LAB: iperf and tcp window testing with server in azure. 68 days

WOTD: Green Photo credit: Judy Schmidt on flickr: <https://www.flickr.com/photos/geckzilla/29801410088/in/feed>

:: VLOG TOPICS ::

- bandwidth delay product and tcp window size

1. installing iperf3 on mac

brew install iperf3

2. startup vm in azure

3. install iperf3 on ubuntu vm in azure

4. use azure cli to add iperf port to nsg (network security group)

configuring NSG (network security group) in Azure

sample formulas

BDP (bits) =bandwidth (bits per second) \* RTT (in seconds)

LFN

5,000,000 bps \* .5 = 2,500,000bits

2500000000/8 = 312,500 bytes

1 Gigabit link with 1ms RTT

1,000,000,000 bps \* .001 = 1,000,000/8 125,000 bytes

Broadband

5 mbps

5,000,000 bps \* .003 = 15,000 bits

/8 = 1,875 bytes

- streaming

obs 22 update:

- streamlabels now working

- cool new features

twitch videos and youtube music

:: MEAT CHUNKS (links OTD):

Tuning receive windows in Windows:

<https://blogs.technet.microsoft.com/netgeeks/2018/05/21/a-word-about-autotuninglevel-tcp-receive-auto-tuning-level-explained/>

<https://fasterdata.es.net/host-tuning/ms-windows/>

:: SOCIAL MEDIA ::

TWITCH - <https://www.twitch.tv/thelantamer>

DISCORD - <https://discord.gg/BBSGPYH>

YOUTUBE - <https://www.youtube.com/thelantamer>

TWITTER - <https://twitter.com/thelantamer>

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:: LAB LINKS ::

Google Drive share - <http://bit.ly/2AbJQhp>

INE Diagrams - <http://bit.ly/2mgTGso>

INE VIRL files on Github - <http://bit.ly/2ht78YH>