Affiliate Web-based Malware

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This talk will cover

- A definition of the title
- A look at examples
- A look at defences
- A look at tricks

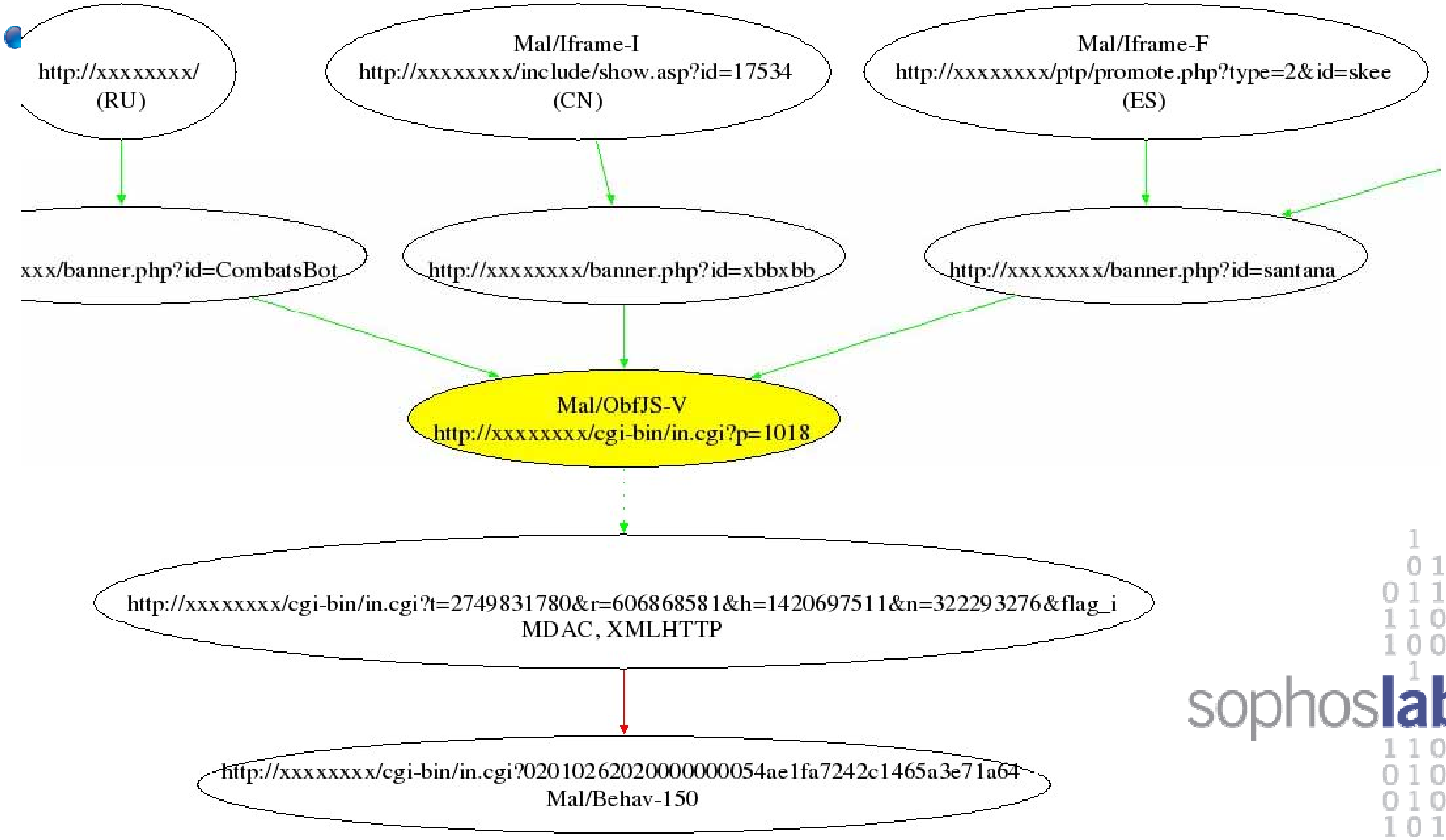
What do we mean by ‘Affiliate Web-based Malware’?

