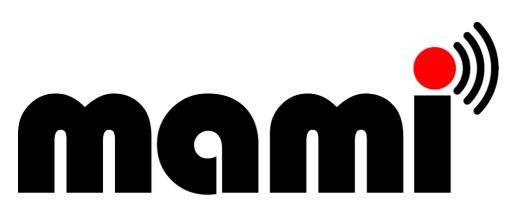
Copycat & Tracebox: Status update

Korian Edeline (ULG)



measurement and architecture for a middleboxed internet

measurement

architecture

experimentatio

This project has received funding from the European Union's Horizon 2020 research and innovation programme

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view. The European Commission is not responsible for any use that may be made of that information.



Copycat



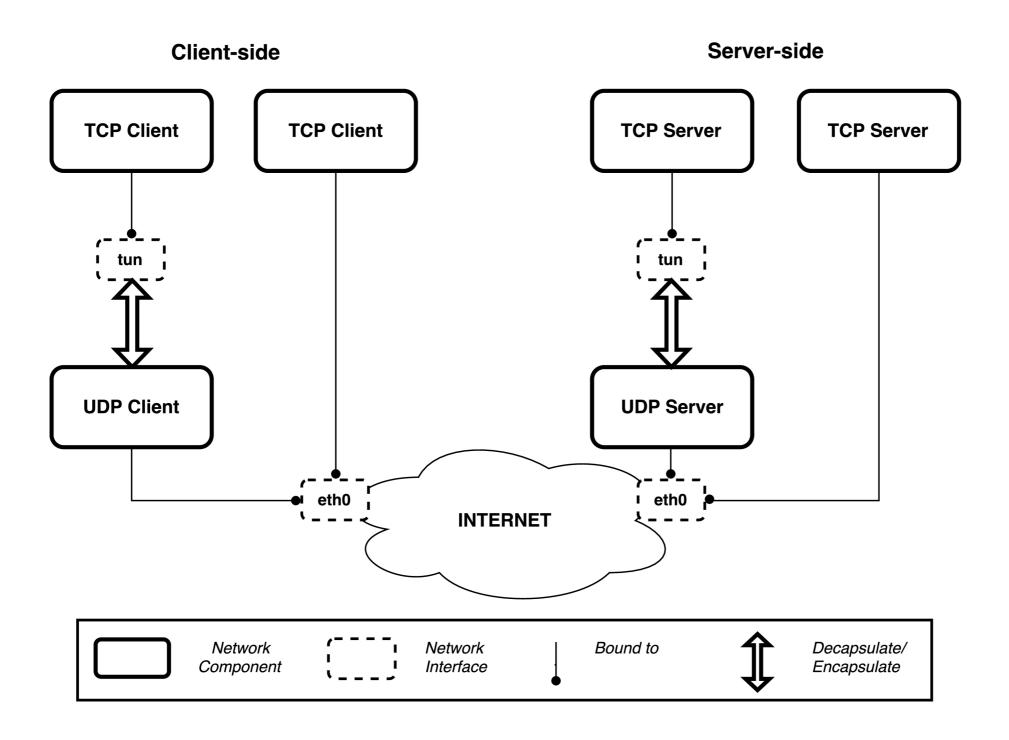
- UDP encapsulation to circumvent MB impairements (SCTP, QUIC, SPUD)
- Does the path discriminate flows based on transport?

- Study with Copycat:
 - Differential treatment (Connectivity, QoS, ...)
 - Is UDP Internet less ossified ?



