

From ZeuS to Dyre

In 20 minutes

And how to use this knowledge to fight fraud

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of huge cyber-attack on Belgian firm

Belgacom boss says no company or country could have withstood cyber-attack of this size and sophistication

Ian Traynor in Brussels

Malware attack hits thousands of Yahoo users per hour

By Faith Karimi and Joe Sutton, CNN January 6, 2014 - Updated 1342 GMT (2142 HKT) |

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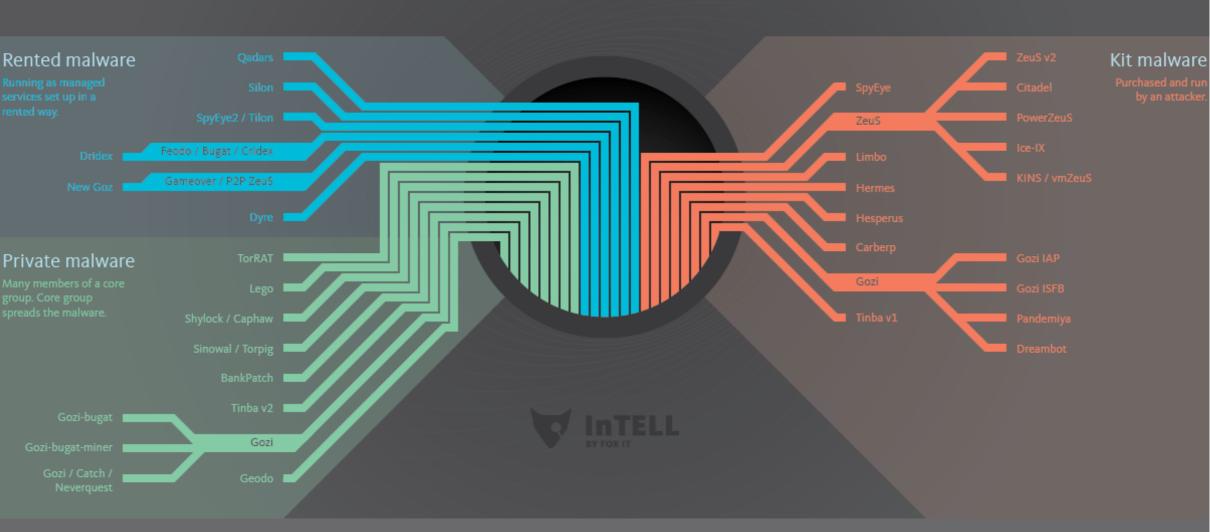


Proven track record





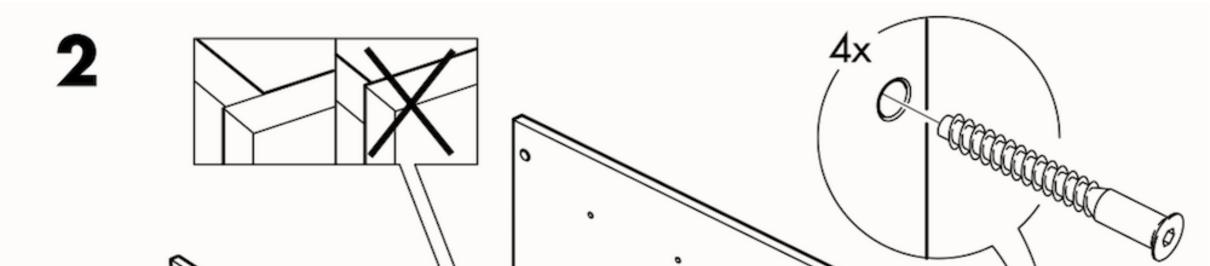
Financial malware families



Cybercrime ecosystem

- In 2006 ZeuS appears
- The original cybercrime kit
- Author goes by the name of Slavik
- ZeuS becomes very popular

