Testing web apps with traffic control

with Weave Scope

Alban Crequy
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- Contributor to rkt
- Working on Weave Scope and eBPF
- In 2014, worked on traffic control for multimedia applications in cars (tcmmmd)

https://github.com/alban
Berlin-based software company building *foundational* Linux technologies

Some examples of what we work on...

- rkt
- systemd
- weavescope
Find out more about us…

Blog: http://kinvolk.io/blog

Github: https://github.com/kinvolk

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Demo
Scope architecture

Deployment & Service

Daemon Set

node 1

Scope Agent

Plugin 1

Plugin 2

node 2

Scope Agent

Scope App

Plugin 1

Plugin 2

Firefox
Network emulator (netem)
Testing with containers

Traffic control plugin

configure “netem” qdiscs:
bandwidth, latency, packet drop...

container 1

container 2

eth0

eth0
Questions?

The slides: https://goo.gl/VPIDH2