



ToxProxy- Proof of Concept

Battery got you down? No more!

Thomas & Zoff at ToxCon 2019 11.-13.10.2019



About

Thomas

- Softwaredevelopment: Java, SQL, Bash.
- Home-made IoT bricolage



How does it work?

Multidevice support and offline Messages (mostly)

- everything in place for multidevice support of 1-on-1 messages
- offline messages achieved by leaving 1 device always on (like your laptop at home, or your router at home)



What does it need?

To achieve this we need a few simple things

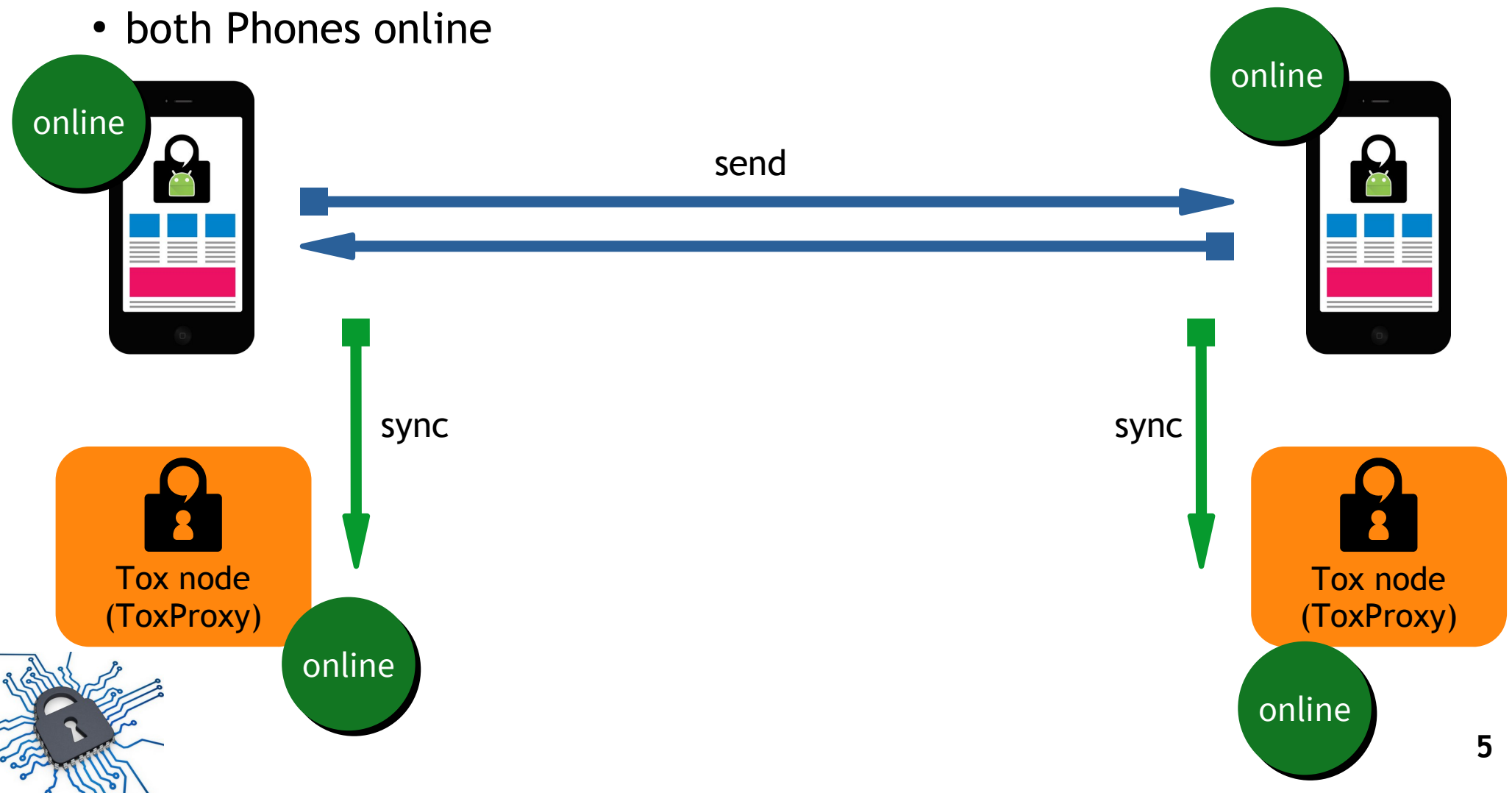
- unique Message IDs (32 byte Hash)
- real sent timestamps (wall clock unix timestamp)
- real received timestamps (wall clock unix timestamp)



