



7 things that just got better because of Covid-19

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Demand for bandwidth has increased

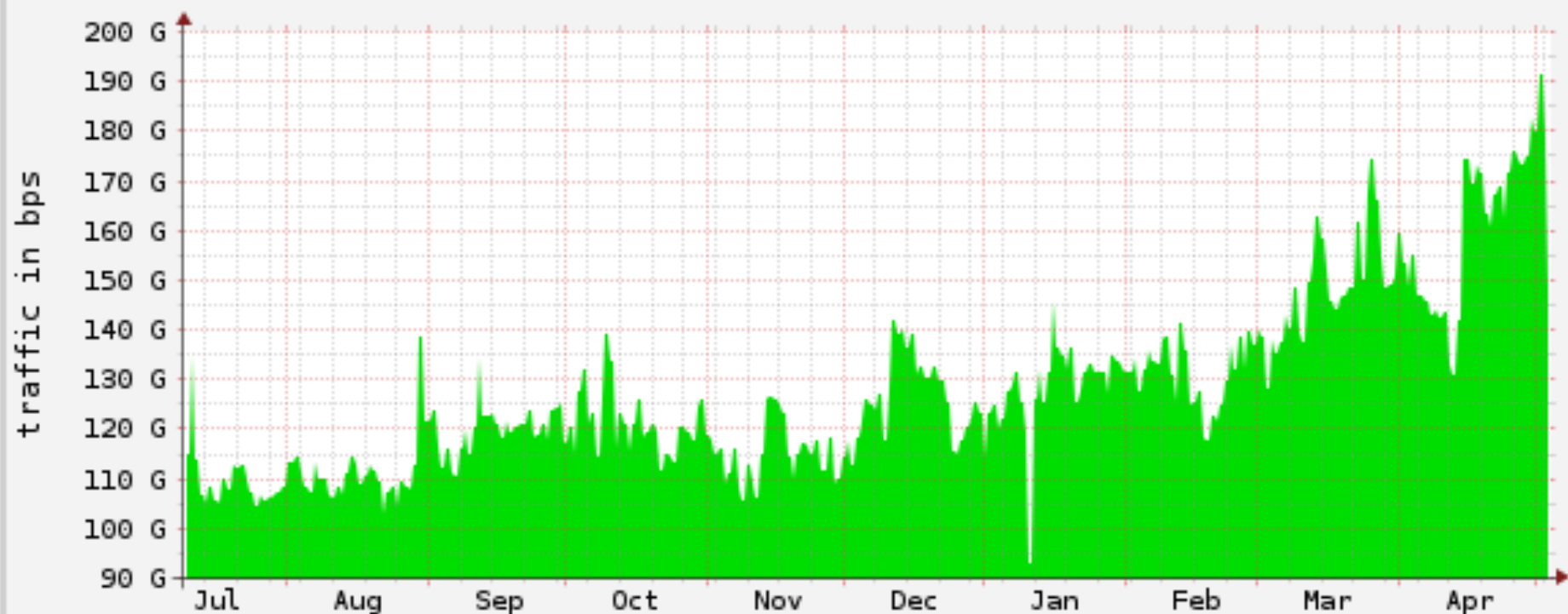
For the networking industry, COVID-19 has meant a marked increase in demand for our services.

- Internet usage is up 70 percent.
- Streaming has increased by 12 percent.
- Related services have seen a boost as well—streaming, conferencing, chat tools, cloud.

IPv6 Traffic is looking up

- Overall volume is up.
- Percentages have not increased dramatically, but they are not declining, either.