- Affiliate websites
  - Those connected via links for purpose of generating revenue
- Web-based Malware
  - Malware that by design or exploit redirects users to sites that
    - Install malware on the local machine
    - Or generate fictitious clicks on ad-sites

Installing malware on local systems

- By making use of drive-by technology
  - Browser exploits
  - Social engineering

Examples – santana



Mal/Iframe-I
http://xxxxxxxx/include/show.asp?id=17534
(CN)

Mal/Iframe-F
http://xxxxxxxx/ptp/promote.php?type=2&id=skee
(ES)

http://xxxxxxxx/
(RU)

xxx/banner.php?id=CombatsBot

http://xxxxxxxx/banner.php?id=xbbxbb

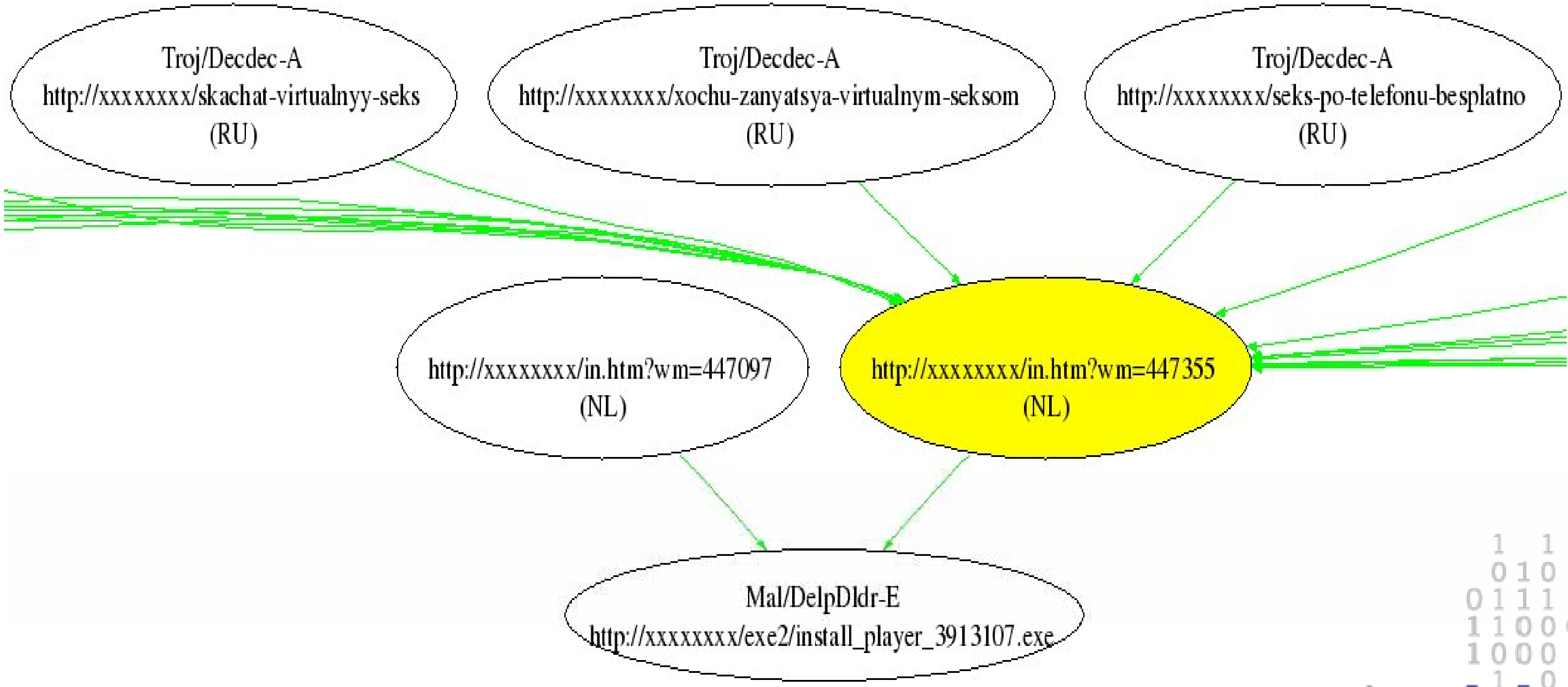
http://xxxxxxxx/banner.php?id=santana

Mal/ObfJS-V
http://xxxxxxxx/cgi-bin/in.cgi?p=1018

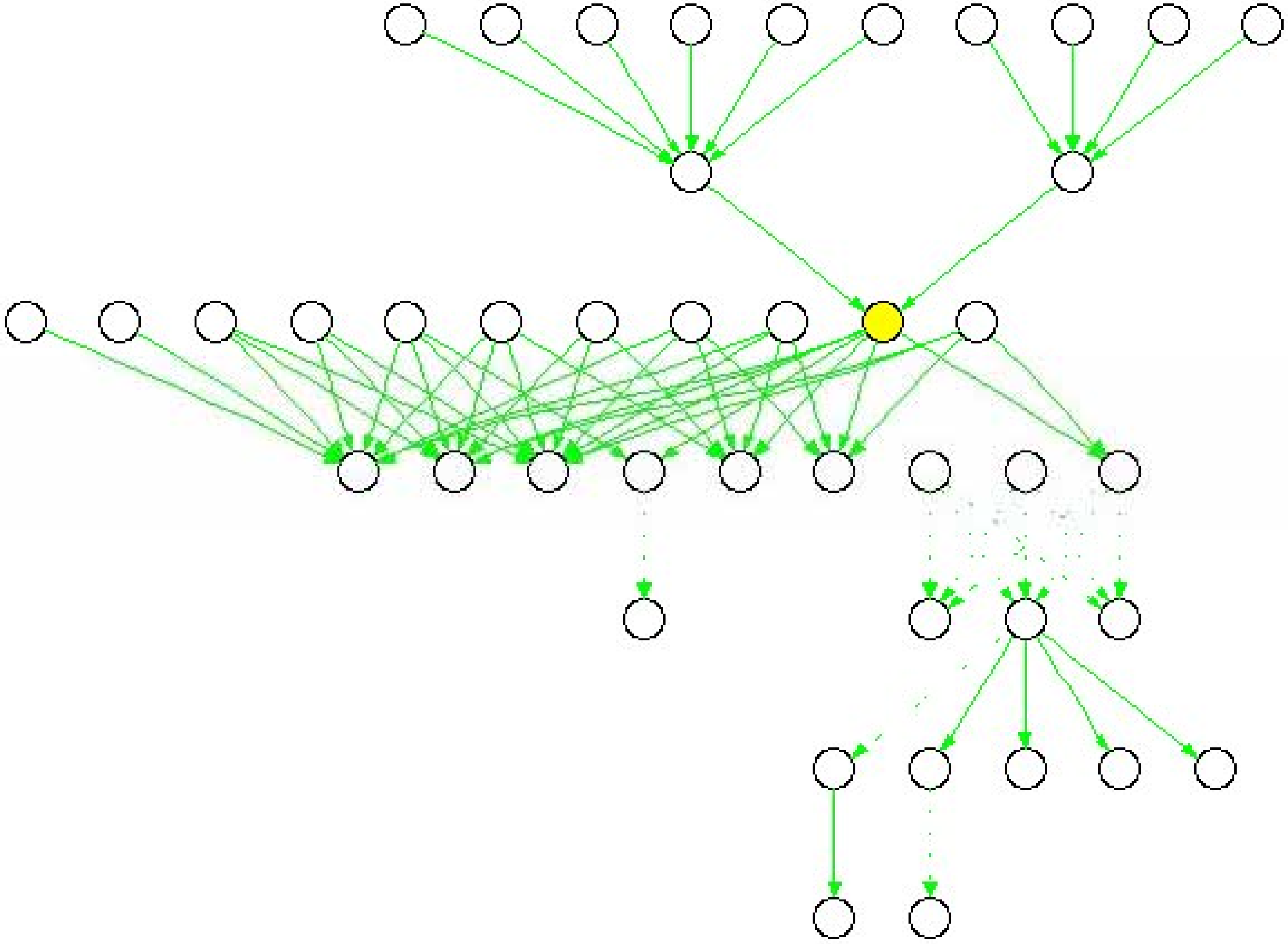
http://xxxxxxxx/cgi-bin/in.cgi?t=2749831780&r=606868581&h=1420697511&n=322293276&flag_i
MDAC, XMLHTTP