How does it work?

sending a Message

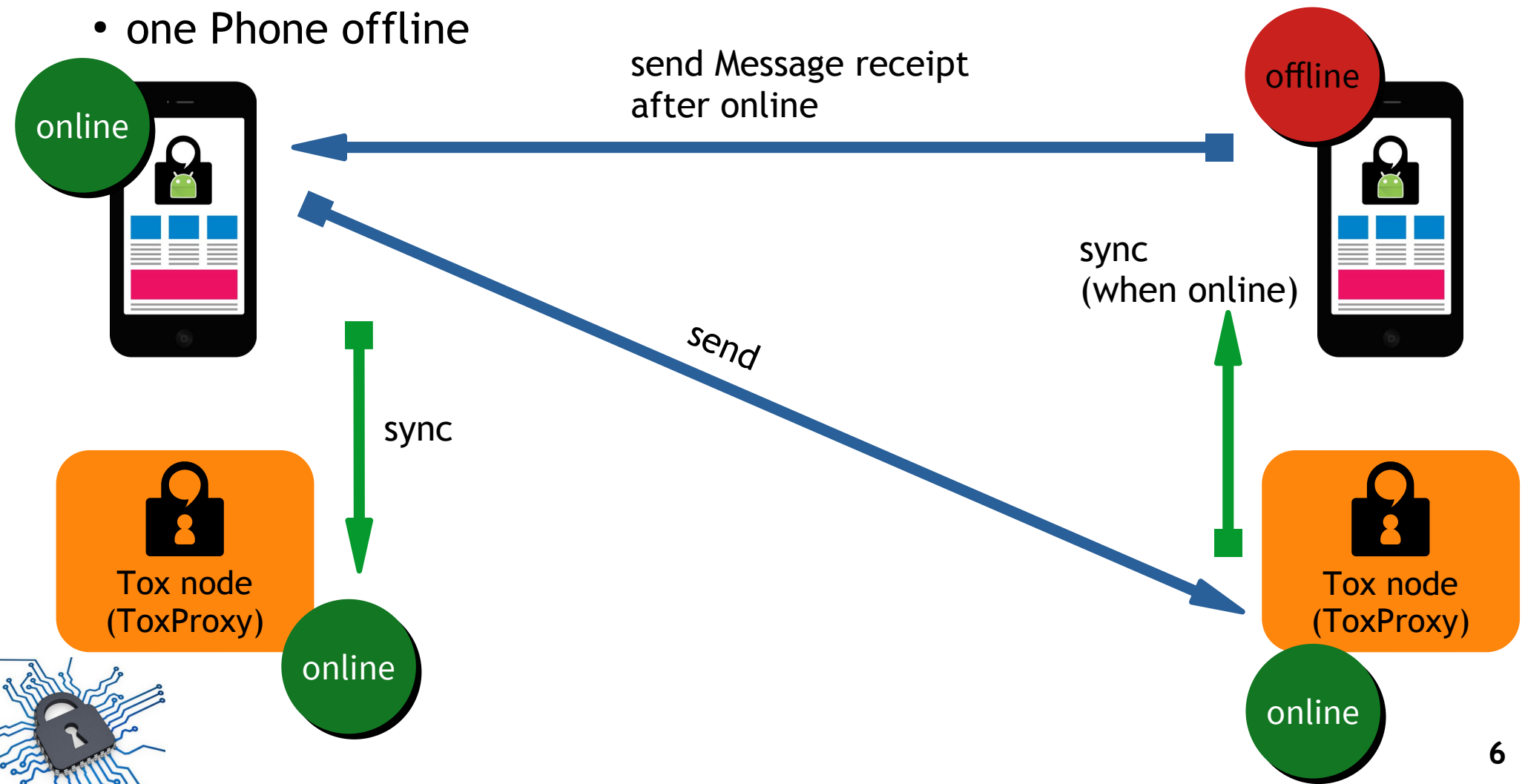
- both Phones online



How does it work?

sending a Message

- one Phone offline



Assistant shows device,
and looks stupid



getting in touch ...

- Github:
<https://github.com/kaefert/ToxProxy>
<https://github.com/zoff99/ToxAndroidRefImpl>
<https://github.com/zoff99/c-toxcore>
- Email:
thomas@kaefer.cc
- ToxID:
0A37A3616ED2769168A63633E0A910D1B48072001DF7496C99D
BCFEFA994382E3F3CAF0BDA5A

