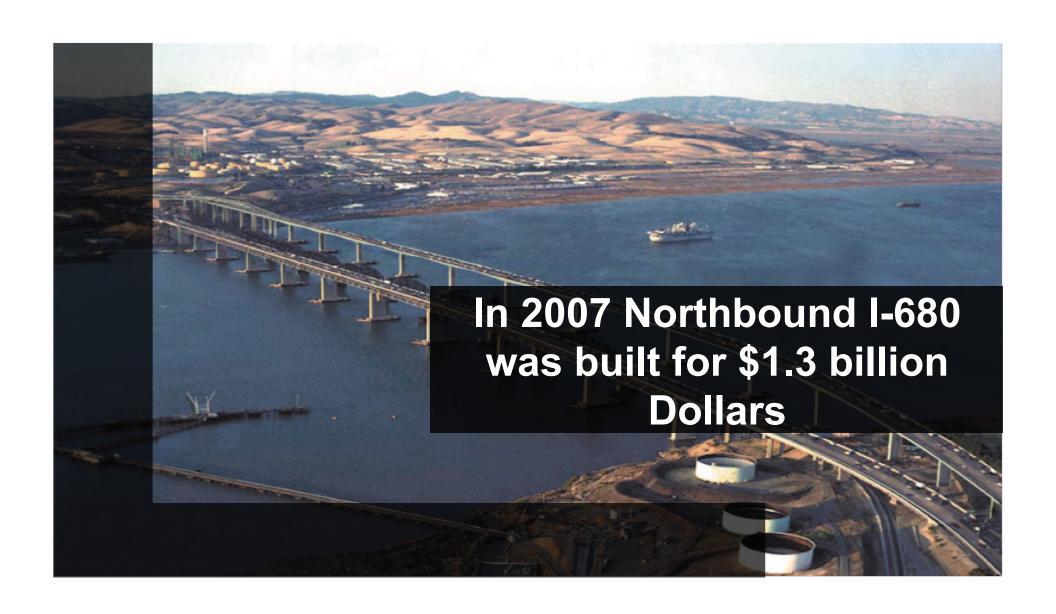


### RIPE NCC: Trusting Technology

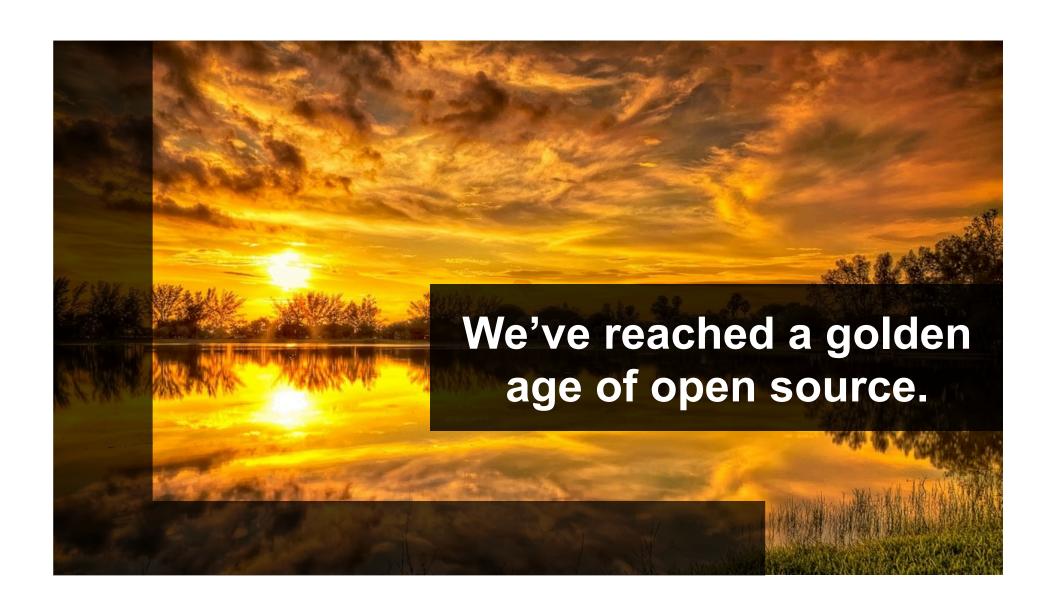
Dan Kohn, Linux Foundation Core Infrastructure Initiative May 14, 2015

