

"About us"

French Company in Cyber Security

Cert Sekoia

Detection Intrusion experts

Digital Forensics and Incidence Response

Co-Organizer of #BotConf

Members of Honeynet Project

"Symantec Executive Says Antivirus is Dead"



Wall Street Journal 2014, May 4th - Brian Dye, senior vice-president Symantec

Our 3 objectives

Fast Data Acquisition for Detection of compromissions

Fast Analysis of an attack

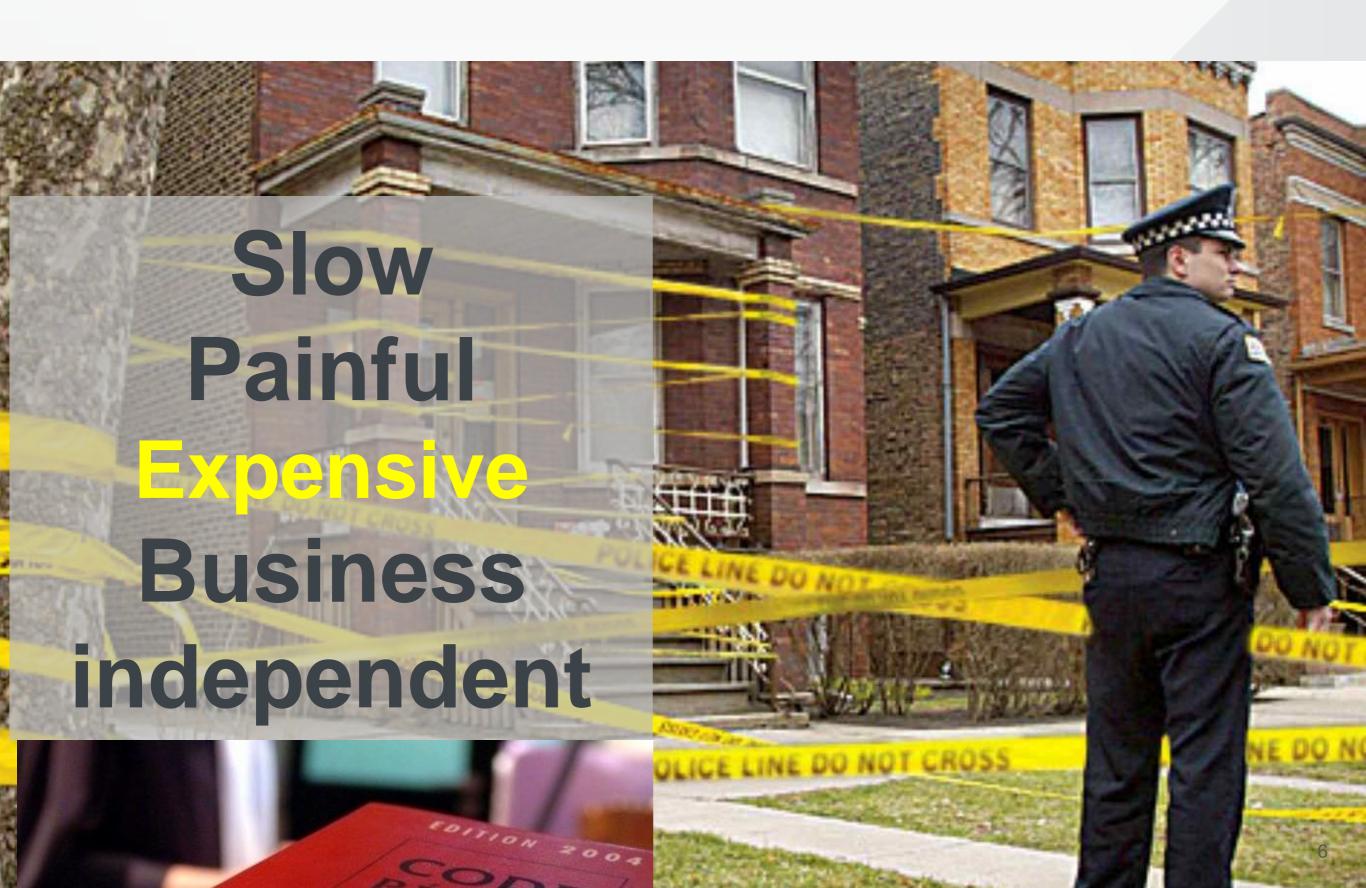
Fast Incident Response to mitigate the impact

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Common denominator after an attack ?

