

The Honeynet

P R O J E C T

**HonEeeBox – Rapid Deployment of
Many Distributed Low Interaction
Malware Collectors**

AusCERT 2009

David Watson

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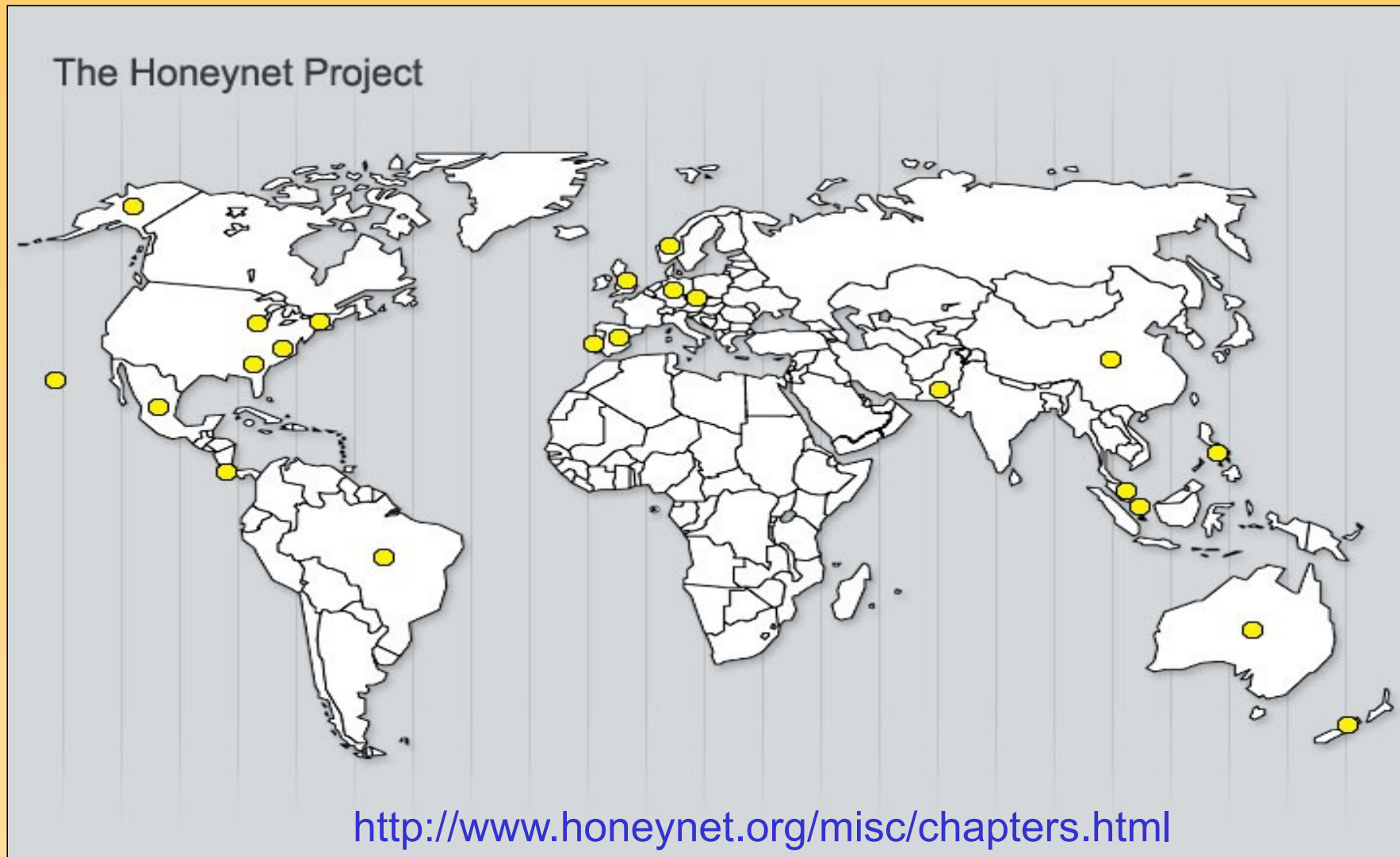


Speaker



- **David Watson (UK)**
 - 14 years managed services industry and consultancy
 - Solaris, IP Networking, Firewalls, PenTest background
 - Led the UK HoneyNet Project since 2003
 - HoneyNet Project Chief Research Officer / Director
 - Shadowserver Foundation member
 - Developed bootable system prototypes, Honeystick, version 0.x of Honeysnap analysis tool, co-authored "KYE: Phishing", KYE reviewer / editor
 - GDH lead developer & project manager
 - Director of UK open source consultancy Isotoma Ltd.

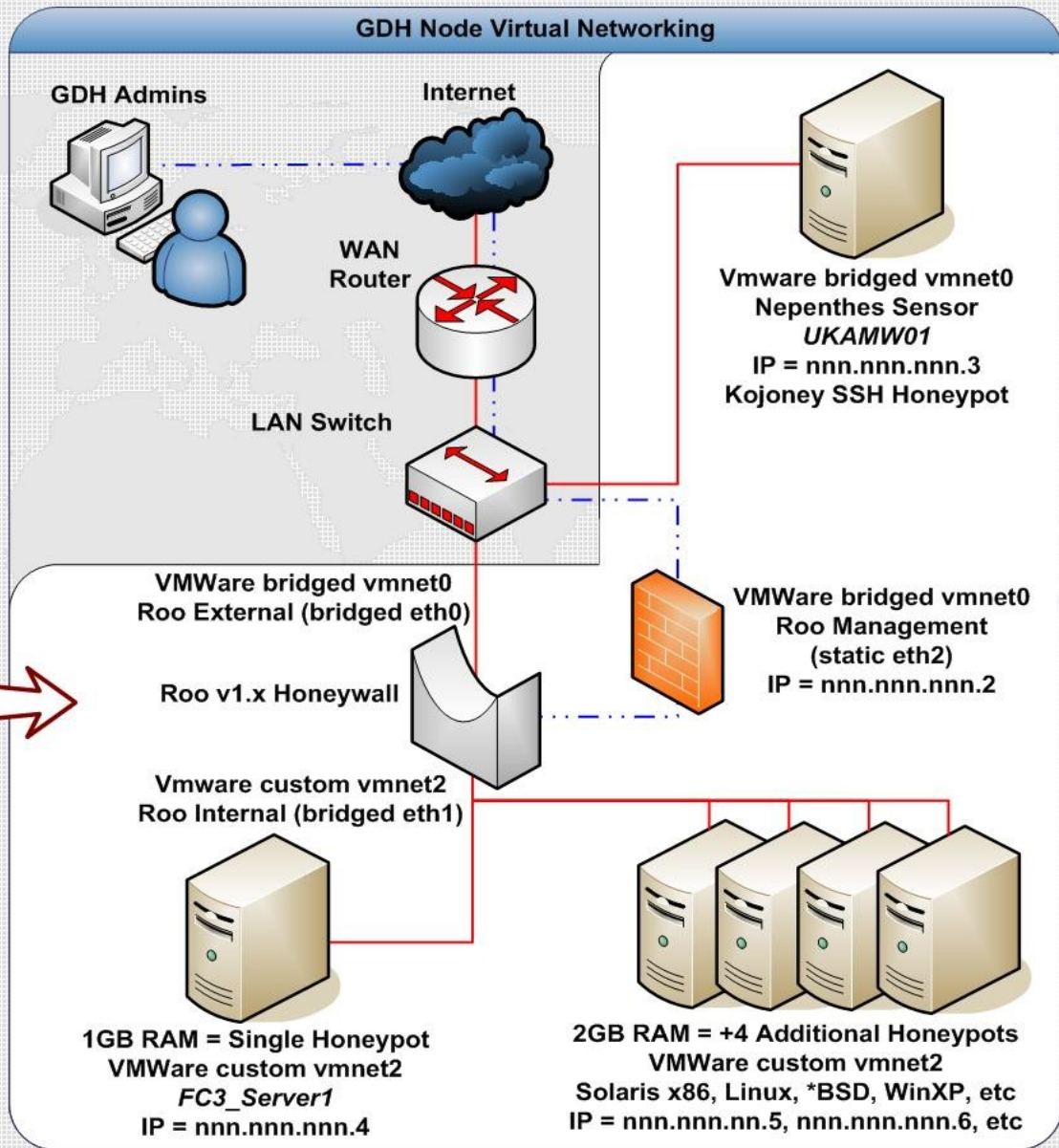
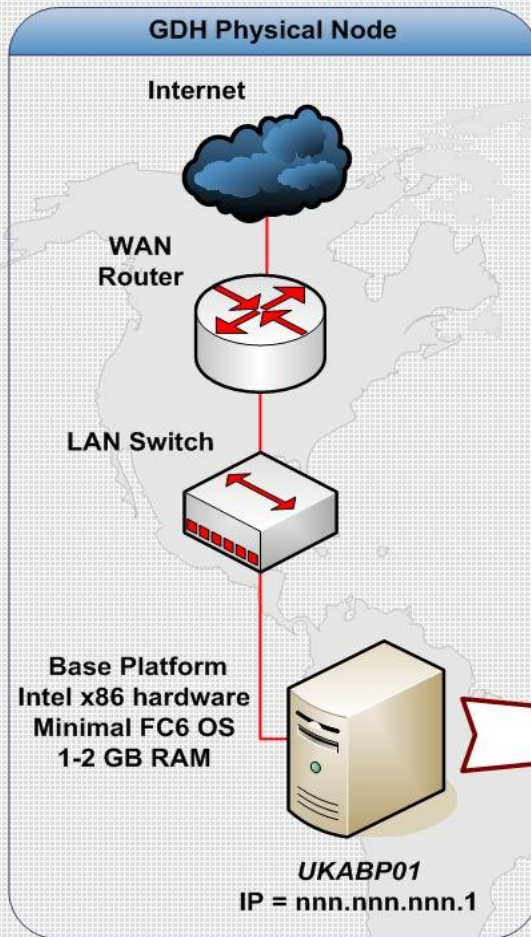
25 International Chapters