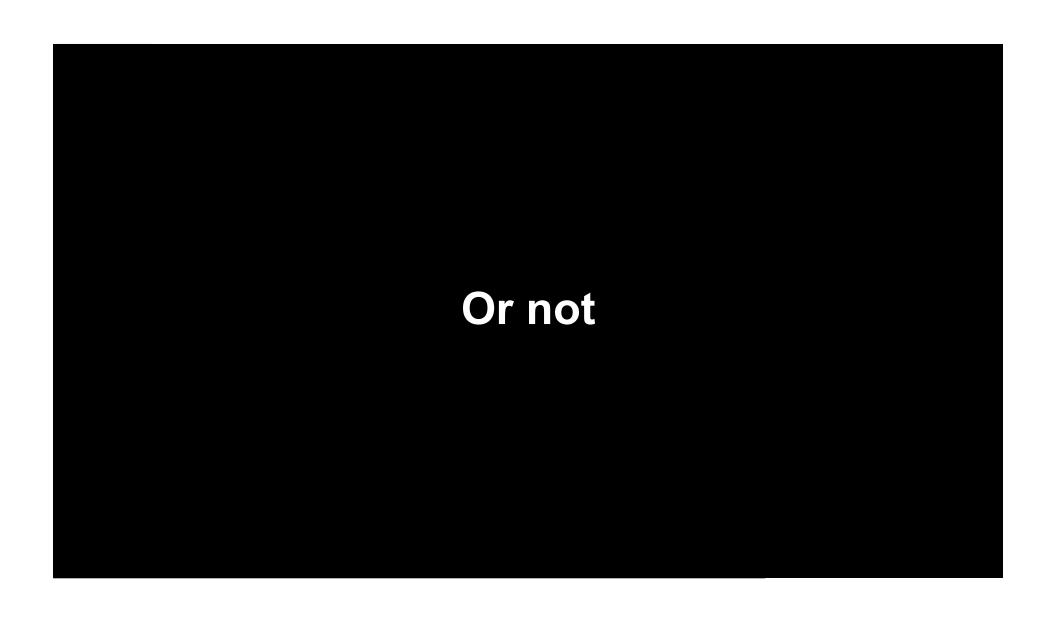






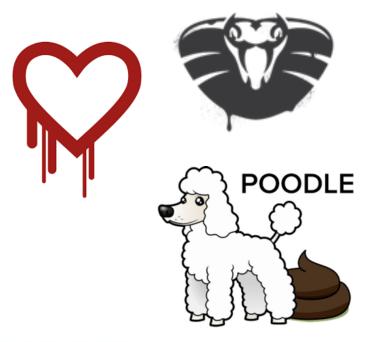
# Open source now creates billions of dollars of value and touches all of our lives







# In 2014 the security of the Internet was hit by a number of open source vulnerabilities







#### This isn't just an open source problem







"LovSan"

