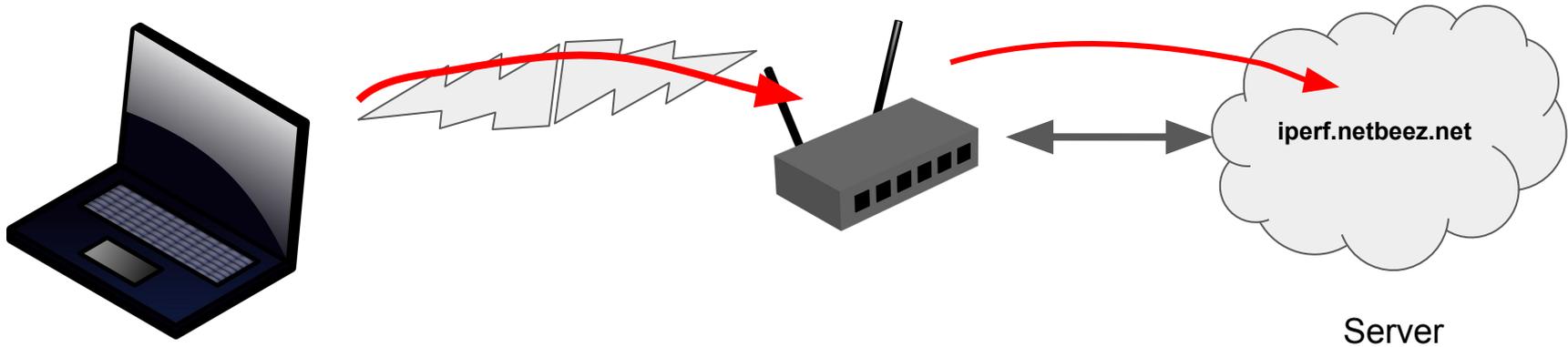


iperf.netbeez.net
iPerf2 ports: 5000-5009
iPerf3 ports: 5200-5209

Test 1: Laptop as sender of traffic (TCP/UDP)



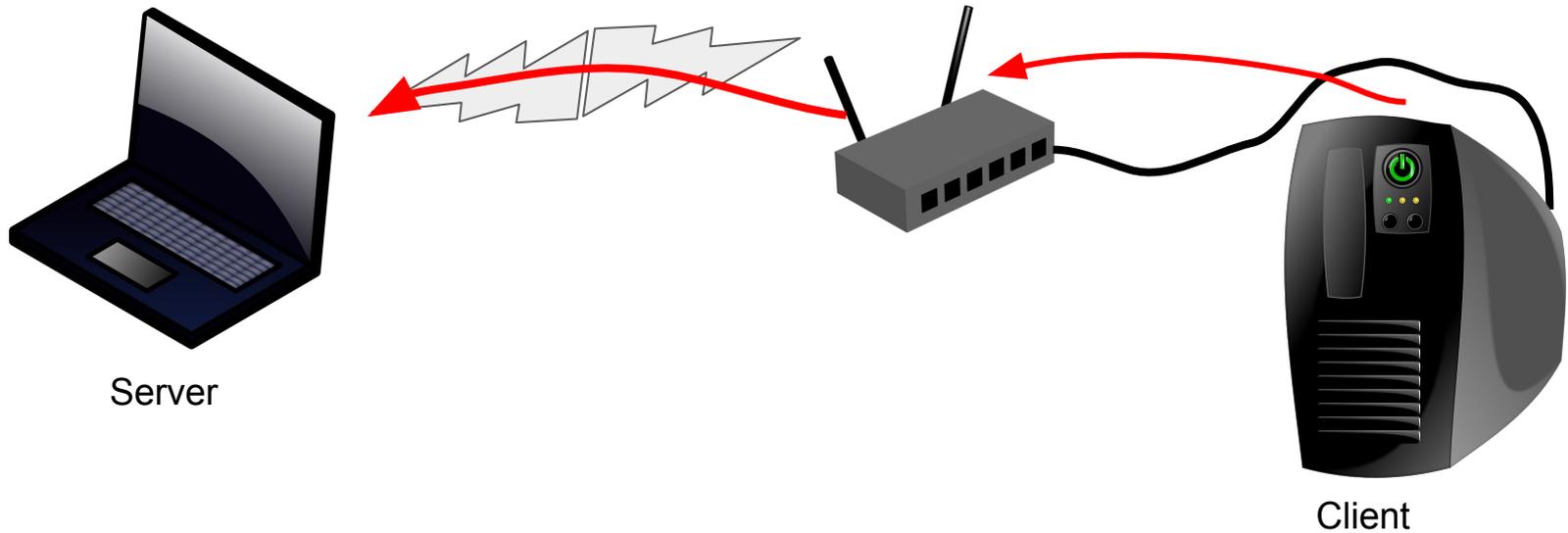
Test 3: Laptop as sender to iperf.netbee.net (TCP)



