



iPerf - The ultimate speed test tool for TCP, UDP and SCTP

Test the limits of your network + Internet neutrality test

	Home		Download iPerf binaries
	Public iPerf3 servers		iPerf user docs
	French iPerf forum		Contact

Table of contents :

1. [Public iPerf3 servers](#)
2. [Script to host a iPerf3 server](#)
3. [Emulating wide area network delays with Linux](#)

Public iPerf3 servers

iPerf3 servers will only allow one iPerf connection at a time. Multiple tests at the same time is not supported. If a test is in progress, the following message is displayed: "iperf3: error - the server is busy running a test. try again later"

Europe							
iPerf3 server	Localization	Data center	Hosting	Speed	Port	IP version	Contact
iperf.par2.as49434.net	France Île-de-France	DC Harmony Hosting		40 Gbit/s	9200 TCP/UDP to 9240 TCP/UDP	IPv4 and IPv6	@g_marso
paris.testdebit.info lille.testdebit.info lyon.testdebit.info aix-marseille.testdebit.info bordeaux.testdebit.info	France Paris France Lille France Lyon France Aix-en-Provence France Bordeaux	Data centers Bouygues Telecom		10 Gbit/s 10 Gbit/s 10 Gbit/s 10 Gbit/s 10 Gbit/s	9200 TCP/UDP to 9240 TCP/UDP	IPv4 and IPv6	@lafibreinfo
speed.as208196.net	France Île-de-France	Mojit Nanterre		10 Gbit/s	5200 TCP/UDP to 5209 TCP/UDP	IPv4 or IPv6	@DorianGaliana
ping.online.net ping6.online.net ping-90ms.online.net ping6-90ms.online.net	France Île-de-France	Scaleway Vitry_DC3		10 Gbit/s	5200 TCP/UDP to 5209 TCP/UDP	IPv4 or IPv6	mikmak
speedtest.serverius.net (Port 5002: add -p 5002)	Netherlands	Serverius data center		10 Gbit/s	5002 TCP/UDP	IPv4 and IPv6	@serveriusbv
ch.iperf.014.fr	Switzerland Zurich	HostHatch data center		1 Gbit/s	18815 TCP/UDP to 18820 TCP/UDP	IPv4 only	@014_fr
iperf.eenet.ee	Estonia	EENet Tartu			5201 TCP/UDP	IPv4 only	@EENet_HITSA
iperf.astra.in.ua	Ukraine Lviv	Astra Lviv		10 Gbit/s	5201 TCP/UDP to 5206 TCP/UDP	IPv4 and IPv6	noc@astra.in.ua
iperf.volia.net	Ukraine	Volia Kiev			5201 TCP/UDP	IPv4 only	@voliaofficial

Asia							
iPerf3 server	Localization	Data center	Hosting	Speed	Port	IP version	Contact
speedtest.uztelecom.uz	Uzbekistan Tashkent	Infosystems		10 Gbit/s	5200 TCP/UDP to 5209 TCP/UDP	IPv4 and IPv6	@KhurshidSuyunov
iperf.it-north.net	Kazakhstan	Petrov		1 Gbit/s	5200 TCP/UDP to 5209 TCP/UDP	IPv4 only	Brauninger A.E.
iperf.biznetnetworks.com	Indonesia	Biznet - Midplaza Cimanggis		1 Gbit/s	5201 TCP to 5203 TCP	IPv4 and IPv6	Biznet Networks

Oceania

iPerf3 server	Localization	Data center	Hosting	Speed	Port	IP version	Contact
speedtest-iperf-akl.vetta.online	New Zealand Auckland	Vetta Online Auckland		10 Gbit/s	5200 TCP to 5209 TCP	IPv4 only	contact

Americas

iPerf3 server	Localization	Data center	Hosting	Speed	Port	IP version	Contact
iperf.scottlinux.com	USA California	Hurricane Fremont 2		1 Gbit/s	5201 TCP/UDP	IPv4 and IPv6	@scottlinux
iperf.he.net	USA California	Hurricane Fremont 1			5201 TCP/UDP	IPv4 and IPv6	HE forums

