How to perform an IPERF test - Windows

1. Download IPERF: https://iperf.fr/iperf-download.php and move it to your username folder on your computer e.g. C:\Users\Katey

Please note; IPERF server might need to be opened to test too.

If you get: "iperf3: error - unable to connect to server: Connection refused" then give us a call on: 09 222 0000 Option 1, and reference ticket number: on your call with a support engineer.

2. Once you have the exe in your username folder, (for example: "C:\Users\Katey>"), open 'command prompt' and copy and paste each command below then provide all the results in an email reply. Please do the test each time

Download Testing:

500 Mbps *UDP* Download: Server sends at a rate of 500 Mbps UDP, client receives UDP:

iperf3.exe -c 45.64.51.193 -u -R -b 500M

1 Gbps *UDP* Download: Server sends at a rate of 1 Gbps UDP, client receives UDP:

iperf3.exe -c 45.64.51.193 -u -R -b 1000M

1 Gbps *TCP* Download: Server sends at a rate of 1 Gbps TCP, client receives TCP:

iperf3.exe -c 45.64.51.193 -b 1000M -P 20 -R

Upload Testing:

500 Mbps *UDP* Upload: Server sends at a rate of 500 Mbps UDP, client receives UDP:

iperf3.exe -c 45.64.51.193 -u -R -b 500M

500 Mbps *TCP*: Client sends TCP at undefined Mbps rate, server receives TCP - (extra load due to TCP, which guarantees delivery of data and also guarantees that packets will be delivered in the same order in which they were sent.):

iperf3.exe -c 45.64.51.193 -b 1000M -P 20

An example of an iperf result:

```
[ ID] Interval           Transfer     Bandwidth       Jitter    Lost/Total Datagrams
[  4]   0.00-10.00  sec   120 MBytes   100 Mbits/sec  0.766 ms  35/15333 (0.23%)
[  4] Sent 15333 datagrams

iperf Done.
```

In the above example you will see that in this case an 100Mb iperf test was able to transfer 120 MBytes at a **speed of 100 Mbits per second**.