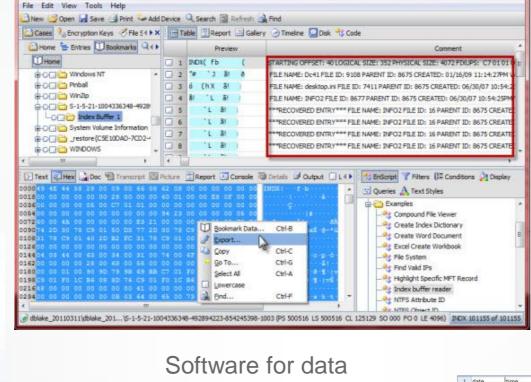


Common denominator of traditionnal forensic?

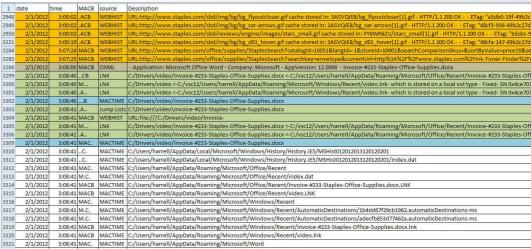


Old fashioned holistic approach tools

EnCase Forensic



acquisition



Spreadshit macrro for data analysis



Hardware for data acquisition

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What is #FastForensic?

Easy to use Focused Fast Context aware







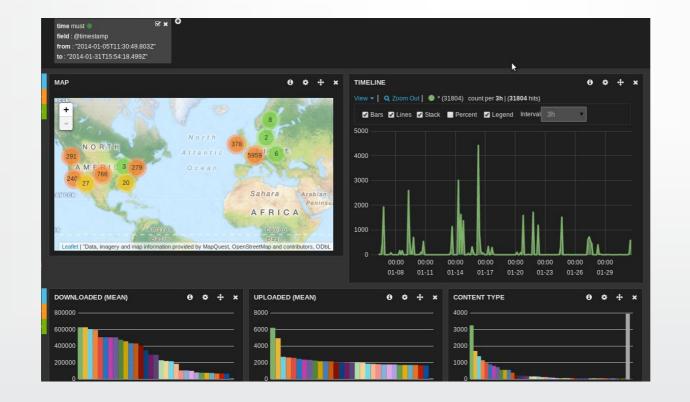
#FastForensic: a all new approach



Specialized hardware for data acquisition



1 click software for data acquisition



« Big data » technologies for data analysis

Process

Detection











Intelligence





Interested parties....