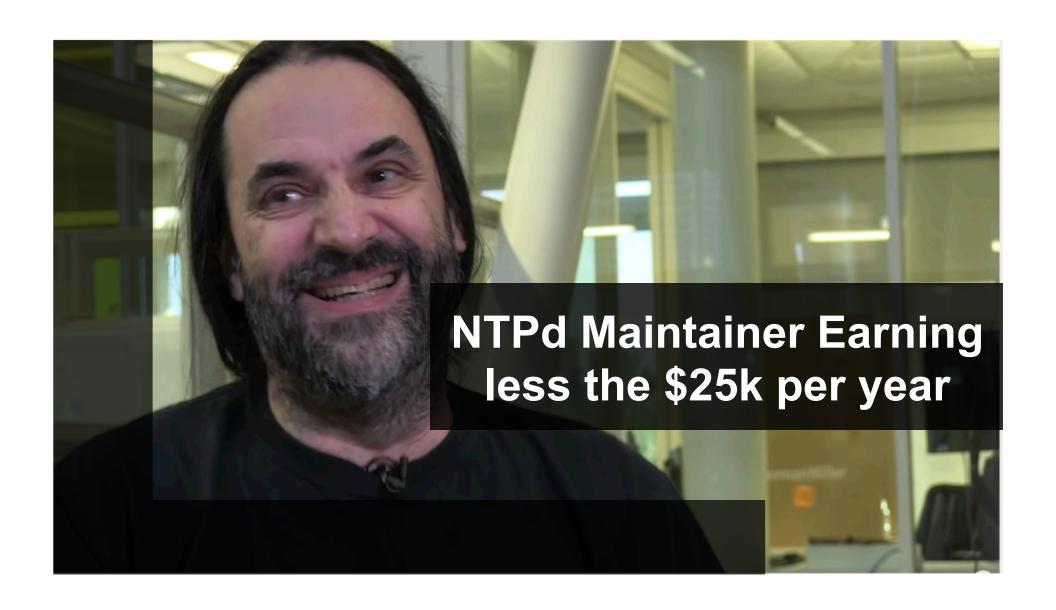








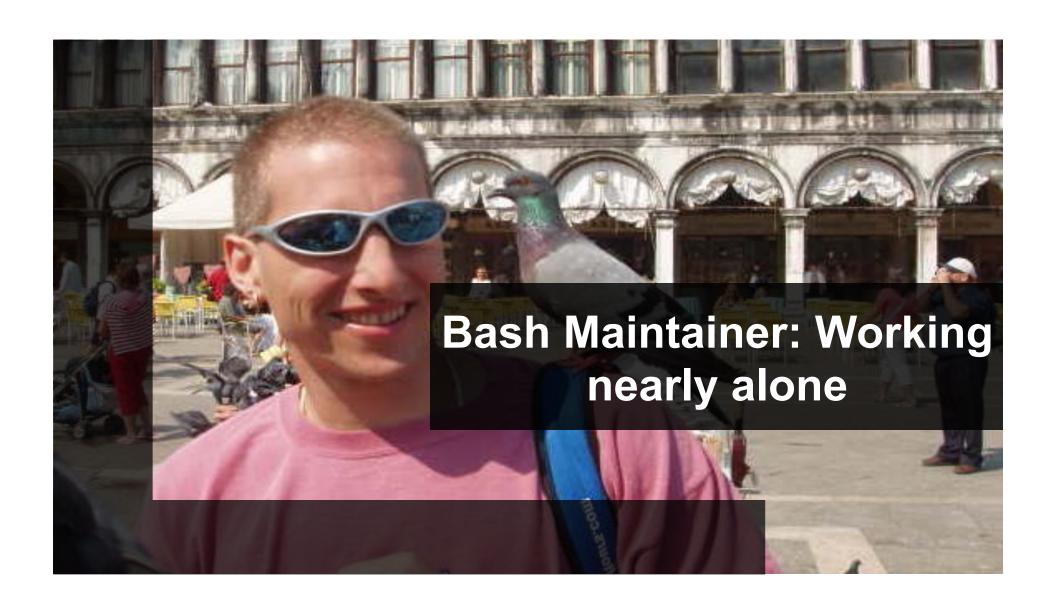
Why is this happening if Linus's law is true: "Given enough eyeballs, all bugs are shallow."