GDH Phases 1 and 2

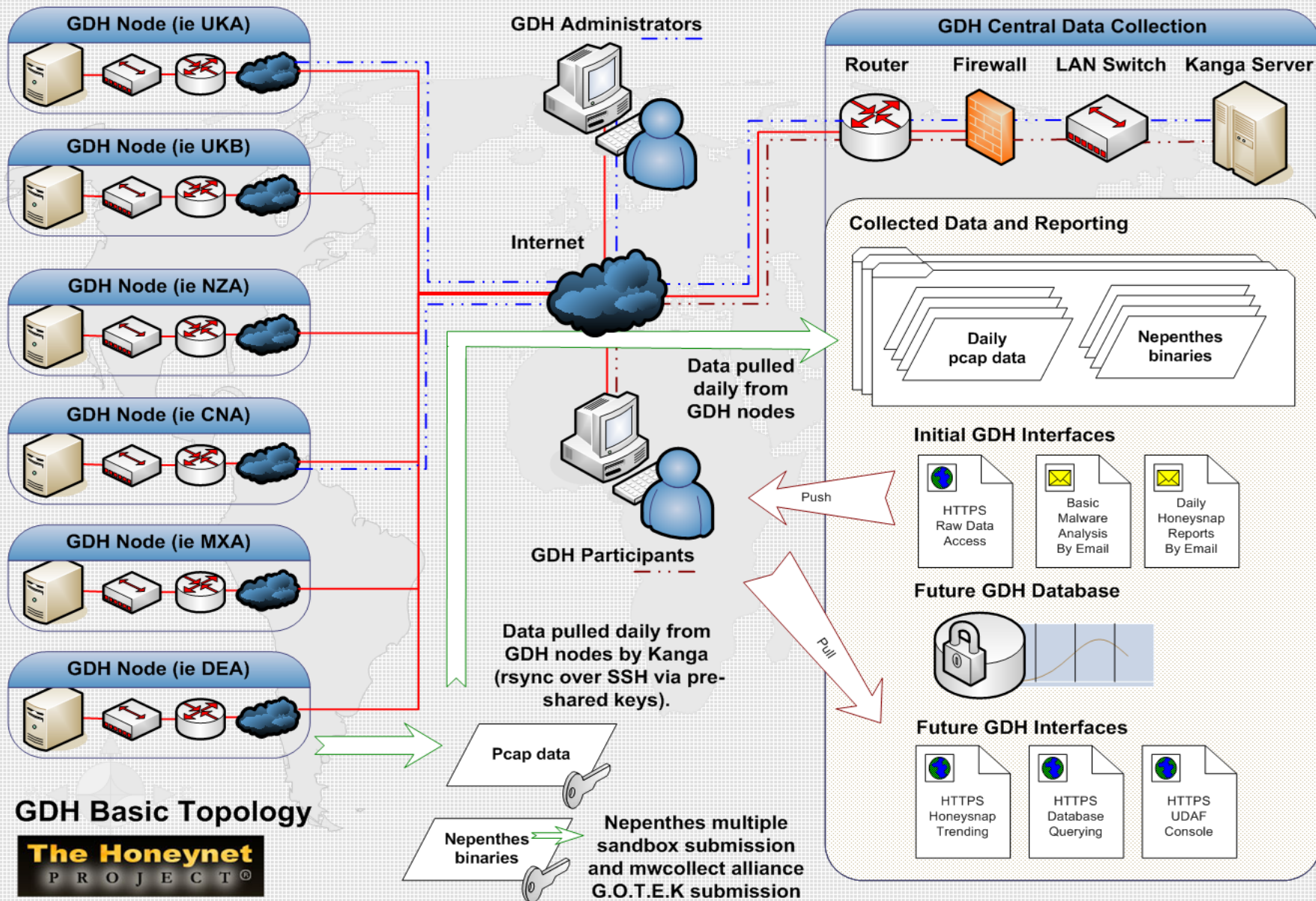
- Global Distributed Honeynet (GDH)
- Previous efforts to deploy and operate long running standardised low and high interaction virtual honeynets
- Multiple identical international nodes
- Centralised data collection and analysis (DA)
- Human analysts responding to incidents
- GDH1 voted best talk at PacSec 2007
- Ongoing R&D effort, continuing in 2009/2010

http://www.ukhoneynet.org/PacSec07_David_Watson_Global_Distributed_Honeynet.pdf



GDH Node Detail

The Honeynet
PROJECT®

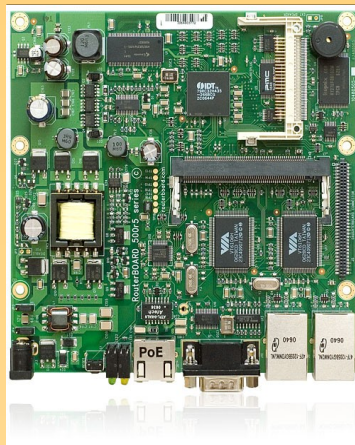


New “HonEeeBox” Project

- Build small, cheap, highly portable low interaction honeypots for distributed malware collection to a central location
- Deploy widely and internationally (100's)
- Anonymous central sample submission
- 'Outsource' malware binary analysis to Shadowserver, VirusTotal, etc
- Focus development on reporting and analysis UI, then improving data analysis
- Also add netflow and p0f data recording

Embedded Nepenthes

- Spent a fair bit of time building embedded Nepenthes sensors on many platforms



OpenWrt
Wireless Freedom

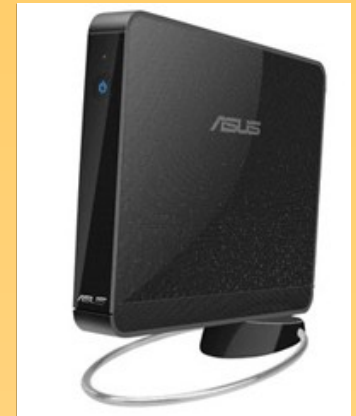


<http://www.ukhoney.net.org/category/howto>

Embedded Sensors Pros/Cons

- ✓ Consumer hardware
- ✓ Cheap
- ✓ Small
- ✓ Quiet
- ✓ Low power
- ✓ Reliable
- ✓ Easy to ship
- ✓ Minimal footprint
- x Cross compiling
- x Slow development
- x Endian-ness
- x Capacity
- x Performance
- x Poor console / UI
- x Upgrade re-flash
- x Making bricks!