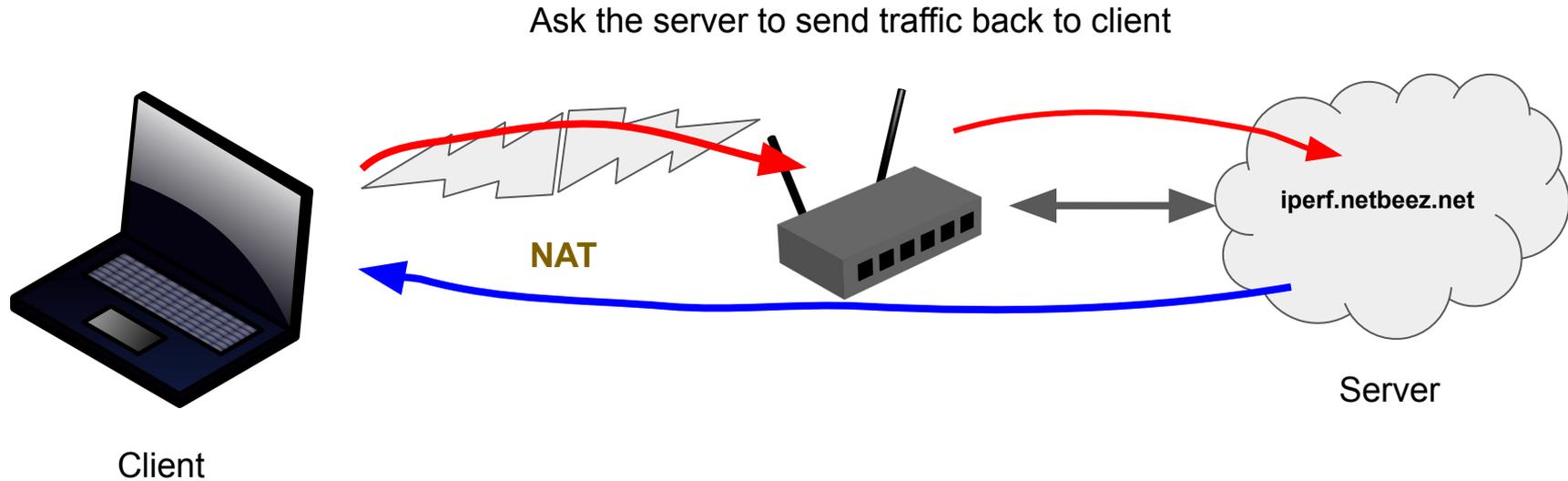
Client

iperf.netbee.net
iPerf2 ports: 5000-5009
iPerf3 ports: 5200-5209

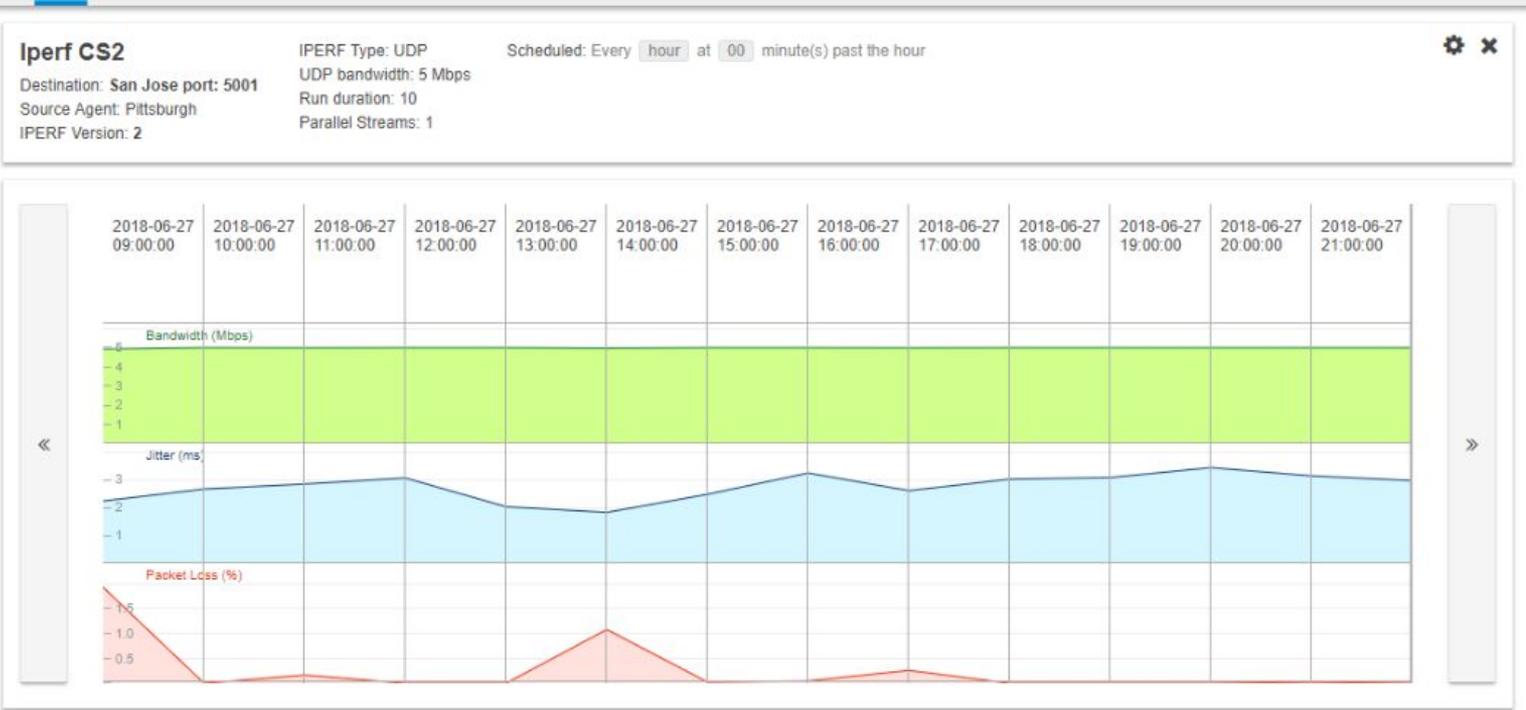
Test 2: Laptop as receiver of traffic

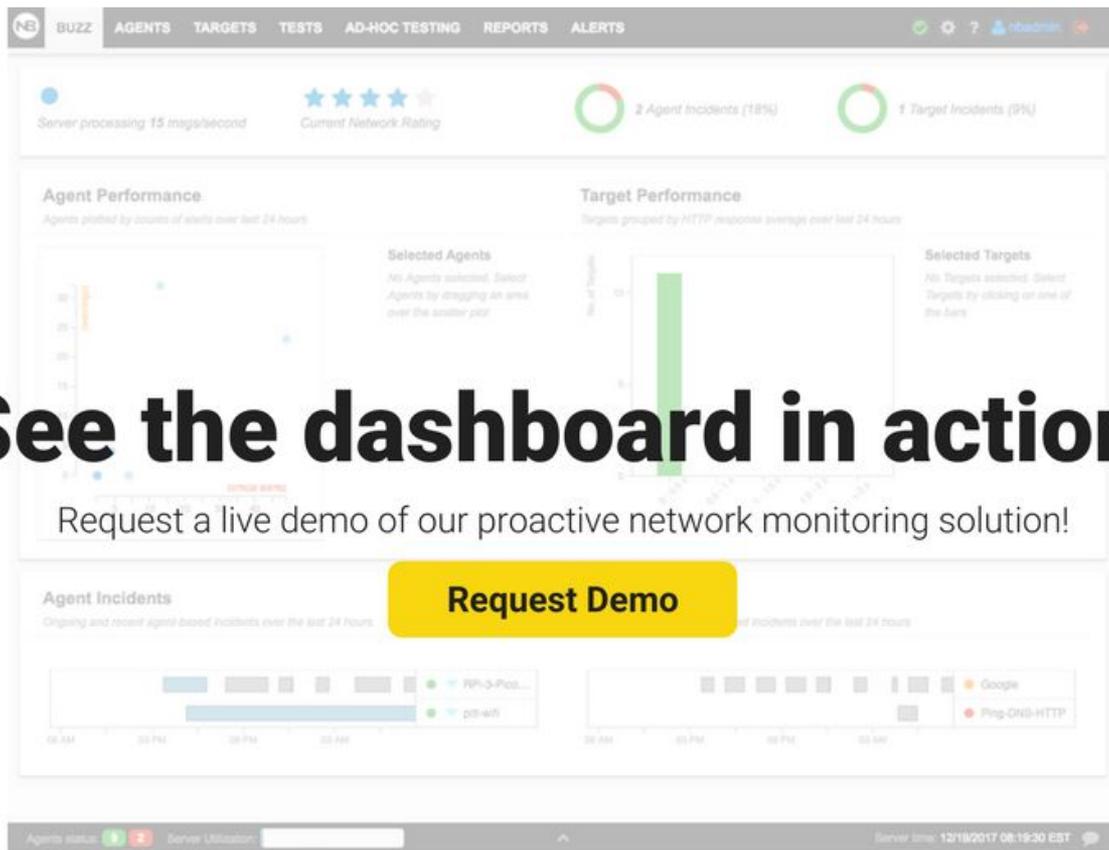


Test 4: Reverse iPerf (version 2 vs. version 3)



Continuous Bandwidth Monitoring iPerf





See the dashboard in action.

Request a live demo of our proactive network monitoring solution!

[Request Demo](#)



Q&A

