Supercharging Traceroute

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State of the network or when sth. goes wrong...

- The IETF has defined an extensive set of OAM machinery, e.g.
  - YANG/Netconf/Restconf:
    Let's you monitor (and configure) everything related to **your** boxes
  - In Situ OAM (IOAM):
    Let's you measure everything related to **your** segment of a path
  - IPFIX, ...
- What about the public internet?
  - Ping: interface reachability and RTT
  - Traceroute: router-level path **towards** a destination and RTT to each hop

8,264	771	21,085 *
Unique YANG Files in Vendor	Unique YANG Files in Standard	Unique YANG Files Parsed into YANG Catalog

We would like to make traceroute better, by also measuring the reverse path

*source: yangcatalog.org

Join the discussion, help us measure and improve

- Read the draft and join the discussion (well, start really) at INTArea
- Offer to host a reverse traceroute end-point
- Use our reverse traceroute client and send us the output
- Remember, the internet is for end users (RFC 8890), so is this work
  - People and organizations running infrastructure in the cloud
  - People and organizations consuming services over the public internet
  - ...
- Website: https://net.hs-augsburg.de/en/project/reverse-traceroute/
- Github: https://github.com/HSAnet/reverse-traceroute
- Contact: rolf.winter@hs-augsburg.de

https://datatracker.ietf.org/doc/html/draft-heiwin-intarea-reverse-traceroute