http://xxxxxxxx/cgi-bin/in.cgi?020102620200000000054ae1fa7242c1465a3e71a64
Mal/Behav-150

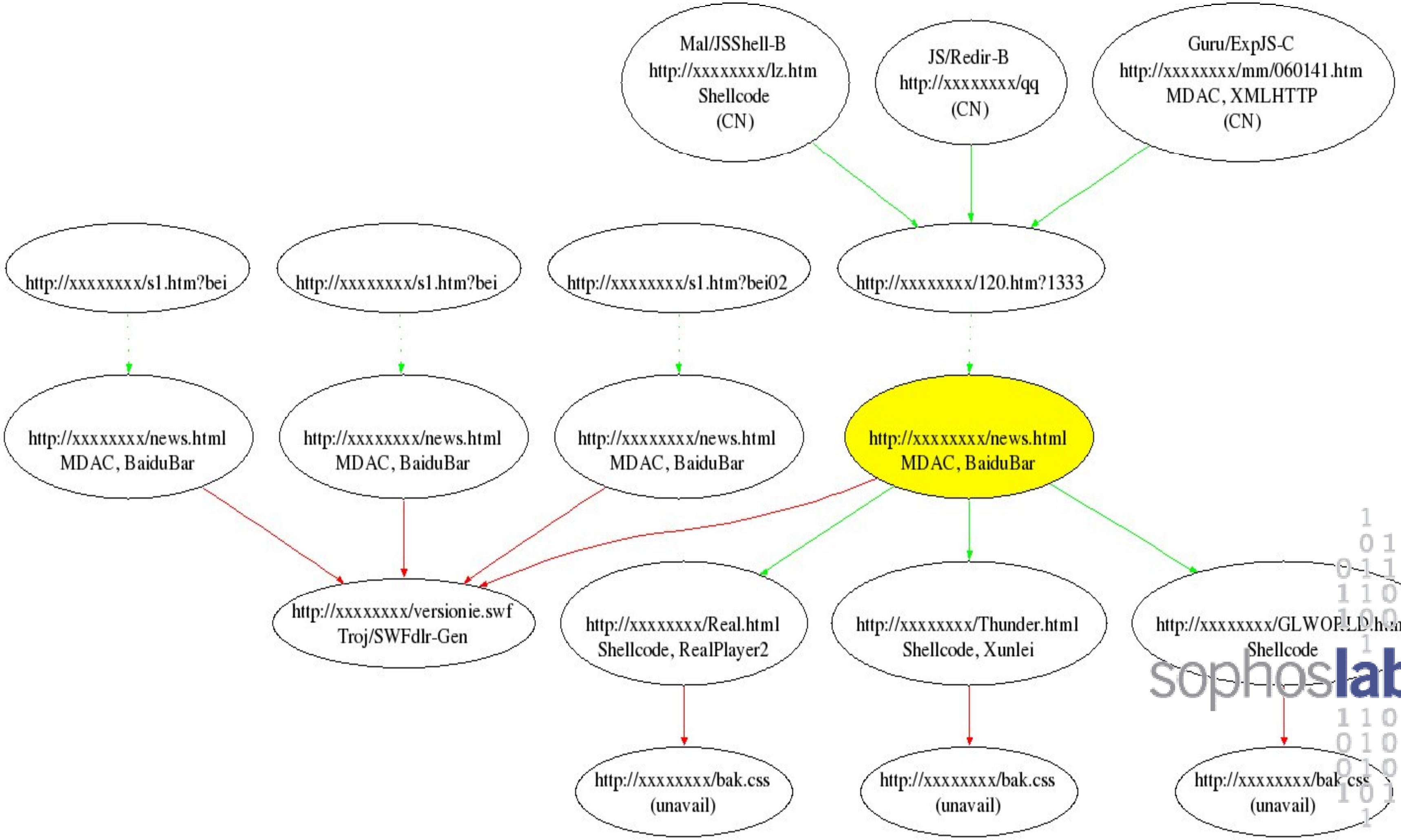
Example -- clickcash


Troj/Decdec-A
http://xxxxxxxx/skachat-virtualnyy-seks
(RU)
Troj/Decdec-A
http://xxxxxxxx/xochu-zanyatsya-virtualnym-seksom
(RU)
Troj/Decdec-A
http://xxxxxxxx/seks-po-telefonu-besplatno
(RU)
http://xxxxxxxx/in.htm?wm=447097
(NL)
http://xxxxxxxx/in.htm?wm=447355
(NL)
Mal/DelpDldr-E
http://xxxxxxxx/exe2/install_player_3913107.exe

Example -- meteorx



Example -- ActionScript



Mal/JSShell-B
http://xxxxxxxx/lz.htm
Shellcode
(CN)

JS/Redir-B
http://xxxxxxxx/qq
(CN)

Guru/ExpJS-C
http://xxxxxxxx/mm/060141.htm
MDAC, XMLHTTP
(CN)