Asus Eee PC Box (B202)



- Best of both worlds
- Intel Atom x86 CPU
- 1.6 GHz HT
- 1GB RAM
- 160GB hard disk
- Standard PC I/O
- Hardware warranty
- Comparable price
- Still small, quiet, low power, easy to ship
- Normal Linux distros
- Simple to reinstall
- Update from image
- Upgrade from repos

HonEeeBox

- Scripts to build a bootable ISO or USB image:
 - Live CD sensor
 - Live CD sensor with disk persistence
 - Live USB sensor
 - Live USB sensor with disk persistence
 - Virtual appliance
 - Hard disk installation (ideally to Eee Box PC)
 - SHDC card installation, no moving parts

HonEeeBox

- Minimal Debian-Live system (Lenny 5.0)
- Custom Nepenthes .deb created from the current Nepenthes release in svn
- DHCP plus automatic live CD login
- Patch and upgrade on the fly via apt
- Permanent installation prompts for locale, network configuration, etc as normal
- Basic anonymous HTTPS submission

The Honeyne

P R O J E C T



shadowserver

Press F1 for help, or ENTER to boot: _

```
admin@debian:~$ ps -ef | grep nepen
```

```
root      2612      1  0 08:28 ?          00:00:00 /opt/nepenthes/bin/nepenthes --[PWRFF]
```

```
ser=nepenthes --group=nepenthes
```

```
admin      2703  2667  0 08:31 tty1      00:00:00 grep nepen
```

```
admin@debian:~$
```

```
admin@debian:~$
```

```
admin@debian:~$ tail /opt/nepenthes/var/log/nepenthes.log
```

```
26022009 08:28:07 info sc module1 Loading signatures from file
nes/signatures/shellcode-signatures.sc
```

```
26022009 08:28:08 debug info fixme1 Logfile var/log/nepenthes.
now 101:103 (nepenthes:nepenthes)
```

```
26022009 08:28:08 crit mgr1 Compiled without support for capab
o run capabilities
```

```
26022009 08:28:08 info mgr1 Process groupid 103
```

```
26022009 08:28:08 info mgr1 Process userid 101
```

```
admin@debian:~$ _
```

```
begin: Setting up locales ... Generating locales (this might take a while)...
en_US.UTF-8... done
generation complete.
done.
begin: Setting up automatic login ... done.
begin: Setting up console keyboard ... done.
begin: Configuring gnome-panel-data ... done.
begin: Configuring screensaver ... done.
begin: Preconfiguring /etc/modules ... done.
begin: Preconfiguring networking ... done.
begin: Running /scripts/init-bottom ... done.
INIT: version 2.86 booting
Starting the hotplug events dispatcher: udevd[ 8.512504] udevd version 125 s
rted

Synthesizing the initial hotplug events...done.
Waiting for /dev to be fully populated...[ 8.873512] Linux apgpart interface
0.103
8.876631] apgpart: Detected an Intel 440BX Chipset.
8.876706] apgpart: AGP aperture is 256M @ 0x0
8.884715] pci_hotplug: PCI Hot Plug PCI Core version: 0.5
8.884984] shpchp: Standard Hot Plug PCI Controller Driver version: 0.4
8.884984] shpchp: Standard Hot Plug PCI Controller Driver version: 0.4
as /class/input/input1
```

[!!] Choose language

Please choose the language used for the installation process. This language will be the default language for the final system.

Choose a language:

C	- No localization
Albanian	- Shqip
Arabic	- عربي
Basque	- Euskara
Belarusian	- Беларуская
Bosnian	- Bosanski
Bulgarian	- Български
Catalan	- Català
Chinese (Simplified)	- 中文(简体)
Chinese (Traditional)	- 中文(繁體)
Croatian	- Hrvatski
Czech	- Čeština
Danish	- Dansk
Dutch	- Nederlands
English	- English
Esperanto	- Esperanto

<Go Back>

<Tab> moves between items; <Space> selects; <Enter> activates buttons

HonEeeBox Participation

- 1+ public IP addresses (more is better)
- 1+ networked x86 PC/server(s) to boot ISO or USB key **or** space to host HonEeeBox sensor hardware
- Be willing to submit basic attack data
(SRC IP, download URL, MD5, timestamp, binary, etc)
- Be willing to share collected malware samples with all participants and project sponsors
- Submissions from existing Nepenthes sensors
- Funding for additional sensor deployment
 - Regional, CERT, industry, academic, etc
- Sponsorship ;-)

HonEeBox Summary

Total Attacks: 56 Total Source IPs: 6 Total Target IPs: 1 Total MD5sums: 7

Attacks

ID	Time	Attacker IP	Victim IP	MD5sum	Download
1	20 Mar 2009 17:22:37	70.232.61.243	64.236.114.1	1a2c0e6130850f8fd9b9b5309413cd00	ftp://70.232.61.243
2	20 Mar 2009 17:22:37	64.236.114.1	64.236.114.1	e399196c959235c23f71ac2c5ab1192d	ftp://1:1088.204.18
3	20 Mar 2009 17:22:37	87.175.58.187	64.236.114.1	3875b6257d4d21d51ec13247ee4c1cdb	creceive://87.175.5
4	20 Mar 2009 17:22:37	127.255.255.255	64.236.114.1	8f4e8e31fcd9f9635791ab009defe1b5	creceive://211.200.
5	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	f5f55437982c893ae8b9cb8187d47256	creceive://87.17.73
6	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	11d31a4ebd7260193ffe8da9bb79156a	creceive://87.17.73
7	20 Mar 2009 17:22:37	118.165.49.147	64.236.114.1	e8d4d8cde15ef310305955c943c0d1c2	ftp://a:a@118.165.4
8	20 Mar 2009 17:22:37	70.232.61.243	64.236.114.1	1a2c0e6130850f8fd9b9b5309413cd00	ftp://70.232.61.243
9	20 Mar 2009 17:22:37	64.236.114.1	64.236.114.1	e399196c959235c23f71ac2c5ab1192d	ftp://1:1088.204.18
10	20 Mar 2009 17:22:37	87.175.58.187	64.236.114.1	3875b6257d4d21d51ec13247ee4c1cdb	creceive://87.175.5
11	20 Mar 2009 17:22:37	127.255.255.255	64.236.114.1	8f4e8e31fcd9f9635791ab009defe1b5	creceive://211.200.
12	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	f5f55437982c893ae8b9cb8187d47256	creceive://87.17.73
13	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	11d31a4ebd7260193ffe8da9bb79156a	creceive://87.17.73
14	20 Mar 2009 17:22:37	118.165.49.147	64.236.114.1	e8d4d8cde15ef310305955c943c0d1c2	ftp://a:a@118.165.4
15	20 Mar 2009 17:22:37	70.232.61.243	64.236.114.1	1a2c0e6130850f8fd9b9b5309413cd00	ftp://70.232.61.243
16	20 Mar 2009 17:22:37	64.236.114.1	64.236.114.1	e399196c959235c23f71ac2c5ab1192d	ftp://1:1088.204.18
17	20 Mar 2009 17:22:37	87.175.58.187	64.236.114.1	3875b6257d4d21d51ec13247ee4c1cdb	creceive://87.175.5
18	20 Mar 2009 17:22:37	127.255.255.255	64.236.114.1	8f4e8e31fcd9f9635791ab009defe1b5	creceive://211.200.
19	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	f5f55437982c893ae8b9cb8187d47256	creceive://87.17.73

