

Tools for Networking and Traffic/Data Traces

at

UoN (University of Napoli “Federico II”)

Alessio Botta, Alberto Dainotti, Antonio Pescapè, Giorgio Ventre

SIGCOMM 2006 Community
Interest Session

[*http://www.grid.unina.it/Traffic*](http://www.grid.unina.it/Traffic)

Tools for Network Measurement and Analysis

- *Plab*: capture and analyze traffic traces, extracting data at flow/connection/packet – level
- *Hynetd*: topology discovery at router level
- *D-ITG*: Distributed Internet Traffic Generator
- Matlab Scripts for (statistical) analysis

<http://www.grid.unina.it/Traffic>

Traces

- Traffic Traces (passive approach)
 - HTTP, SMTP, POP3, IMAP, MSN, WORMS, GAMES
- Data Traces (active approach)
 - Delay (OWD and RTT), Jitter, Packet loss, Throughput samples
 - Small scale Heterogeneous Networks
 - Large scale Wireless Networks* (Magnets, a WWAN in Berlin)

Let us know: more functionalities, data, ...

* In the context of a research collaboration with Network Group of the Deutsche Telekom Laboratories (Berlin)

<http://www.grid.unina.it/Traffic>