http://xxxxxxxx/s1.htm?bei

http://xxxxxxxx/s1.htm?bei

http://xxxxxxxx/s1.htm?bei02

http://xxxxxxxx/120.htm?1333

http://xxxxxxxx/news.html
MDAC, BaiduBar

http://xxxxxxxx/news.html
MDAC, BaiduBar

http://xxxxxxxx/news.html
MDAC, BaiduBar

http://xxxxxxxx/news.html
MDAC, BaiduBar

http://xxxxxxxx/versionie.swf
Troj/SWFdlr-Gen

http://xxxxxxxx/Real.html
Shellcode, RealPlayer2

http://xxxxxxxx/Thunder.html
Shellcode, Xunlei

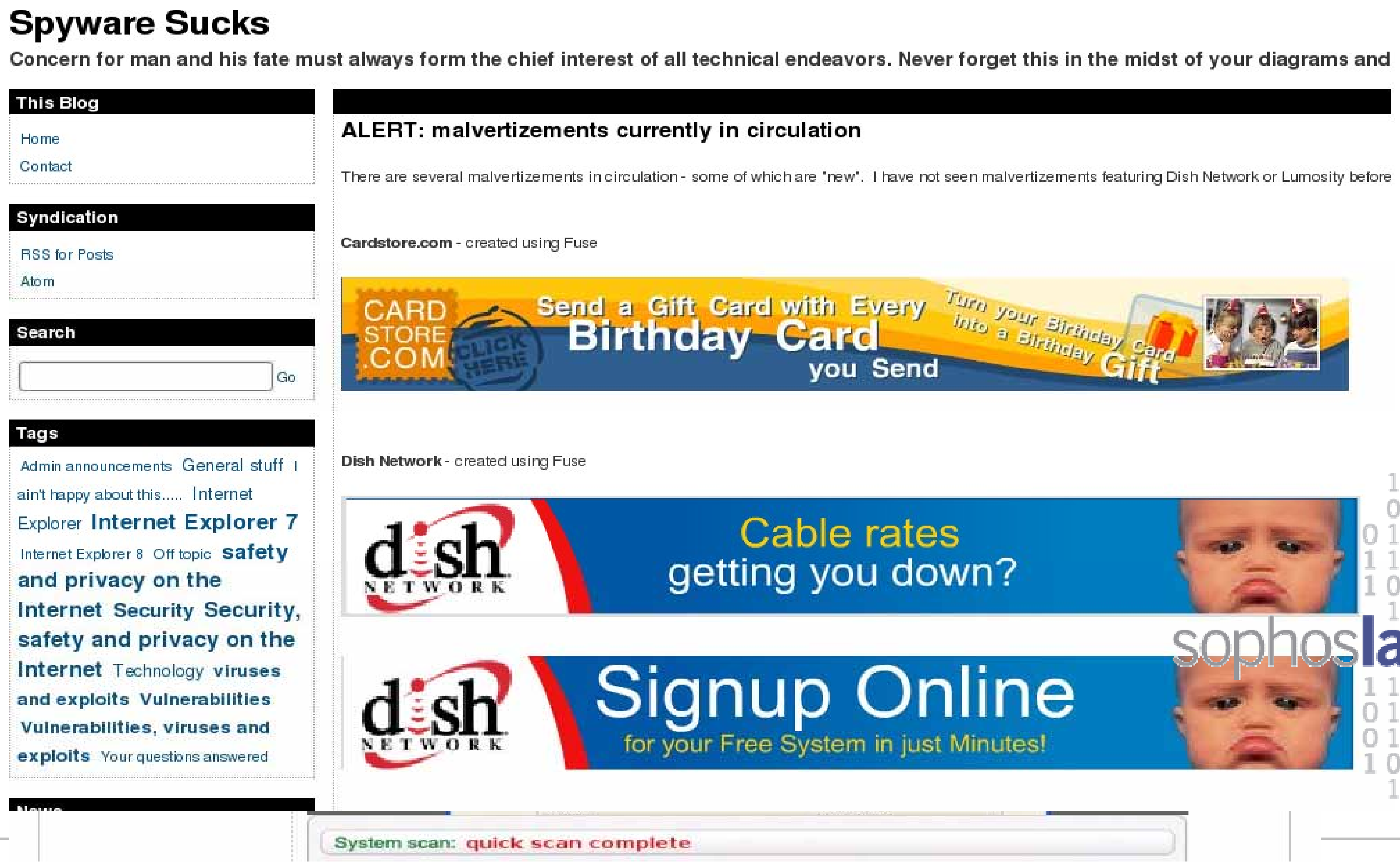
http://xxxxxxxx/GLWORLD.html
Shellcode

http://xxxxxxxx/bak.css
(unavail)

http://xxxxxxxx/bak.css
(unavail)

http://xxxxxxxx/bak.css
(unavail)

Example -- Poisoning



Spyware Sucks

Concern for man and his fate must always form the chief interest of all technical endeavors. Never forget this in the midst of your diagrams and

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News

ALERT: malvertizements currently in circulation

There are several malvertizements in circulation - some of which are "new". I have not seen malvertizements featuring Dish Network or Lumosity before