Page 1 of 3 IP: MD5: Rows 1 - 20 of 56

Attack Detail

ID: 2

Time: 1235924337

Sensor: 64.236.114.1

Download: ftp://1:1@88.204.183.126:7293/netlibrary.exe

Trigger: ftp://1:1@88.204.183.126:7293/netlibrary.exe

MD5sum: e399196c959235c23f71ac2c5ab1192d

SHA512: d41821a576642131e32645afc3d531dca5f6d4a09a76ad0ce71a7d49021c6906

File Type: PE32 executable for MS Windows (GUI) Intel 80386 32-bit

Attacker IP: 1089237505

Victim IP: 1089237505

Filename: netlibrary.exe

Country: FR

ISP: Vodafone FR

ASN: 5142

Google Map

Google Earth Sandbox Anti-Virus Graphs PicViz Heatmap Cuttlefish



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Attacks

ID	Time	Attacker IP	Victim IP	MD5sum	Download
1	20 Mar 2009 17:22:37	70.232.61.243	64.236.114.1	1a2c0e6130850f8fd9b9b5309413cd00	ftp://70.232.61.243:5554/16745_up.exe
2	20 Mar 2009 17:22:37	64.236.114.1	64.236.114.1	e399196c959235c23f71ac2c5ab1192d	ftp://1.1088.204.183.126:7293/netlibrary.exe
3	20 Mar 2009 17:22:37	87.175.58.187	64.236.114.1	3875b6257d4d21d51ec13247ee4c1cdb	creceive://87.175.58.187:4652
4	20 Mar 2009 17:22:37	127.255.255.255	64.236.114.1	8f4e8e31fcd9f9635791ab009defe1b5	creceive://211.200.220.64:3647
5	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	f5f55437982c893ae8b9cb8187d47256	creceive://87.17.73.69:43074
6	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	11d31a4ebd7260193ffe8da9bb79156a	creceive://87.17.73.69:59800
7	20 Mar 2009 17:22:37	118.165.49.147	64.236.114.1	e8d4d8cde15ef310305955c943c0d1c2	ftp://a:a@118.165.49.147:2866/ixdfdfds.com
8	20 Mar 2009 17:22:37	70.232.61.243	64.236.114.1	1a2c0e6130850f8fd9b9b5309413cd00	ftp://70.232.61.243:5554/16745_up.exe
9	20 Mar 2009 17:22:37	64.236.114.1	64.236.114.1	e399196c959235c23f71ac2c5ab1192d	ftp://1.1088.204.183.126:7293/netlibrary.exe
10	20 Mar 2009 17:22:37	87.175.58.187	64.236.114.1	3875b6257d4d21d51ec13247ee4c1cdb	creceive://87.175.58.187:4652
11	20 Mar 2009 17:22:37	127.255.255.255	64.236.114.1	8f4e8e31fcd9f9635791ab009defe1b5	creceive://211.200.220.64:3647
12	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	f5f55437982c893ae8b9cb8187d47256	creceive://87.17.73.69:43074
13	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	11d31a4ebd7260193ffe8da9bb79156a	creceive://87.17.73.69:59800
14	20 Mar 2009 17:22:37	118.165.49.147	64.236.114.1	e8d4d8cde15ef310305955c943c0d1c2	ftp://a:a@118.165.49.147:2866/ixdfdfds.com
15	20 Mar 2009 17:22:37	70.232.61.243	64.236.114.1	1a2c0e6130850f8fd9b9b5309413cd00	ftp://70.232.61.243:5554/16745_up.exe
16	20 Mar 2009 17:22:37	64.236.114.1	64.236.114.1	e399196c959235c23f71ac2c5ab1192d	ftp://1.1088.204.183.126:7293/netlibrary.exe
17	20 Mar 2009 17:22:37	87.175.58.187	64.236.114.1	3875b6257d4d21d51ec13247ee4c1cdb	creceive://87.175.58.187:4652
18	20 Mar 2009 17:22:37	127.255.255.255	64.236.114.1	8f4e8e31fcd9f9635791ab009defe1b5	creceive://211.200.220.64:3647
19	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	f5f55437982c893ae8b9cb8187d47256	creceive://87.17.73.69:43074

Page 1 of 3 IP: MD5: Rows 1 - 20 of 56

Attack Detail

ID:	3
Time:	1236003748
Sensor:	64.236.114.1
Download:	creceive://87.175.58.187:4652
Trigger:	creceive://87.175.58.187:4652
MD5sum:	3875b6257d4d21d51ec13247ee4c1cdb
SHA512:	5e60dd302d73e64b2a4c7e3d7e22b684028a6d5a719c7869891783f5f86e2cf3
File Type:	PE32 executable for MS Windows (GUI) Intel 80386 32-bit
Attacker IP:	1471101627
Victim IP:	1089237505
Filename:	index.html
Country:	BR
ISP:	Centrica Internet
ASN:	3310

Google Map Google Earth Sandbox **Anti-Virus** Graphs PicViz Heatmap Cuttiefish

File Sasser.B.exe.vir received on 02.16.2009 14:12:41 (CET)

Current status: finished


































Result: 38/39 (97.44%)

Compact

Print results

Antivirus	Version	Last Update	Result
a-squared	-	-	Net-Worm.Win32.Sasser.IIK
AhnLab-V3	-	-	Win32/Sasser.worm.15872.B
AntiVir	-	-	Worm/Sasser.B
Authentium	-	-	W32/IRCBotX.BRM
Avast	-	-	Win32/Sasser-N
AVG	-	-	Obfustat.KWY
BitDefender	-	-	Win32.Worm.Sasser.B
CAT-QuickHeal	-	-	W32.Sasser.B
ClamAV	-	-	Worm.Sasser.B
Comodo	-	-	Worm.Win32.Sasser.B
DrWeb	-	-	Win32.HLLW.Jobaka
eSafe	-	-	-
eTrust-Vet	-	-	Win32/Sasser.B
F-Prot	-	-	W32/IRCBotX.BRM
F-Secure	-	-	Net-Worm:W32/Sasser.A
Fortinet	-	-	W32/Sasser.B
GData	-	-	Win32.Worm.Sasser.B
Ikarus	-	-	Net-Worm.Win32.Sasser
K7AntiVirus	-	-	Net-Worm.Win32.Sasser.a
Kaspersky	-	-	Net-Worm.Win32.Sasser.a
McAfee	-	-	W32/Sasser.worm.b
McAfee-Artemis	-	-	W32/Sasser.worm.b
Microsoft	-	-	Worm:Win32/Sasser.dam
NOD32	-	-	Win32/Sasser.B
Norman	-	-	Sasser.B
nProtect	-	-	Win32.Worm.Sasser.B