Process | A Lean Cybersecurity approach







Detection













Assessment

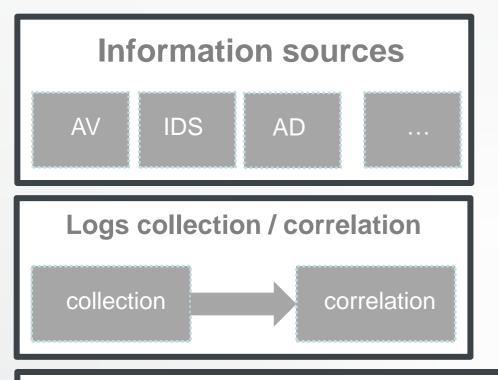


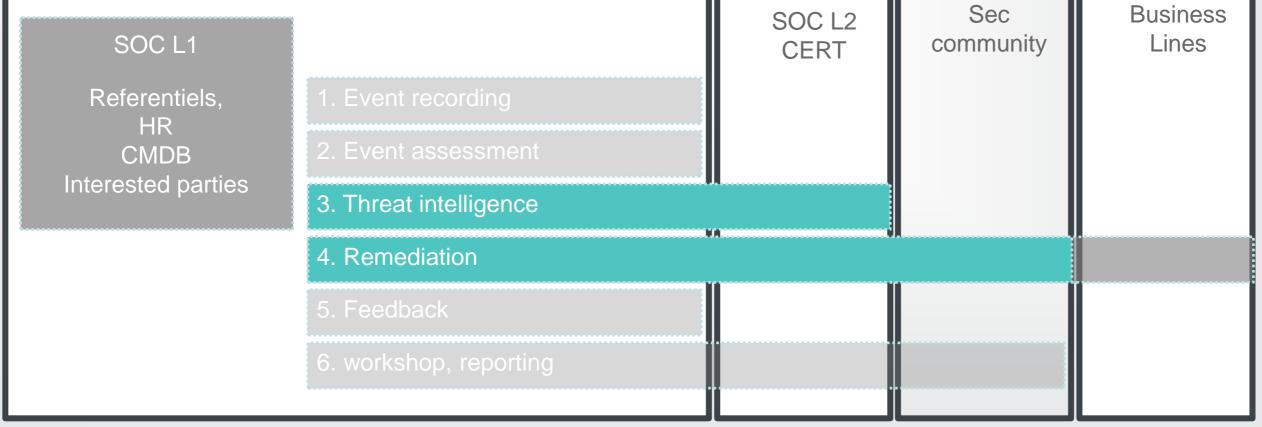




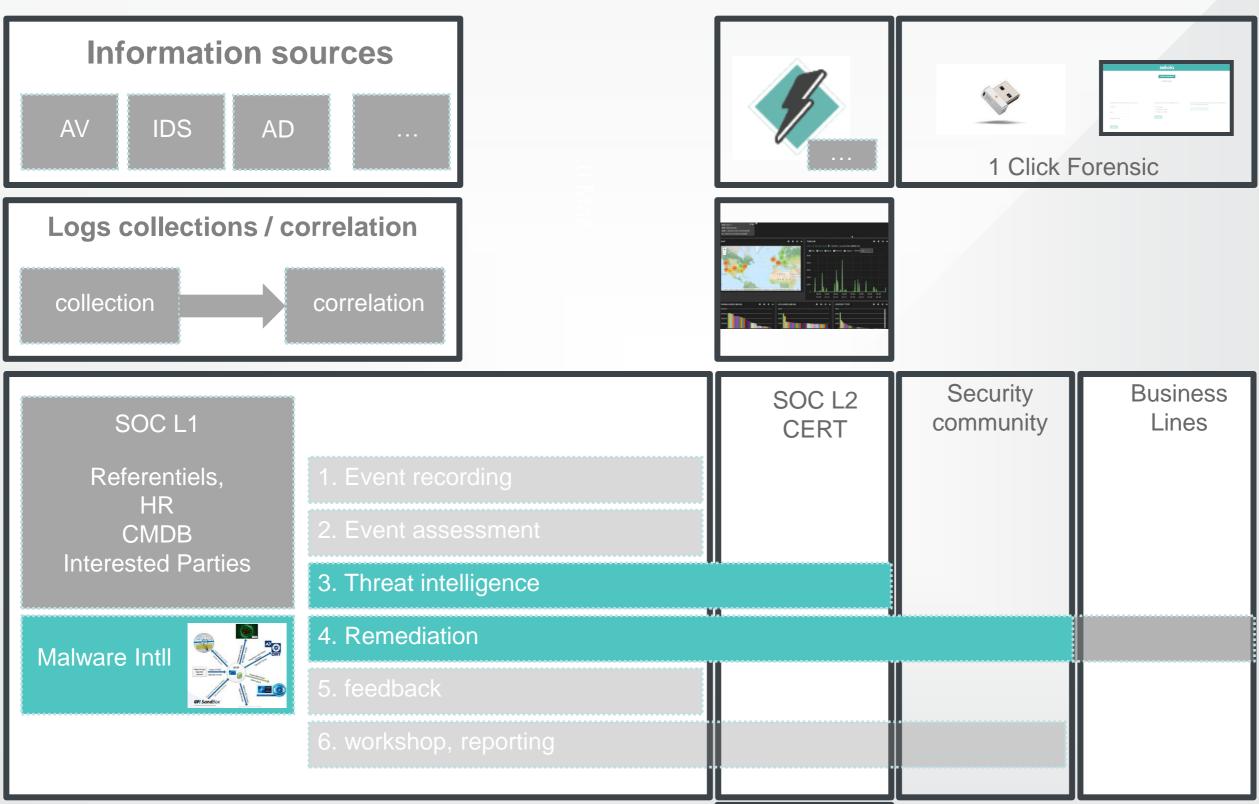
Intelligence

Large company integrated model





Large company integrated model





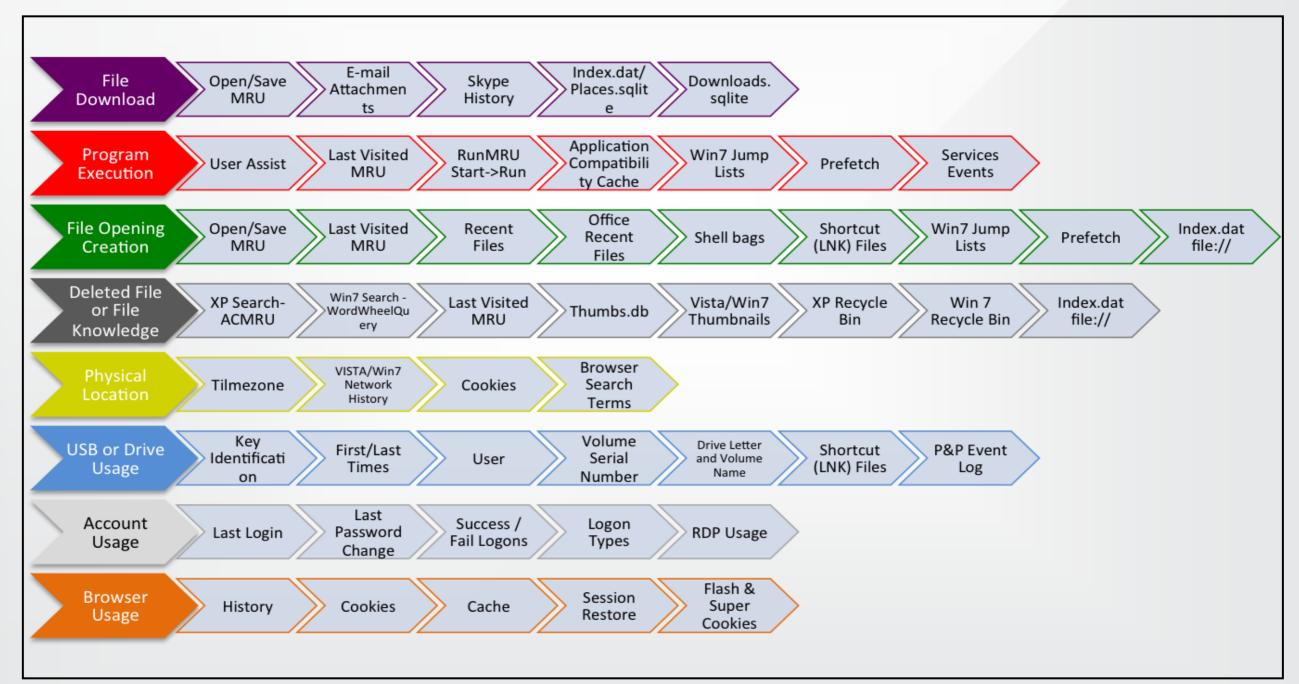
So we have develop FastResponder



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Focus on FastResponder

Need for a fast artefact acquisition tool, easy to use and robust



Source: SANS Windows Forensic FOR 408

Focus on FastResponder

- Decoding MBR and BootSector
- Dump MFT
- MD5 files of drive system
- Detect malicious files with yara signatures

