ParisTraceroute

Paris Traceroute

"Paris traceroute" is a traceroute variant that detects different types of load-balancing approaches in the network, and tries to enumerate parallel paths. The (C++) source code is available under the GNU Public License (GPL). The code has been tested under Linux and NetBSD.

Multi-level MDA-Lite Paris Traceroute

In 2018, a variant of Paris Traceroute was published along with a paper at the IMC 2018 conference. Its goal is to improve detection of multiple next hops at several hops in a single traceroute command, and also to support high levels of path parallelism that have become observable in the Internet lately. This tool was deployed on the RIPE ATLAS measurement infrastructure.

References

- http://www.paris-traceroute.net/
- *Avoiding traceroute anomalies with Paris traceroute*, B. Augustin, X. Cuvellier, B. Orgogozo, F. Viger, T. Friedman, M. Latapy, C. Magnien and R. Teixeira, Internet Measurement Conference, October 2006, PDF
- *Multilevel MDA-Lite Paris Traceroute,* K. Vermeulen, S. Strowes, O. Fourmaux, T. Friedman, ACM IMC 2018 (preprint), November 2018
    - related material: RIPE Labs blog post, slides from IETF 101 maprg meeting, slides and video of RIPE 77 MAT WG presentation

– Main.SimonLeinen - 01 Feb 2007–02 Dec 2018