Total Attacks: 56  Total Source IPs: 6  Total Target IPs: 1  Total MD5sums: 7 

Attacks						
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1	20 Mar 2009 17:22:37	 70.232.61.243	 64.236.114.1	1a2c0e6130850f8fd9b9b5309413cd00	ftp://70.232.61.243	
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3	20 Mar 2009 17:22:37	 87.175.58.187	 64.236.114.1	3875b6257d4d21d51ec13247ee4c1cbd	creceive://87.175.58.187	
4	20 Mar 2009 17:22:37	 127.255.255.255	 64.236.114.1	8f4e8e31fcdbf9635791ab009defe1b5	creceive://211.200.173.69	
5	20 Mar 2009 17:22:37	 87.17.73.69	 64.236.114.1	f5f5437982c893ae8b9cb187d47256	creceive://87.17.73.69	
6	20 Mar 2009 17:22:37	 87.17.73.69	 64.236.114.1	11d31a4ebd7260193ffe8da9bb79156a	creceive://87.17.73.69	
7	20 Mar 2009 17:22:37	 118.165.49.147	 64.236.114.1	e8d4d8cde15ef310305955c943c0d1c2	ftp://a:a0118.165.49.147	
8	20 Mar 2009 17:22:37	 70.232.61.243	 64.236.114.1	1a2c0e6130850f8fd9b9b5309413cd00	ftp://70.232.61.243	
9	20 Mar 2009 17:22:37	 64.236.114.1	 64.236.114.1	e399196c959235c23f71ac2c5ab1192d	ftp://1:1088.204.18	
10	20 Mar 2009 17:22:37	 87.175.58.187	 64.236.114.1	3875b6257d4d21d51ec13247ee4c1cbd	creceive://87.175.58.187	
11	20 Mar 2009 17:22:37	 127.255.255.255	 64.236.114.1	8f4e8e31fcdbf9635791ab009defe1b5	creceive://211.200.173.69	
12	20 Mar 2009 17:22:37	 87.17.73.69	 64.236.114.1	f5f5437982c893ae8b9cb187d47256	creceive://87.17.73.69	
13	20 Mar 2009 17:22:37	 87.17.73.69	 64.236.114.1	11d31a4ebd7260193ffe8da9bb79156a	creceive://87.17.73.69	
14	20 Mar 2009 17:22:37	 118.165.49.147	 64.236.114.1	e8d4d8cde15ef310305955c943c0d1c2	ftp://a:a0118.165.49.147	
15	20 Mar 2009 17:22:37	 70.232.61.243	 64.236.114.1	1a2c0e6130850f8fd9b9b5309413cd00	ftp://70.232.61.243	
16	20 Mar 2009 17:22:37	 64.236.114.1	 64.236.114.1	e399196c959235c23f71ac2c5ab1192d	ftp://1:1088.204.18	
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19	20 Mar 2009 17:22:37	 87.17.73.69	 64.236.114.1	f5f5437982c893ae8b9cb187d47256	creceive://87.17.73.69	

Attack Detail

ID:	15
Time:	1235801109
Sensor:	64.236.114.1
Download:	ftp://70.232.61.243:5554/16745_up.exe
Trigger:	ftp://anonymous.bin@192.168.1.64:5554/16745_up.exe
MD5sum:	1a2c0e6130850f8fd9b9b5309413cd00
SHA512:	8e1e40dedb4aa57ae5c89a75aca26a813ce5622e371049ddbc916552d1c00b48
File Type:	PE32 executable for MS Windows (GUI) Intel 80386 32-bit
Attacker IP:	1189625331
Victim IP:	1089237505
Filename:	16745_up.exe
Country:	US
ISP:	AOL
ASN:	1331

Google Map	Google Earth	Sandbox	Anti-Virus	Graphs	Pic/Viz	Heatmap	Cuttlefish
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Scan Summary	File Changes	Reg
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<div> <div></div> <div>Technical Details</div> </div>	
Analysis Number	1
Parent ID	0
Process ID	1340
Filename	H:\EuTeAmo.exe
Filesize	222720 bytes
MD5	79e2133fcc5b201b89a6680a7d289f6f
Start Reason	AnalysisTarget
Termination Reason	NormalTermination
Start Time	00:00.750
Stop Time	00:54.453
Detection	OK (ClamAV)
COM	COM Create Instance: H:\WINDOWS\system32\ieframe.dll, ProgID: (), Interface ID: ({000214E6-0... COM Create Instance: H:\WINDOWS\system32\urlmon.dll, ProgID: (), Interface ID: ({886D8EEB-8...
DLL-Handling	Loaded DLLs H:\WINDOWS\system32\ntdll.dll H:\WINDOWS\system32\kernel32.dll H:\WINDOWS\system32\advapi32.dll H:\WINDOWS\system32\RPCRT4.dll H:\WINDOWS\system32\Secur32.dll H:\WINDOWS\system32\comctl32.dll H:\WINDOWS\system32\GDI32.dll H:\WINDOWS\system32\USER32.dll H:\WINDOWS\system32\oleaut32.dll H:\WINDOWS\system32\msvcrt.dll H:\WINDOWS\system32\ole32.dll H:\WINDOWS\system32\shell32.dll H:\WINDOWS\system32\SHLWAPI.dll H:\WINDOWS\system32\version.dll H:\WINDOWS\system32\IMM32.DLL H:\WINDOWS\WinSxS\x86_Microsoft.Windows.Common-Controls_6595b64144ccf1df_6.0.260... H:\WINDOWS\system32\pstorec.dll H:\WINDOWS\system32\ATL.DLL H:\EuTeAmo.DEU H:\EuTeAmo.DE H:\WINDOWS\system32\uxtheme.dll H:\WINDOWS\system32\msctfime.ime H:\WINDOWS\system32\msctfime.ime H:\WINDOWS\system32\WS2_32.DLL H:\WINDOWS\system32\netapi32.dll H:\WINDOWS\system32\apphelp.dll H:\WINDOWS\system32\urlmon.dll H:\WINDOWS\system32\ieframe.dll H:\WINDOWS\system32\MSCTF.dll
	New Files

HonEeBox Summary

Total Attacks: 56 Total Source IPs: 6 Total Target IPs: 1 Total MD5sums: 7

Attacks

ID	Time	Attacker IP	Victim IP	MD5sum	Download
1	20 Mar 2009 17:22:37	70.232.61.243	64.236.114.1	1a2c0e6130850f8fd9b9b5309413cd00	ftp://70.232.61.243
2	20 Mar 2009 17:22:37	64.236.114.1	64.236.114.1	e399196c959235c23f71ac2c5ab1192d	ftp://1:1088.204.18
3	20 Mar 2009 17:22:37	87.175.58.187	64.236.114.1	3875b6257d4d21d51ec13247ee4c1cdb	creceive://87.175.5
4	20 Mar 2009 17:22:37	127.255.255.255	64.236.114.1	8f4e8e31fcd9f9635791ab009defe1b5	creceive://211.200.
5	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	f5f55437982c893ae8b9cb8187d47256	creceive://87.17.73
6	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	11d31a4ebd7260193ffe8da9bb79156a	creceive://87.17.73
7	20 Mar 2009 17:22:37	118.165.49.147	64.236.114.1	e8d4d8cde15ef310305955c943c0d1c2	ftp://a:a@118.165.4
8	20 Mar 2009 17:22:37	70.232.61.243	64.236.114.1	1a2c0e6130850f8fd9b9b5309413cd00	ftp://70.232.61.243
9	20 Mar 2009 17:22:37	64.236.114.1	64.236.114.1	e399196c959235c23f71ac2c5ab1192d	ftp://1:1088.204.18
10	20 Mar 2009 17:22:37	87.175.58.187	64.236.114.1	3875b6257d4d21d51ec13247ee4c1cdb	creceive://87.175.5
11	20 Mar 2009 17:22:37	127.255.255.255	64.236.114.1	8f4e8e31fcd9f9635791ab009defe1b5	creceive://211.200.
12	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	f5f55437982c893ae8b9cb8187d47256	creceive://87.17.73
13	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	11d31a4ebd7260193ffe8da9bb79156a	creceive://87.17.73
14	20 Mar 2009 17:22:37	118.165.49.147	64.236.114.1	e8d4d8cde15ef310305955c943c0d1c2	ftp://a:a@118.165.4
15	20 Mar 2009 17:22:37	70.232.61.243	64.236.114.1	1a2c0e6130850f8fd9b9b5309413cd00	ftp://70.232.61.243
16	20 Mar 2009 17:22:37	64.236.114.1	64.236.114.1	e399196c959235c23f71ac2c5ab1192d	ftp://1:1088.204.18
17	20 Mar 2009 17:22:37	87.175.58.187	64.236.114.1	3875b6257d4d21d51ec13247ee4c1cdb	creceive://87.175.5
18	20 Mar 2009 17:22:37	127.255.255.255	64.236.114.1	8f4e8e31fcd9f9635791ab009defe1b5	creceive://211.200.
19	20 Mar 2009 17:22:37	87.17.73.69	64.236.114.1	f5f55437982c893ae8b9cb8187d47256	creceive://87.17.73

