

top-like connection tracking with flowtop

(Lightning Talk)

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- Useful to have a quick overview of current connections
 - If you access website X, what other connections are being opened in the background that I'm not aware of?
 - What connections are active that pass ones router?
 - I have this proprietary binary Y, where does it connect to?
 - To which countries am I sending my data?
 - Are there any suspicious background connections on my machine?
 - How many connections has binary Z currently active?

- Built on top of `libnetfilter_conntrack` library
- Top-like ncurses frontend for displaying flows/sessions
- What it currently displays per flow, if available:
 - Application name and PID
 - Used protocols (IPv4, IPv6, TCP, UDP, SCTP, ICMP, ...)
 - Transport protocol state machine information, e.g. for TCP
 - Used flow port/service heuristic
 - Reverse DNS for source and destination, ports
 - Geo-location information (country, city)
- Short demo

Thanks! Questions?



- flowtop is part of the netsniff-ng toolkit
- Go hack on it! ;-)
 - `git clone git://github.com/borkmann/netsniff-ng.git`
- Web: <http://netsniff-ng.org>

- Include `libnetfilter_conntrack` byte, packet counter
- Add a filtering system
 - glibc's regex for application names, geo information or on DNS names
 - Filtering based on PID, ports
- Figure out a way to display information more nicely
- Also allow to dump information, or non-ncurses output