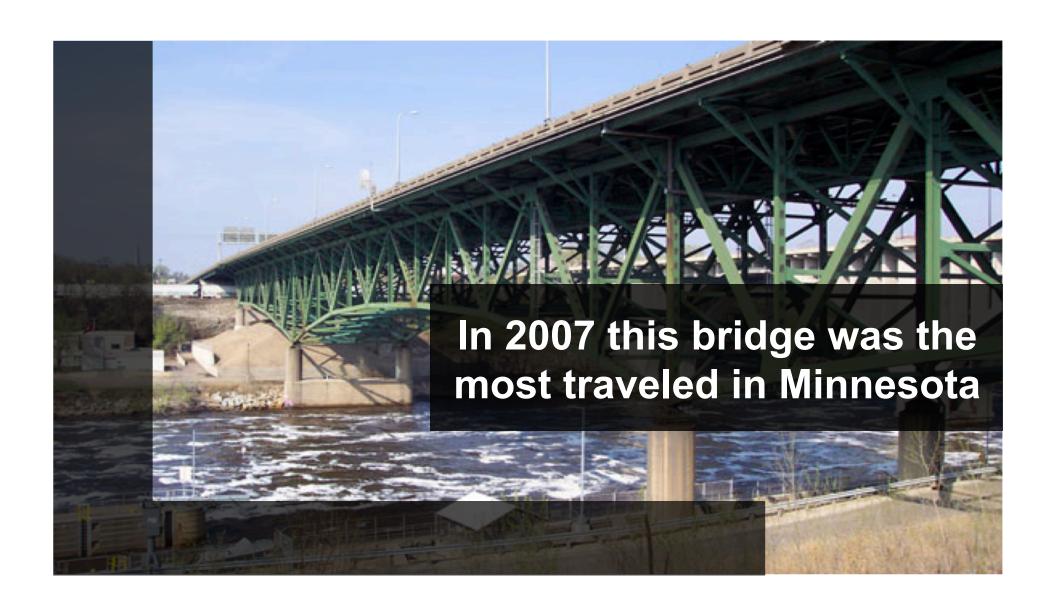




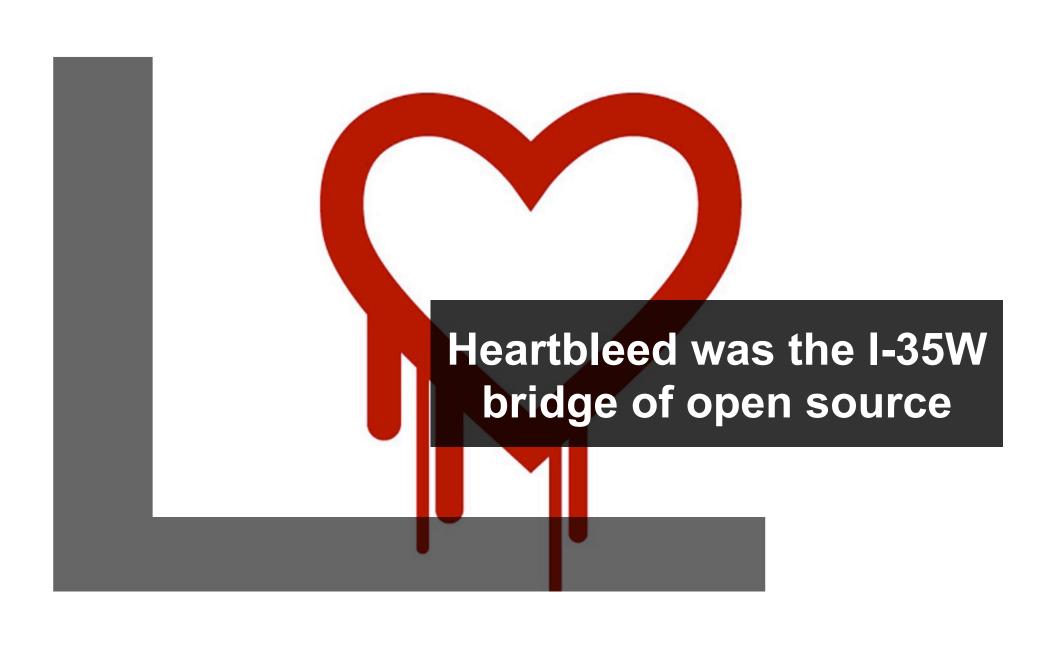












### Why Is This Hard?

- Because software is complex.
- Because secure code is hard to write and maintain.
- Because we want to fix open source market failures without screwing up open source market success.

#### Why can we fix this?

- Because only open source allows for collective and transparent remediation.
- Because open source can leverage shared testing and tools to make everyone better.
- Because we can share best practices to make writing secure code easier.





## In addition to large tech firms we have an advisory board of industry experts.

























# What is Cll Doing?

CII is focused on three key things.

# Funding Projects That Need Help

- GnuPG
- Network Time Protocol
- OpenSSL
- OpenSSH
- Open Crypto Audit Project
- New research and infrastructure initiatives being announced next week

# 2 Core Infrastructure Census

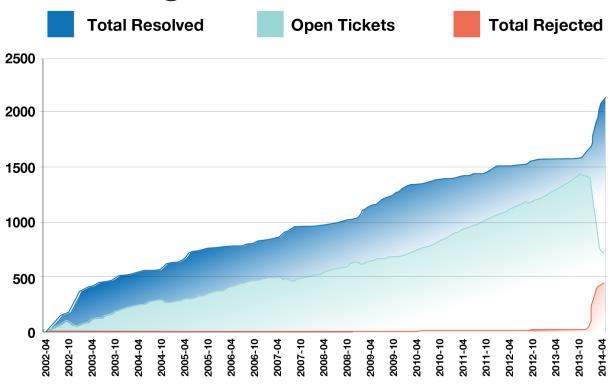
How do we find the next OpenSSL, NTPd or Bash?

This is not as easy as it sounds.

# 3 Security Best Practices Guidelines

How can we provide ALL open source projects with help writing secure code from day one?

### OpenSSL Bugs Since Heartbleed



The security, privacy and stability of the Internet matters to all of us. Those things depend on open source and we have an opportunity to act.

### We need your help

- Tell us about critical open source projects that need help
- Census and best practices guidelines will be published as open source projects: contribute and improve them
- Have your company join CII

# Thank you.

Dan Kohn < <a href="mailto:dankohn@linux.com">dankohn@linux.com</a>>