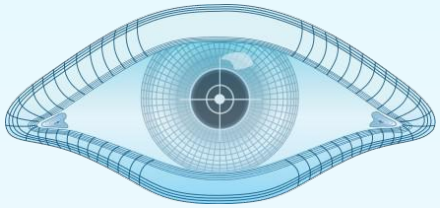
Open Source Security Tool Turbo Talks
Wireshark Sharkfest 2011

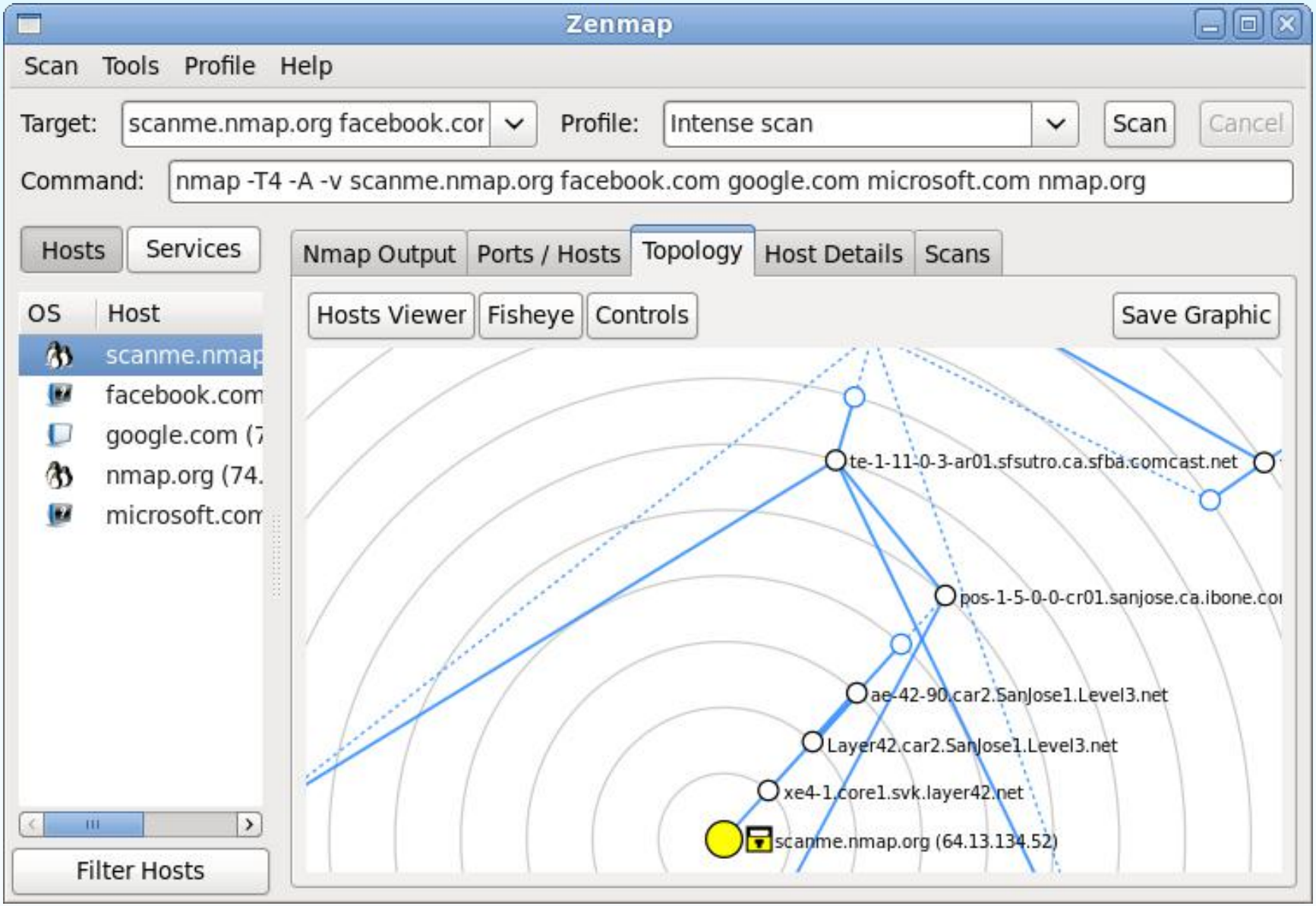


Gordon “Fyodor” Lyon
Nmap Security Scanner Project

Tod Beardsley
Metasploit Project (Rapid7)