- Ecosystem moving to managed malware in 2010
- Private groups



The life & death of P2PZeuS

From 2011 – 2014, P2PZeuS very popular

Active worldwide

In 2014 after years of investigation lead by the FBI botnet is taken down

Slavik's identity becomes known

Conspiracy to Participate in Racketeering Activity; Bank Fraud; Conspiracy to Violate the Computer Fraud and Abuse Act; Conspiracy to Violate the Identity Theft and Assumption Deterrence Act; Aggravated Identity Theft; Conspiracy; Computer Fraud Wire Fraud; Money Laundering

EVGENIY MIKHAILOVICH BOGACHEV









Aliases: Yevgeniy Bogachev, Evgeniy Mikhaylovich Bogachev, "lucky12345", "slavik", "Pollingsoon"

DESCRIPTION

Date(s) of Birth Used: October 28, 1983

Height: Approximately 5'9" Hair: Brown (usually shaves his head)

Weight: Approximately 180 pounds Eves: Brown Sex: Male NCIC: W890989955 Occupation: Bogachev works in the Information Race: White

Technology field.

Remarks: Bogachev was last known to reside in Anapa, Russia. He is known to enjoy boating and may travel to

locations along the Black Sea in his boat. He also owns property in Krasnodar, Russia.

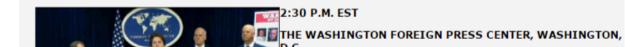


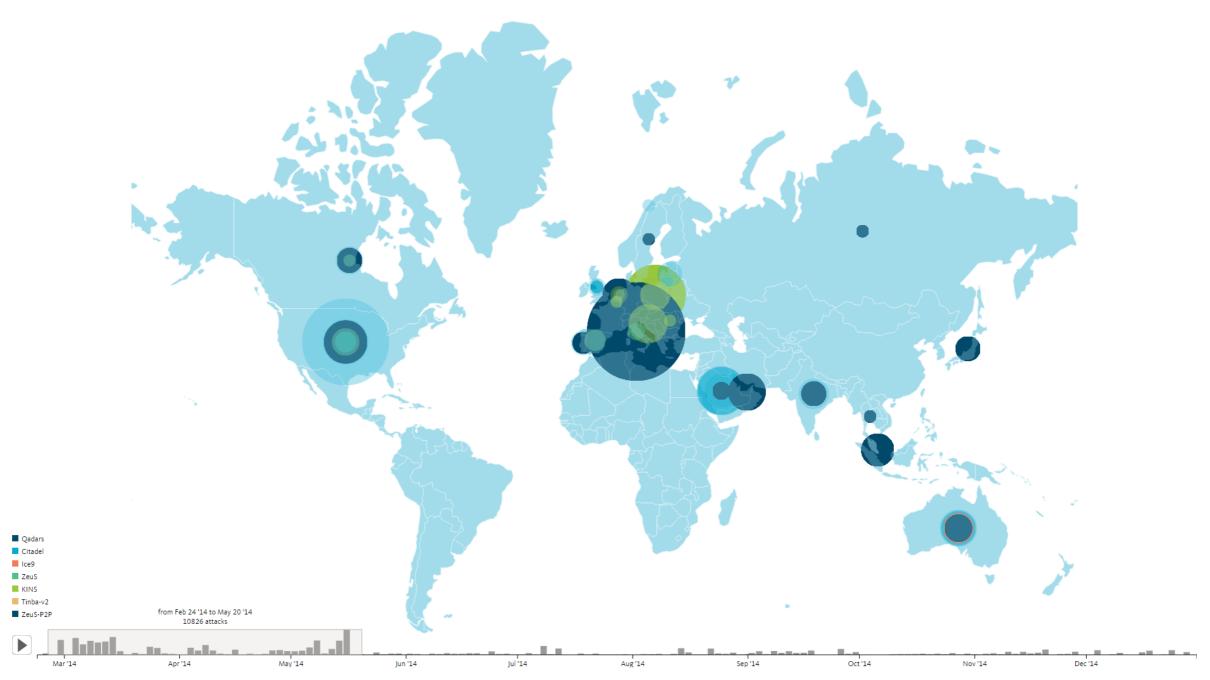
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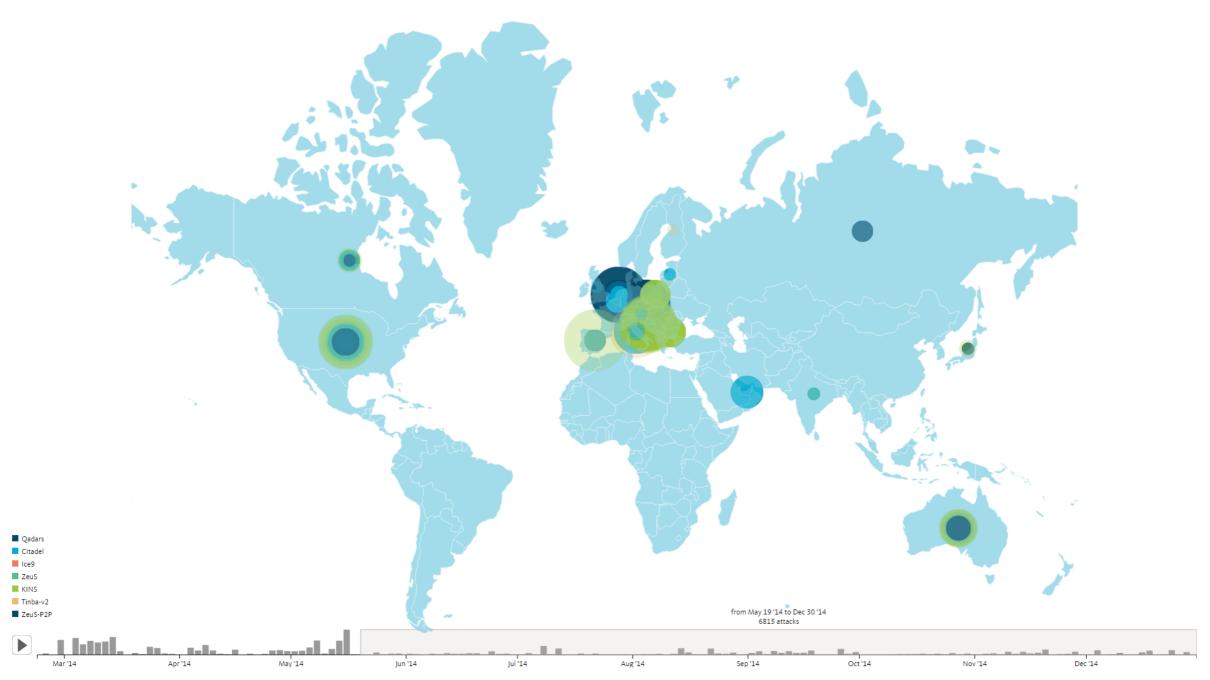
New Reward for Cyber Fugitive

Department of Justice Assistant Attorney General for the Criminal Division Leslie Caldwell; Assistant Secretary of State for International Narcotics and Law Enforcement Affairs William Brownfield; Federal Bureau of Investigation (FBI) Assistant Director for Cyber Security Joseph Demarest; and, U.S. Attorney for the Western District of Pennsylvania David Hickton