Copycat







• Berlin Plenary





- PlanetLab
- Digital Ocean
- + RIPE Atlas Pings

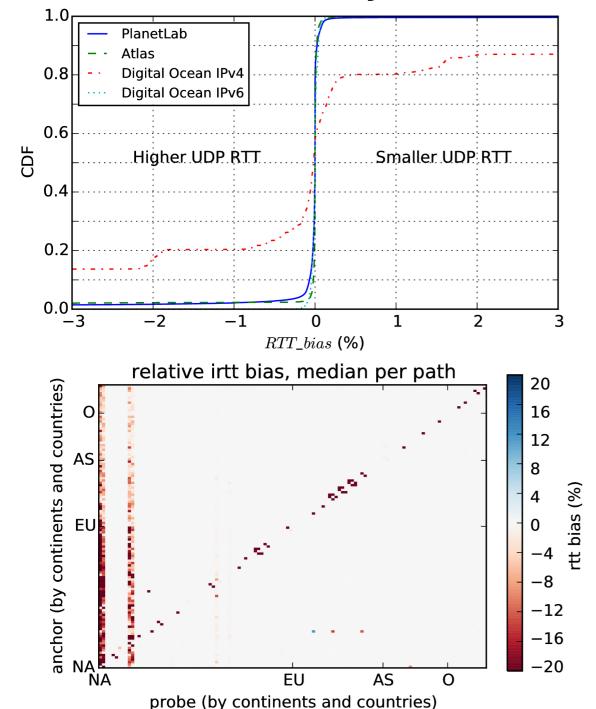


7/12/16 <Name>: <Title>

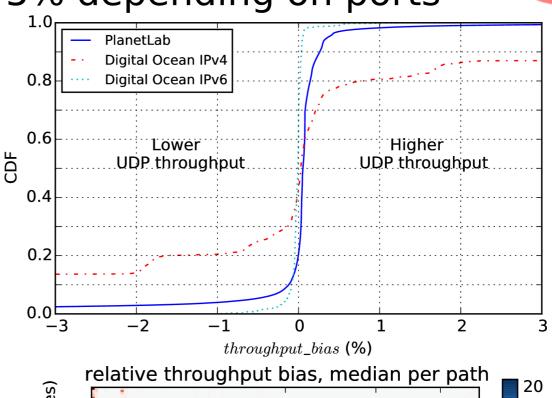
Copycat Results (UDP vs TCP)

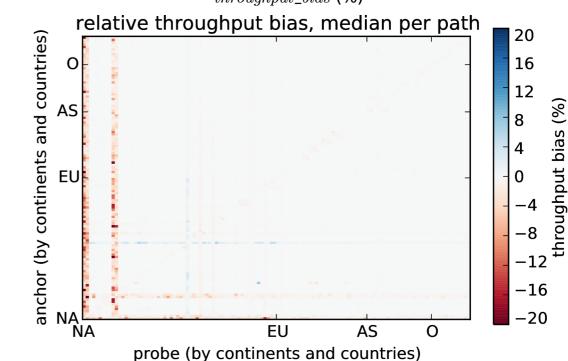
• Berlin Plenary

UDP connectivity bias: -1% to -5% depending on ports



7/12/16





Next Steps



NORNET / MONROE

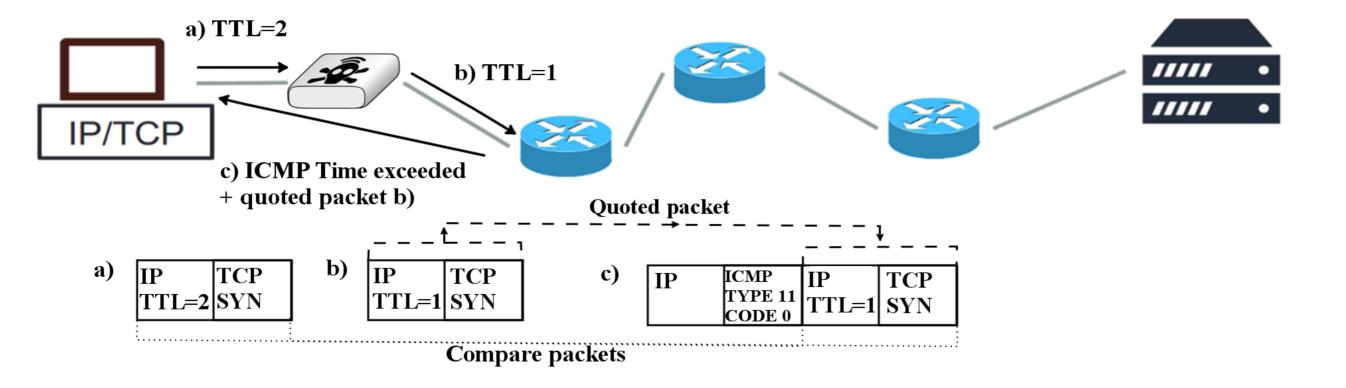
Ark

Network bias (IPv4 vs IPv6)



Tracebox







7/12/16

Current Tracebox deployment



- Collected data:
 - PlanetLab (Alexa TOP 1M, March 2016 to May 2016, July 2016 to ...)

- Being-collected data:
 - Ark (IPv6)
- To-Be-Collected data:
 - RIPE Atlas
- Would-Like-To-Collect data:
 - MONROE



Tracebox



- MB detection & localization
- WP2

- Next Steps:
 - Analysis (Observatory?)
 - PAM16