Total IPv6 Traffic - yearly



RRDTOOL / TOBI OETIKER

■ in

Cur = 148.6 Gbps
Avg = 128.0 Gbps
Max = 191.2 Gbps
Min = 93.1 Gbps

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IPv6 Traffic is looking up

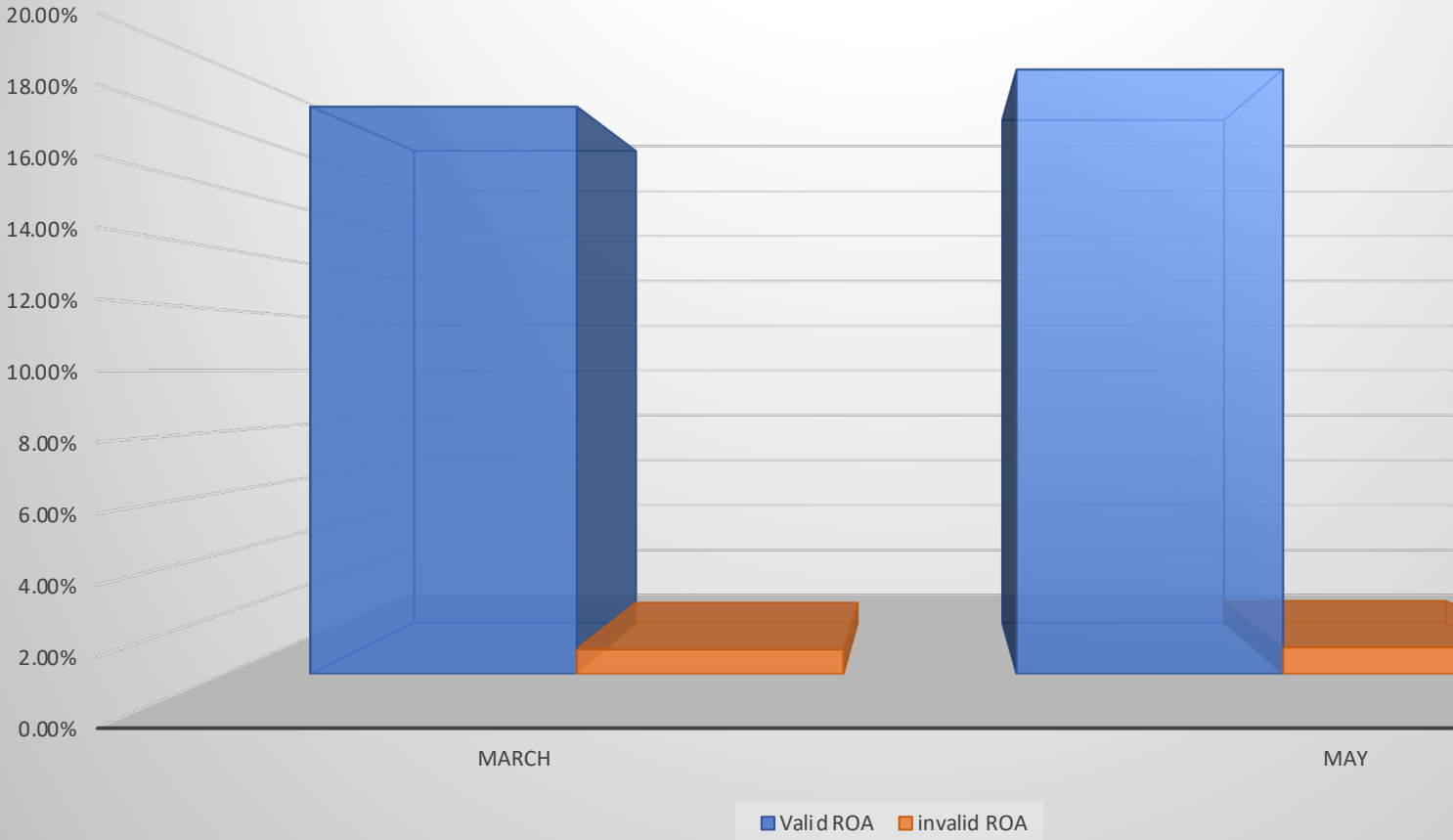
US Government announcement to transition to IPv6-only networks

- By September 30, 2025, 80 percent of connected devices must be IPv6-only.
- The phased approach requires 20 percent by 2023 and 50 percent by 2024. You should care about this because:
- All businesses hoping to contract with the government will have to support this capability.
- Many of those business are global, which will drive IPv6 adoption across their organizations.

Routing security is getting more attention

- ROA creation continues to make progress.
- More networks are adopting route validation against the RPKI data base.
- IRR record validation is increasingly required for prefix acceptance.

Increase In IPv4 Prefixes with ROAs



Work from
home has
become the
new normal.

- Working from home has graduated from a privilege for some workers to a vital strategy for any company that can deploy it.
- Our working attire probably has changed forever.
- “Zoom fatigue” enters the lexicon.

Our places of
work will
improve.

- Eventually, many of us will go back to work, at least some of the time. Practices to reduce the spread of germs when we are together are here to stay.
- In addition to keeping COVID-19 at bay, we might be successful in curbing the spread of the other diseases.
- Cramped office space may be off the table permanently.

Some of us
got more
productive.

- It's documented that working from home can be just as productive or more productive than working from an office or workplace.
- For some of us, working from home is not the same as being there.
- Productivity is about showing up, physically or virtually.

We got a bit
more equal

We are a lot more alike than we have ever been before.

- Our commutes are the same.
- We all have had to improvise to adjust our work habits to compensate for not coming to the office.
- We have the same struggles to maintain boundaries between work and life.

References

Internet usage

- <https://www.forbes.com/sites/markbeech/2020/03/25/covid-19-pushes-up-internet-use-70-streaming-more-than-12-first-figures-reveal/#66e995a43104>

IPv6 Usage

- <https://stats.ams-ix.net/sflow/ipv6.html>
- <https://ix.br/trafego/agregado/sp/v6>

RPKI

- <https://rpki-monitor.antd.nist.gov/?p=1&s=0>

Work from Home

- <https://www.bbc.com/worklife/article/20200421-why-zoom-video-chats-are-so-exhausting>

Productivity

- <https://www.inc.com/scott-mautz/a-2-year-stanford-study-shows-astonishing-productivity-bost-of-working-from-home.html>
- https://www.hbs.edu/faculty/Publication%20Files/19-054_2ecb5287-d0bd-4aa0-b3d8-36fb44b757b4.pdf
- <https://www.vox.com/2020/3/20/21187469/work-from-home-coronavirus-productivity-mental-health-nicholas-bloom>

More Equal

- <https://www.nytimes.com/2020/03/20/parenting/childcare-coronavirus-moms.html>