Thomas D'Otreppe
Aircrack-ng

Nmap Security Scanner



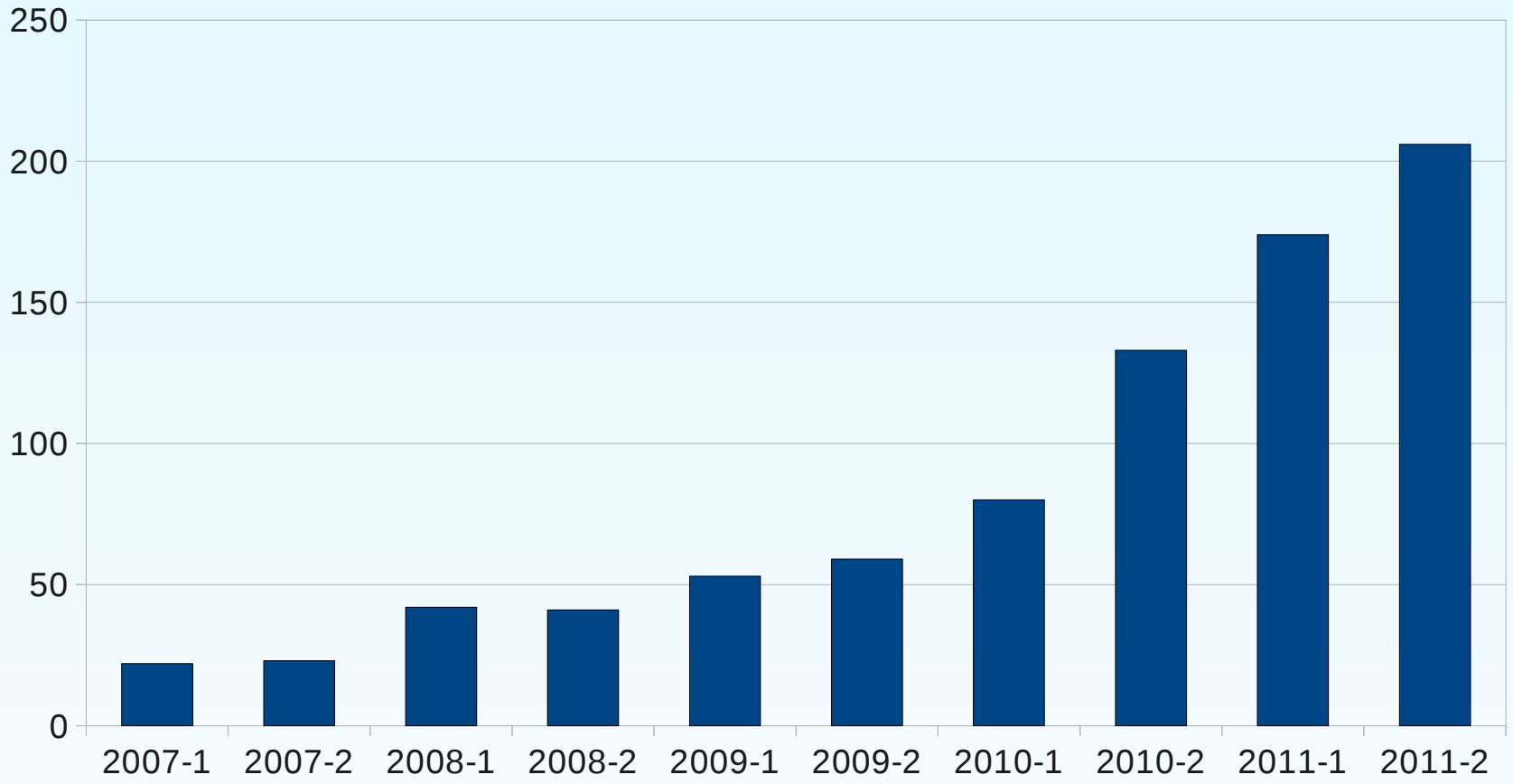
Outline

- Nmap Scripting Engine
- IPv6
- Zenmap GUI
- Nmap Suite
- Final Notes & Q&A

Nmap Scripting Engine

```
# nmap -A -T4 www.wireshark.org
[...]
21/tcp  open  ftp      vsftpd 2.0.8 or later
| ftp-anon: Anonymous FTP login allowed (FTP code 230)
| drwxrwxr-x    3 ftp      ftp          4096 Jun 07 17:37 osx
| drwxrwxr-x    2 ftp      ftp         36864 Jun 13 10:01
prerelease
| drwxrwxr-x    3 ftp      ftp          4096 Jun 07 17:35 src
22/tcp  open  ssh      OpenSSH 5.3p1 Debian 3ubuntu6
(protocol 2.0)
| ssh-hostkey: 1024
79:d7:cc:0c:8f:03:20:0d:75:39:09:7f:09:42:9c:25 (DSA)
|_2048 1c:6a:6d:94:5e:9b:60:ac:7e:15:f9:c7:24:85:4b:42 (RSA)
80/tcp  open  http     Apache httpd 2.2.14 ((Ubuntu))
| http-robots.txt: 3 disallowed entries
|_/awstats/ /cgi-bin/ /mailman/
|_http-title: Wireshark &middot; Go deep.
443/tcp open  ssl/http Apache httpd 2.2.14 ((Ubuntu))
|_http-title: Wireshark &middot; Go deep.
| http-robots.txt: 3 disallowed entries
|_/awstats/ /cgi-bin/ /mailman/
```