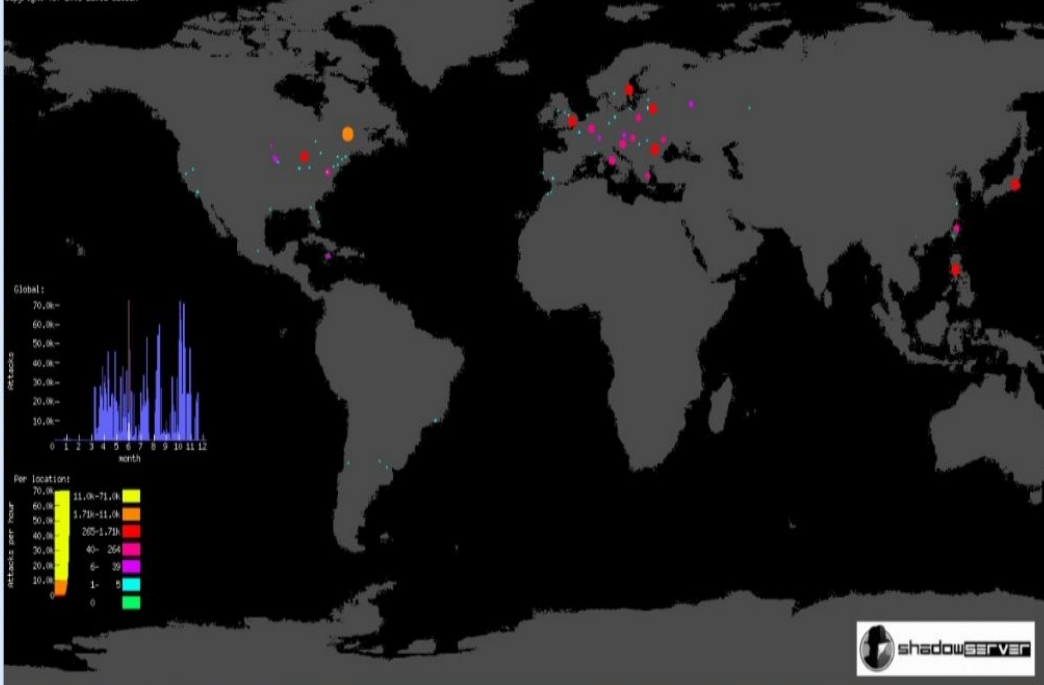
Page 1 of 3 IP: MD5: Rows 1 - 20 of 56

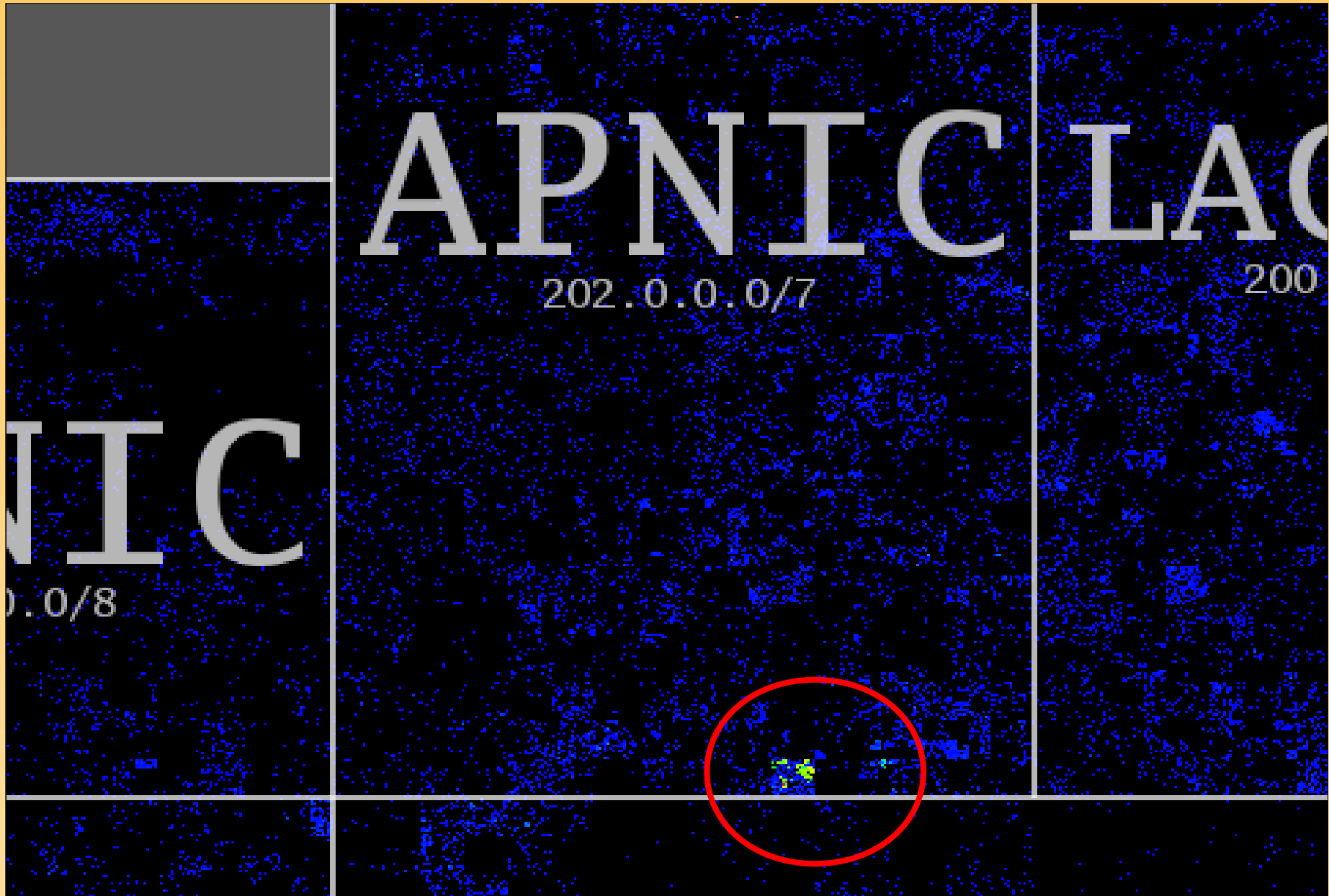
Attack Detail

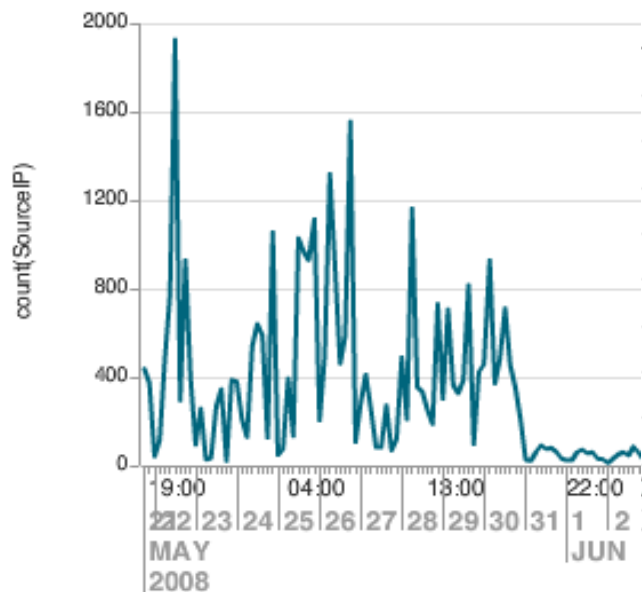
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Time:	1235924337
Sensor:	64.236.114.1
Download:	ftp://1:1@88.204.183.126:7293/netlibary.exe
Trigger:	ftp://1:1@88.204.183.126:7293/netlibary.exe
MD5sum:	e399196c959235c23f71ac2c5ab1192d
SHA512:	d41821a576642131e32645afc3d531dca5f6d4a09a76ad0ce71a7d49021c6906
File Type:	PE32 executable for MS Windows (GUI) Intel 80386 32-bit
Attacker IP:	1089237505
Victim IP:	1089237505
Filename:	netlibary.exe
Country:	FR
ISP:	Vodafone FR
ASN:	5142