FastResponder: Enter the code

Python 2.7 + ctypes

PyWin32

WMI requests

Psutils

Events logs new chanels

Export CSV

CLI or Config File

Detect encoding of Operating System

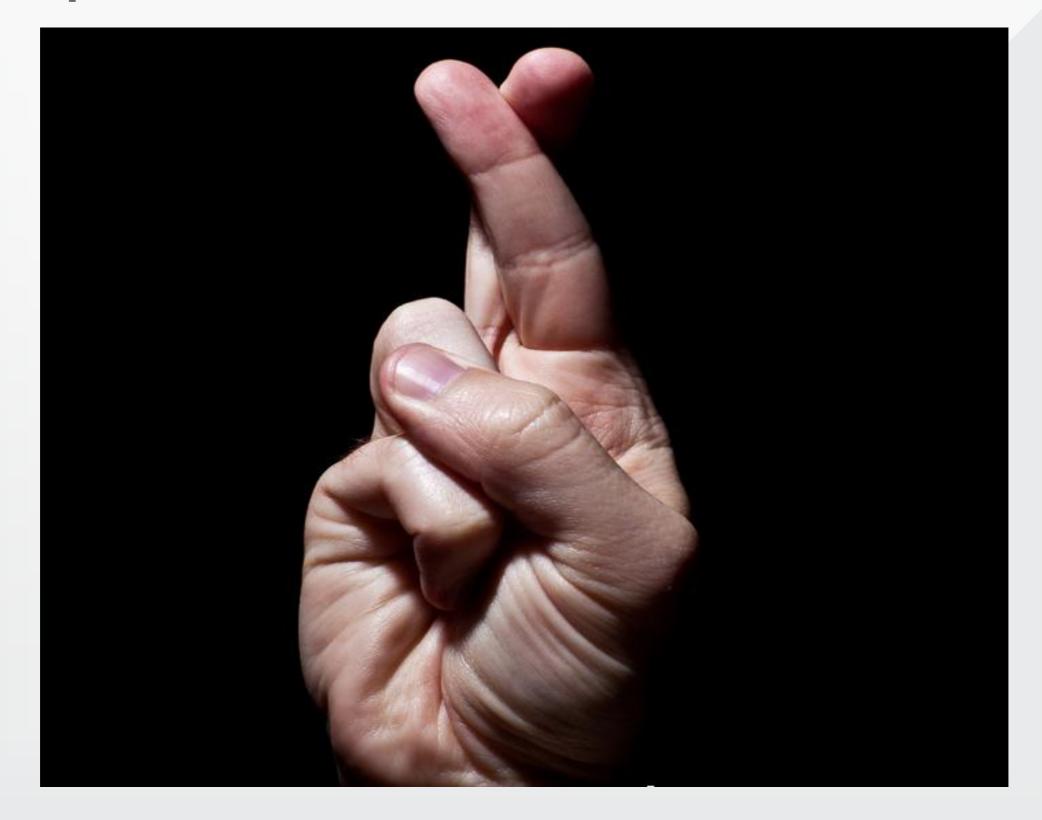
FastResponder: On IR

- Very simple to distribute and collect the results
- Very simple to use
- The program doesn't crash of an decoding artefact
- Easy to add a artefact source
- Fast Collector

FastResponder: On IR

- Profile collector like volatility
- Choose an artefact to collect to minimize and concentrate searching
- One module, one source of artefacts
- With CSV, you can index in ELK or Splunk results
- You can deploy by script or GPO the .exe
- MD5 of all files to compare with your threat intel data base
- You can use your threat intel signatures with yara integration

FastResponder: Demo time



FastResponder: Future Features

Ram Dump and analyses

DNS Cache

Embeded Certificates in PE

Multi Browser history

Windows 8.1/10

Console collect like Viper or Meterpreter

For the community



Thanks to CERT team



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