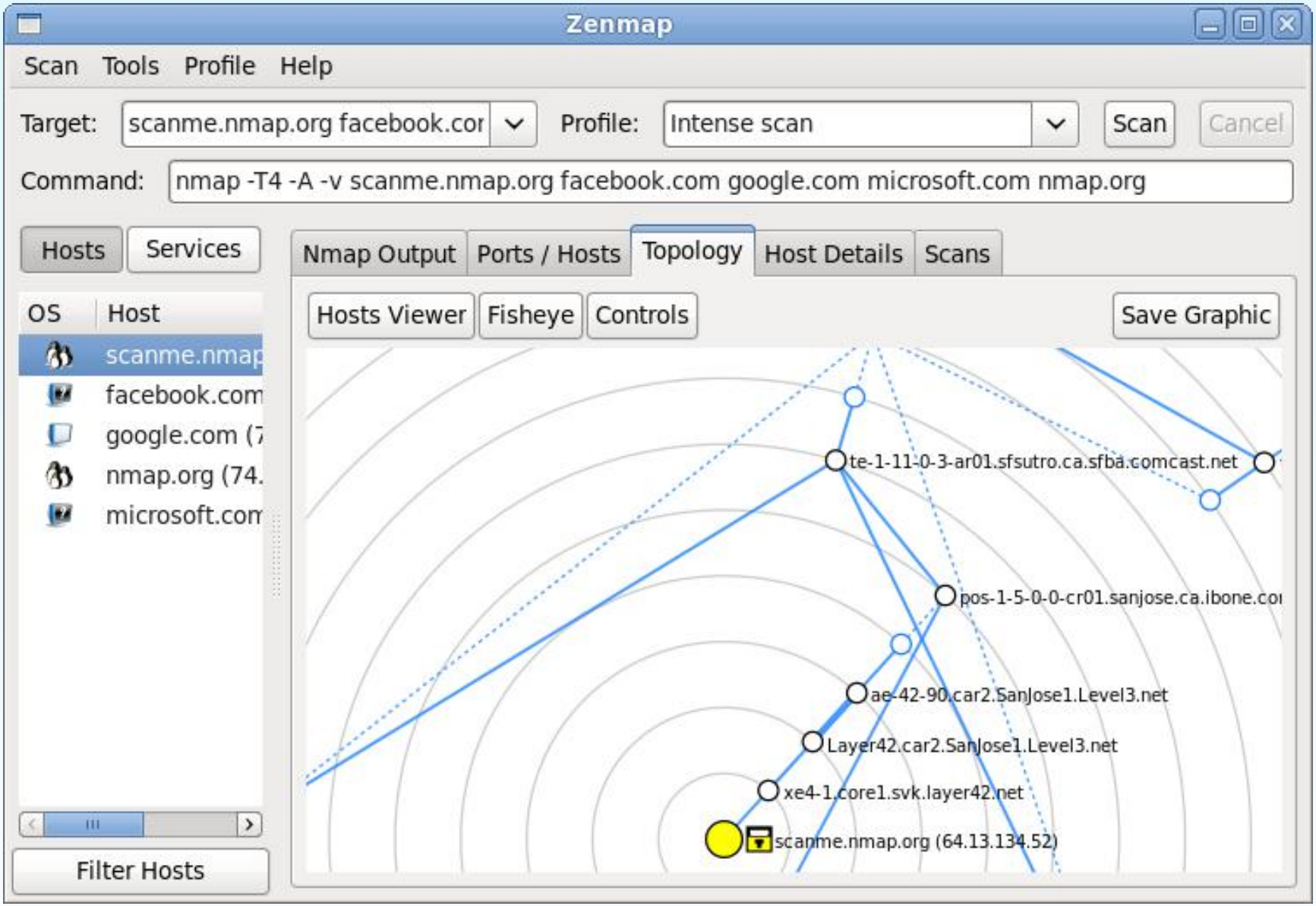
Script Collection Growth



IPv6

- Current status
- World IPv6 Day Commemorative Release: http://bit.ly/nmapv6
- Future plans
- Demo