To add / remove a public iPerf3 server, please report them to [@lafibreinfo](#)

Script to host a iPerf3 server with Linux (Ubuntu / Debian)

iPerf3 not allow multiple tests to a server => it is necessary to start several iPerf processes for not having the message **iperf3: error - the server is busy running a test. try again later**

Systemd script to start 41 iPerf3 server (port 9200 to port 9240).

```
sudo adduser iperf --disabled-login --gecos iperf
sudo nano /etc/systemd/system/iperf3-server@.service
```

```
[Unit]
Description=iperf3 server on port %i
After=syslog.target network.target

[Service]
ExecStart=/usr/bin/iperf3 -s -1 -p %i
Restart=always
RuntimeMaxSec=3600
User=iperf

[Install]
WantedBy=multi-user.target
DefaultInstance=5201
```

The "Restart = always" allows to restart iperf3 after one hour (RuntimeMaxSec = 3600) to limit the cases of no response or when the iperf3 server has ended abruptly.

```
sudo systemctl daemon-reload
```

To activate iperf3 when the server starts up:

```
for p in $(seq 9200 9240); do sudo systemctl enable iperf3-server@$p ; done
```

```
$ for p in $(seq 9200 9240); do sudo systemctl enable iperf3-server@$p ; done
Created symlink /etc/systemd/system/multi-user.target.wants/iperf3-server@9200.service → /etc/systemd/system/iperf3-server@.service.
Created symlink /etc/systemd/system/multi-user.target.wants/iperf3-server@9201.service → /etc/systemd/system/iperf3-server@.service.
Created symlink /etc/systemd/system/multi-user.target.wants/iperf3-server@9202.service → /etc/systemd/system/iperf3-server@.service.
Created symlink /etc/systemd/system/multi-user.target.wants/iperf3-server@9203.service → /etc/systemd/system/iperf3-server@.service.
Created symlink /etc/systemd/system/multi-user.target.wants/iperf3-server@9204.service → /etc/systemd/system/iperf3-server@.service.
Created symlink /etc/systemd/system/multi-user.target.wants/iperf3-server@9205.service → /etc/systemd/system/iperf3-server@.service.
Created symlink /etc/systemd/system/multi-user.target.wants/iperf3-server@9206.service → /etc/systemd/system/iperf3-server@.service.
Created symlink /etc/systemd/system/multi-user.target.wants/iperf3-server@9207.service → /etc/systemd/system/iperf3-server@.service.
Created symlink /etc/systemd/system/multi-user.target.wants/iperf3-server@9208.service → /etc/systemd/system/iperf3-server@.service.
Created symlink /etc/systemd/system/multi-user.target.wants/iperf3-server@9209.service → /etc/systemd/system/iperf3-server@.service.
Created symlink /etc/systemd/system/multi-user.target.wants/iperf3-server@9210.service → /etc/systemd/system/iperf3-server@.service.
Created symlink /etc/systemd/system/multi-user.target.wants/iperf3-server@9211.service → /etc/systemd/system/iperf3-server@.service.
...
```

```
sudo reboot
```

To view the status and logs of iPerf3 :

```
sudo systemctl status iperf3-server@*
sudo journalctl -u iperf3-server@*
```

To disable iperf3 when starting the server :

```
for p in $(seq 9200 9240); do sudo systemctl disable iperf3-server@$p ; done
```

Emulating wide area network delays with Linux

[NetEm](#) (already enabled in the Linux kernel) provides Network Emulation functionality for testing protocols by emulating the properties of wide area networks.

To simulate an additional latency of 80 ms, just type **sudo tc qdisc add dev eth0 root netem delay 80ms**
It just adds a fixed amount of delay to all packets going out of the local Ethernet.

To stop the additional latency, just type **sudo tc qdisc change dev eth0 root netem delay 0ms**

Lines to add to the file **/etc/rc.local** before **exit 0**, to add 40ms of latency :

```
# Add +40ms latency
tc qdisc add dev eth0 root netem delay 40ms
```

Note: If your network interface is not **eth0**, replace **eth0** with the name of your network interface