Washington, DC February 24, 2015

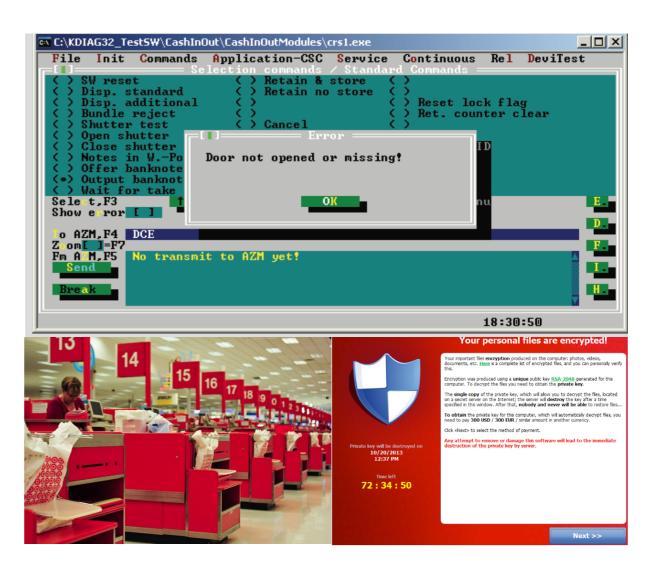






Today

- Former P2PZeuS customers building alternative platforms: Dyre and Dridex
- Remnants of Carberp involved with Anunak
- Banking attacks, ATM cashouts, retail attacks and... Espionage
- But more are coming