Zenmap GUI


Zenmap
Scan Tools Profile Help
Target: scanme.nmap.org facebook.cor
Profile: Intense scan
Scan
Cancel
Command: nmap -T4 -A -v scanme.nmap.org facebook.com google.com microsoft.com nmap.org
Hosts
Services
OS
Host
scanme.nmap
facebook.com
google.com (7
nmap.org (74.
microsoft.com
Filter Hosts
Nmap Output
Ports / Hosts
Topology
Host Details
Scans
Hosts Viewer
Fisheye
Controls
Save Graphic
te-1-11-0-3-ar01.sfsutro.ca.sfba.comcast.net
pos-1-5-0-0-cr01.sanjose.ca.ibone.cor
ae-42-90.car2.SanJose1.Level3.net
Layer42.car2.SanJose1.Level3.net
xe4-1.core1.svk.layer42.net
scanme.nmap.org (64.13.134.52)

Ndiff

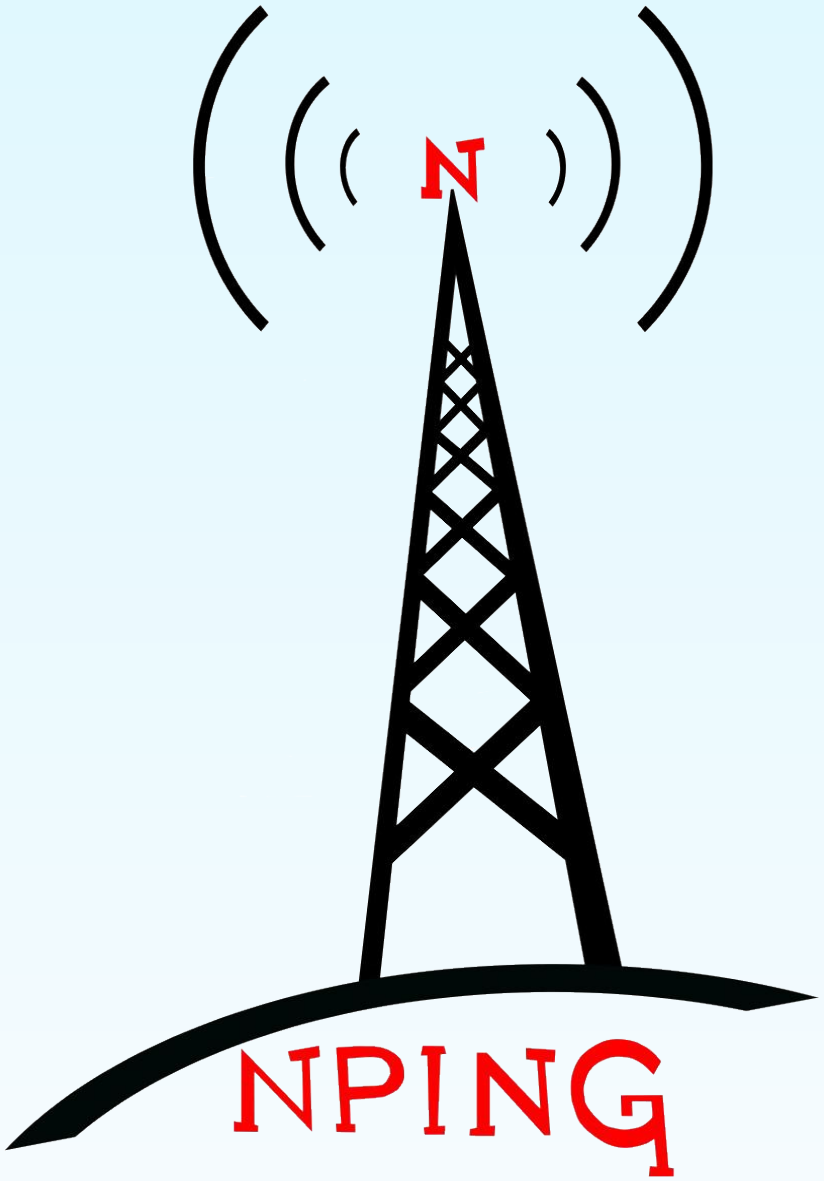
```
# ndiff facebook-072410.xml facebook-072510.xml
69.63.176.68:
 PORT   STATE SERVICE VERSION
-80/tcp open  http    lighttpd 1.5.0
+80/tcp open  http    nginx

 video-ssl-03-06-ash1.fbcdn.net (69.63.186.53):
 PORT    STATE SERVICE  VERSION
-443/tcp open  ssl/http lighttpd 1.5.0
+443/tcp open  ssl/http nginx

 legacymail.thefacebook.com (66.220.144.49):
 PORT    STATE SERVICE  VERSION
 443/tcp open  ssl/http Microsoft IIS httpd 6.0
 |  html-title: Document Moved
-|_ Did not follow redirect to
https://mail.thefacebook.com/exchange
+|_ Did not follow redirect to
https://mail.thefacebook.com/exchange/
```

Ncat

http://nmap.org/ncat/


N
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Resources:
Download Nmap for free: http://nmap.org
Contact me: fyodor@insecure.org
Slides for this talk: http://nmap.org/presentations

Questions?