Google Map Google Earth Sandbox Anti-Virus Graphs PicViz Heatmap Cuttiefish

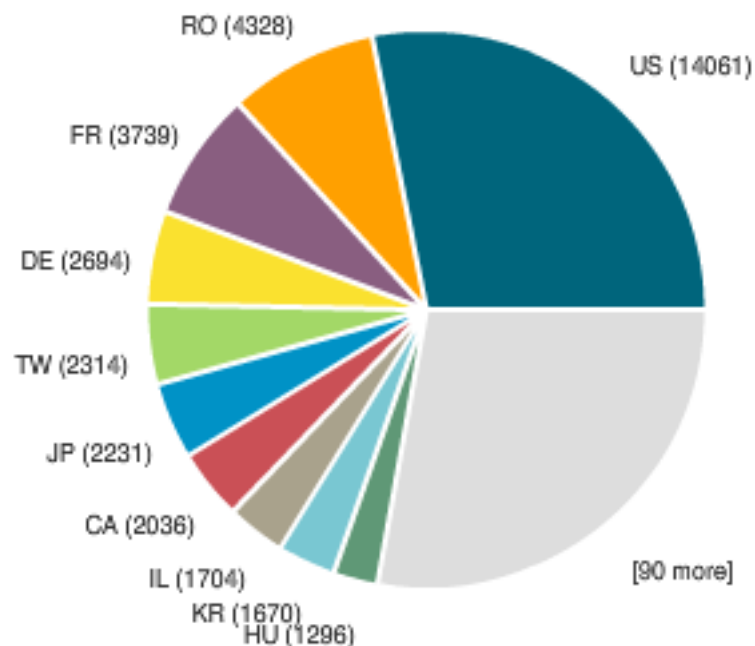
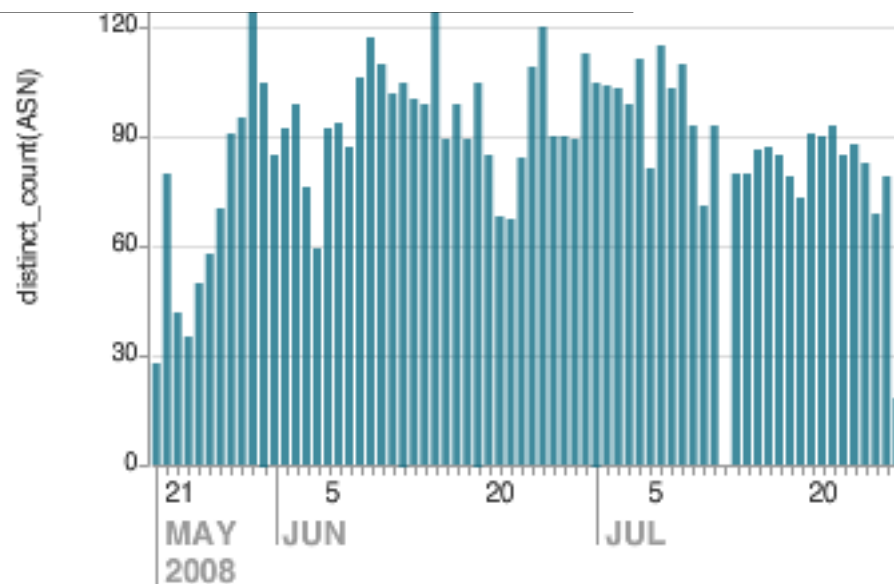
Attacks against Nephthys sensors
2009-03-24 00:00:00 UTC Thursday
Copyright (C) 2008 David Watson