Automated vs hybrid attacks

Automated attack: inject code does everything

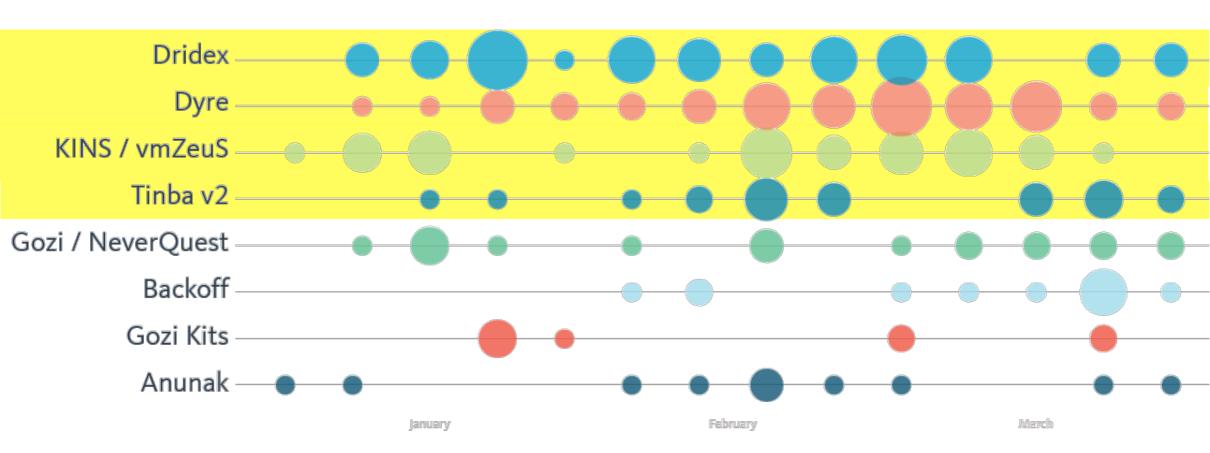
Hybrid attack: most steps by operator

ATS: expensive setup, scales well

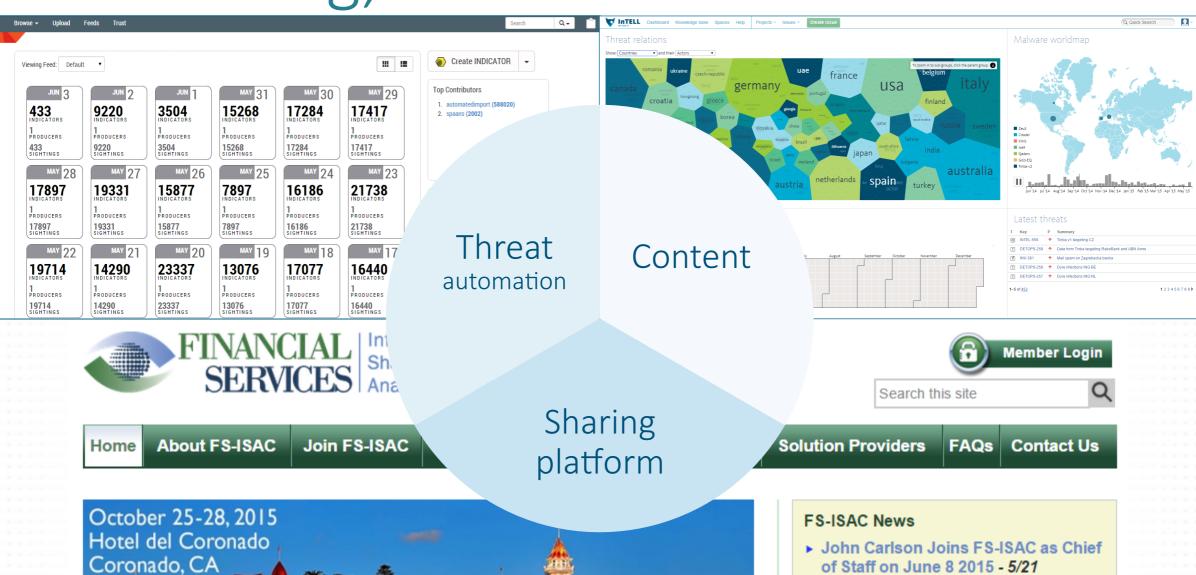
Hybrid: cheap to setup, scales less



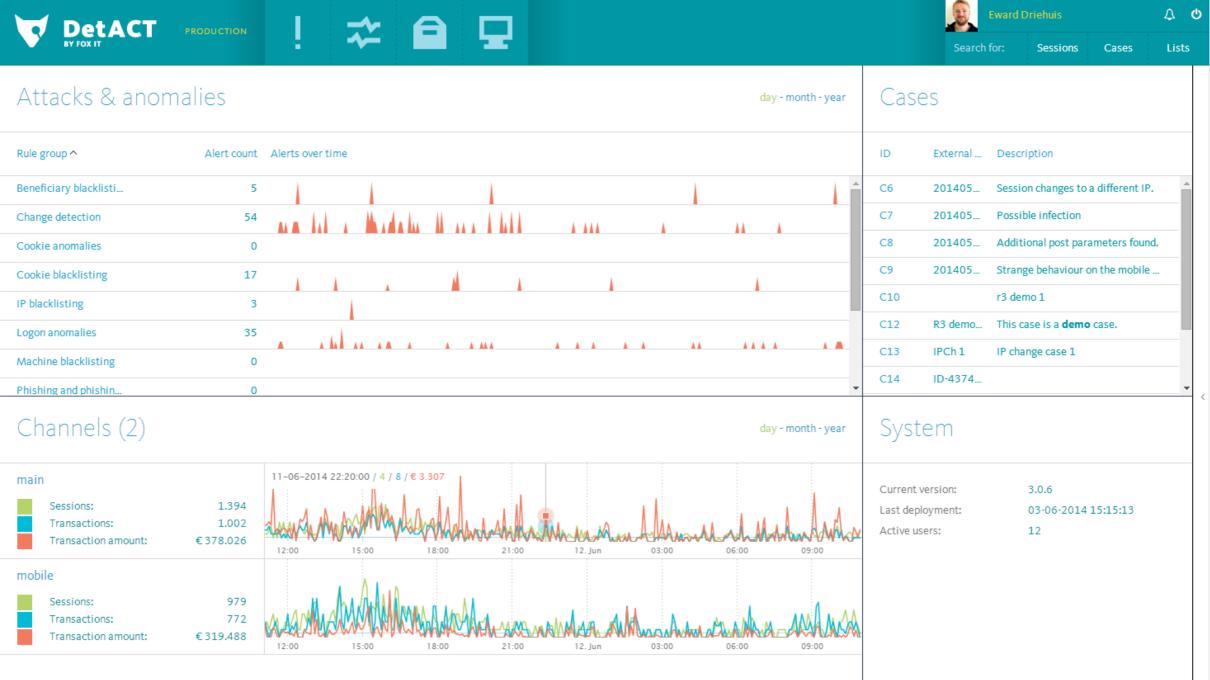
Threats in Italy



Sharing, content & automation



of Staff on June 8 2015 - 5/21



The game is not about malware anymore
Threats evolve, they don't appear out of nowhere
Successful organizations share
In intelligence, content is key
Use it to protect your channels in real-time