Cardstore.com - created using Fuse

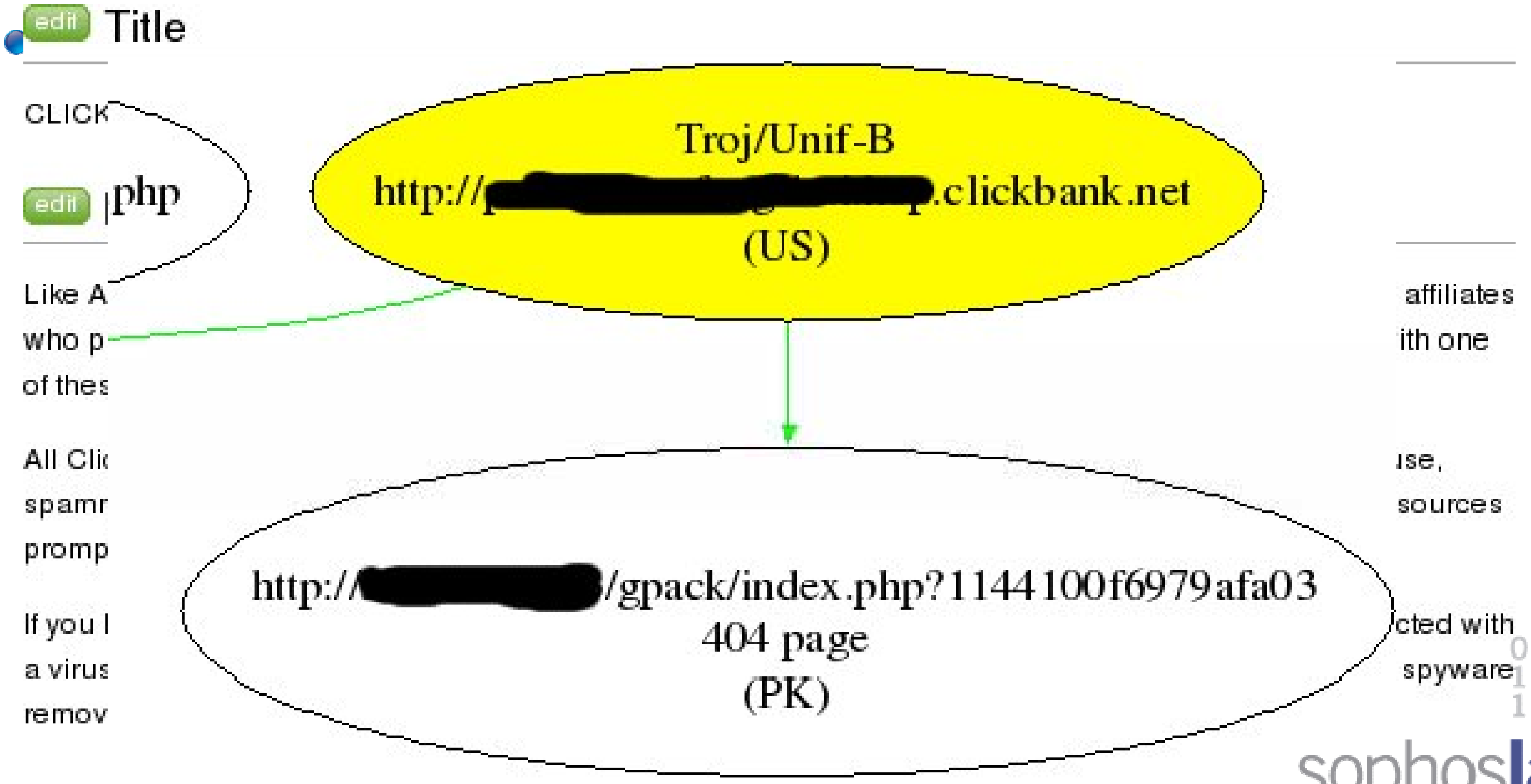
CARD STORE .COM
CLICK HERE
Send a Gift Card with Every
Birthday Card
you Send
Turn your Birthday Card into a Birthday Gift

Dish Network - created using Fuse

dish NETWORK
Cable rates getting you down?
dish NETWORK
Signup Online
for your Free System in just Minutes!