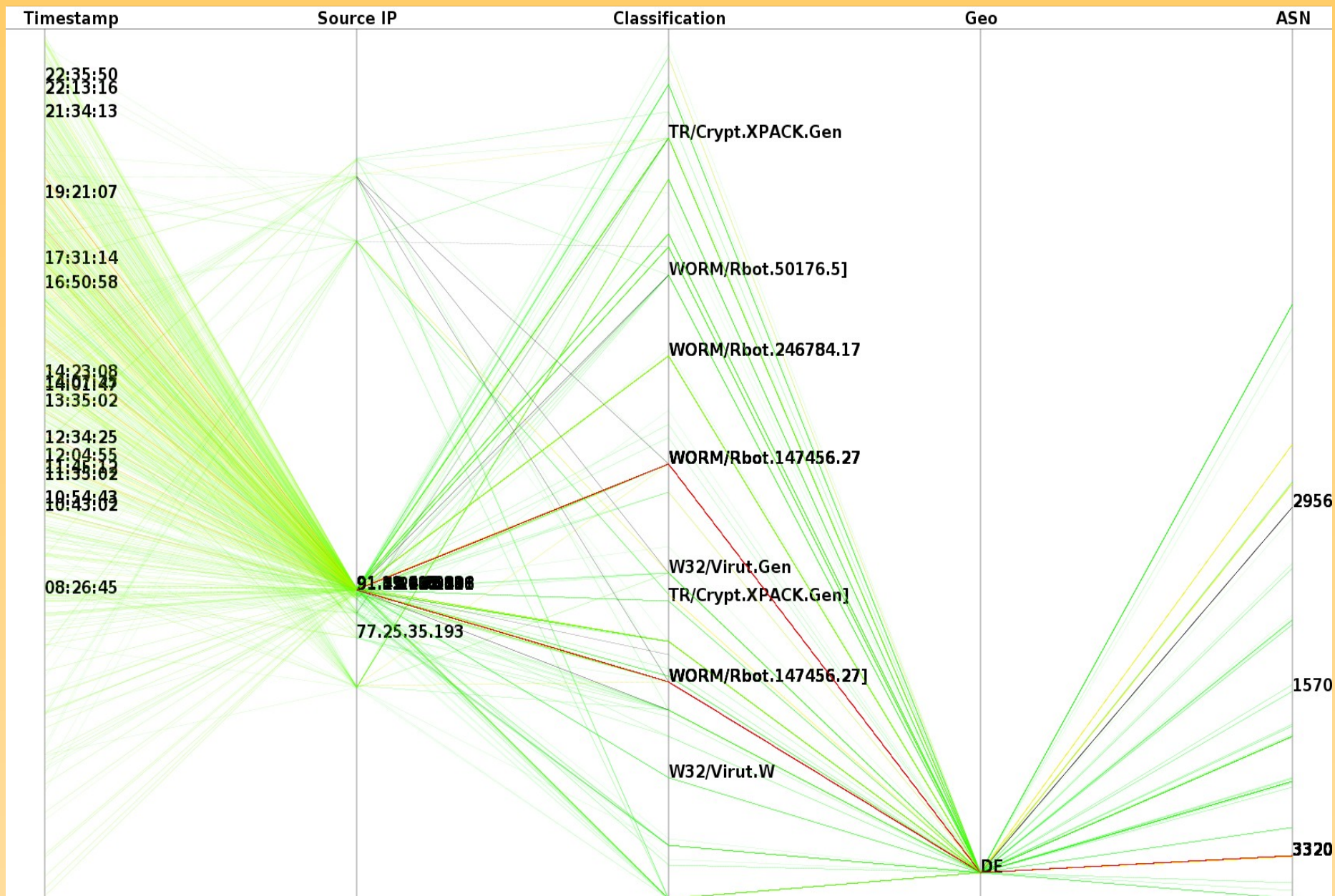




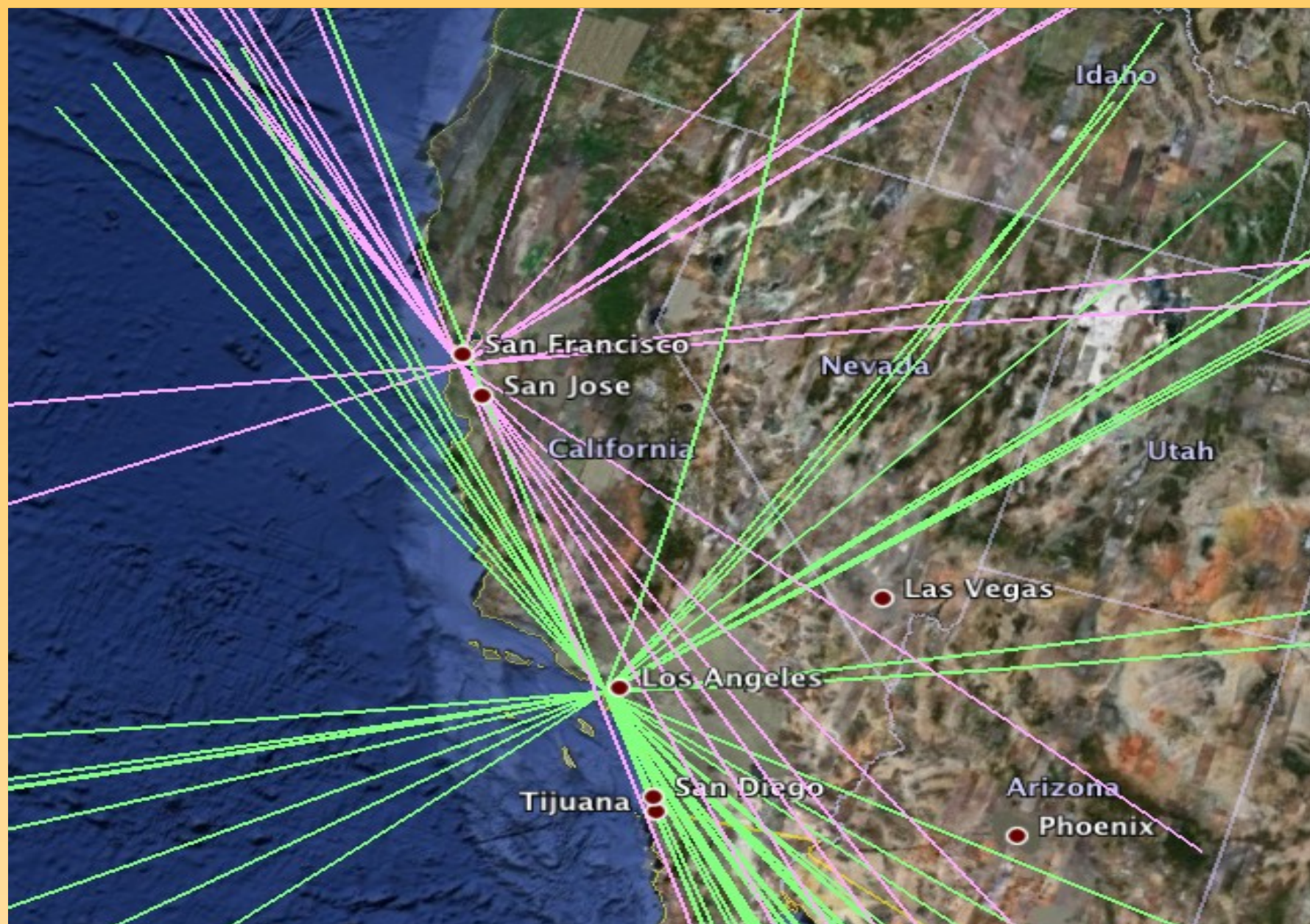
Classification ▾	count ▾	percent ▾
WORM/Allaple.Gen	14228	28.951063
TR/Crypt.XPACK.Gen	9021	18.355886
TR/Crypt.NSPM.Gen	5059	10.294028
WORM/Allaple.Damaged.Gen	2700	5.493946
W32/Virut.N.DR	2375	4.832638
WORM/Rbot.147456.27	1830	3.723675
WORM/Rbot.147456.27]	1774	3.609726
W32/Virut.Gen	1550	3.153932
WORM/Rbot.50176.5	975	1.983925
W32/Virut.W	975	1.983925



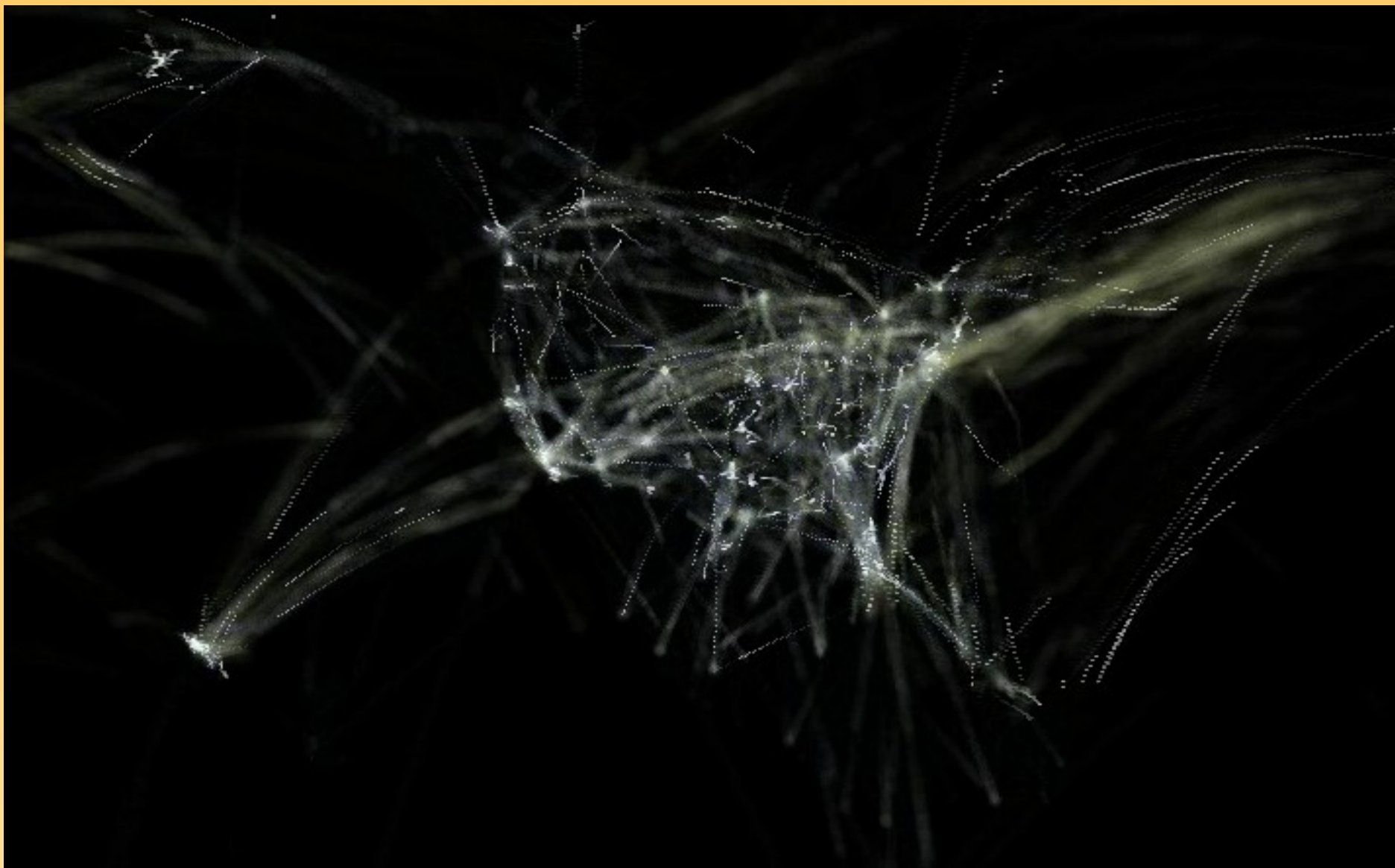
THE HONEYNET PROJECT



David Watson (david@honeynet.org.uk)



David Watson (david@honeynet.org.uk)



The Honeynet

P R O J E C T

**HonEeeBox – Rapid Deployment of
Many Distributed Low Interaction
Malware Collectors**

AusCERT 2009

Any Questions?

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