System scan: quick scan complete

Example -- Clickbank



edit Title

CLICK

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sources

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remov

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spyware

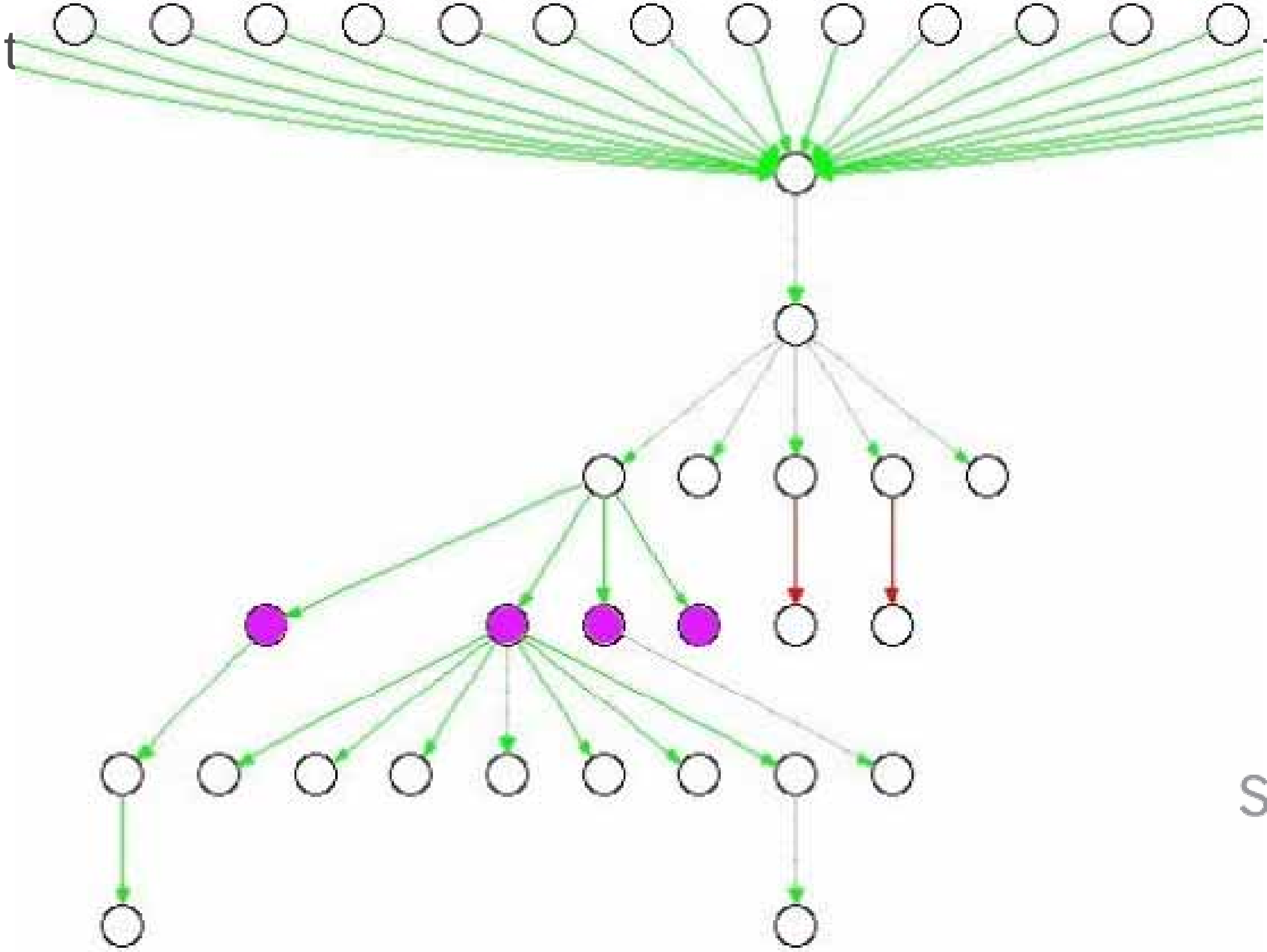
Troj/Unif-B
http://[redacted].clickbank.net
(US)

http://[redacted]/gpack/index.php?1144100f6979afa03
404 page
(PK)

sophoslabs

Example -- blog

- ht html



Summary

- Malware author are using these techniques
  - To increase coverage
  - To make it harder to track
  - And to generate revenue
- Anti-malware vendors are providing solutions

Questions

- Thank you