



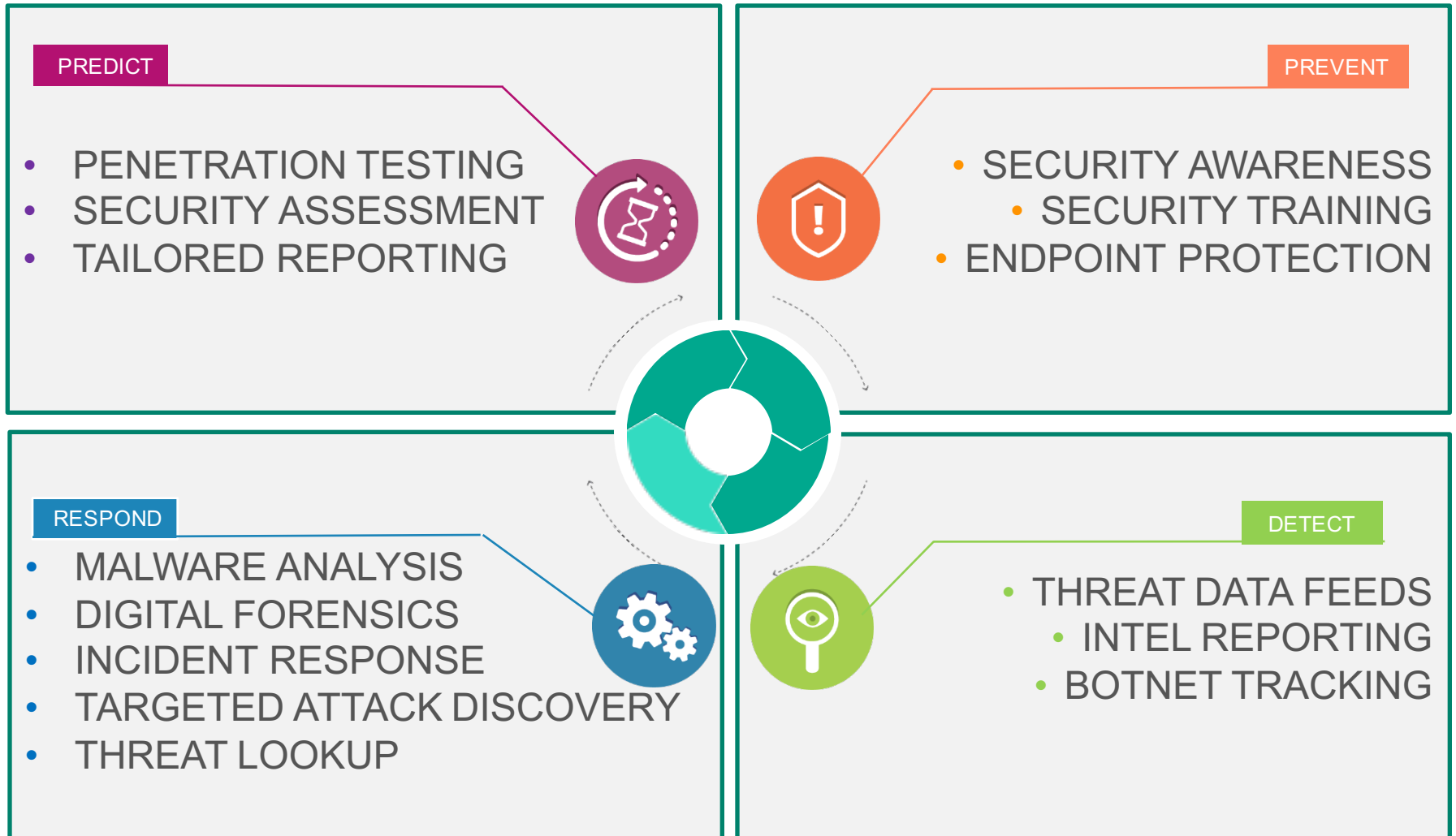
HOW GOVERNMENTAL AGENCIES FIGHT AGAINST CYBERCRIME. BEST PRACTICES AND REAL CASES

Cyberdrill, Quito, Ecuador

MIKHAIL NAGORNY

HEAD OF SECURITY SERVICES, ENTERPRISE BUSINESS

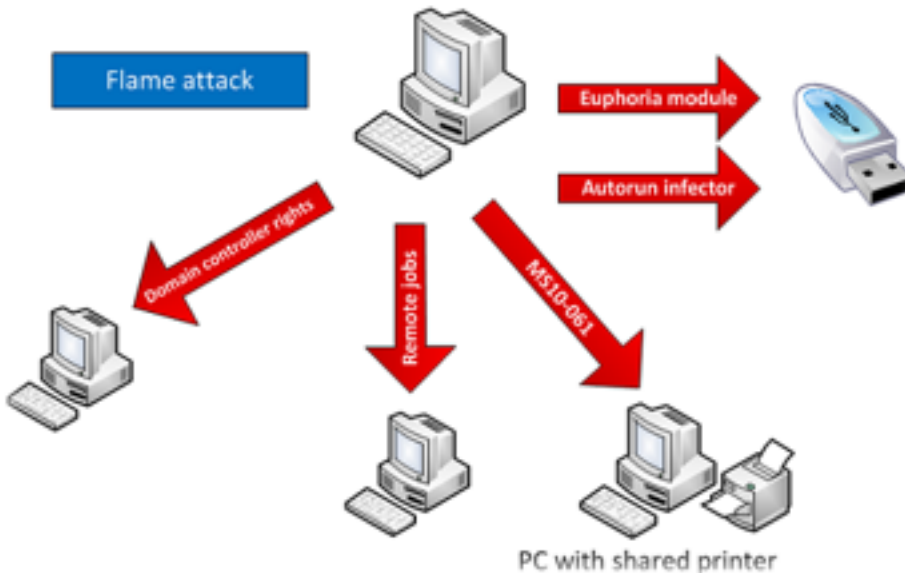
GARTNER'S ADAPTIVE SECURITY CYCLE



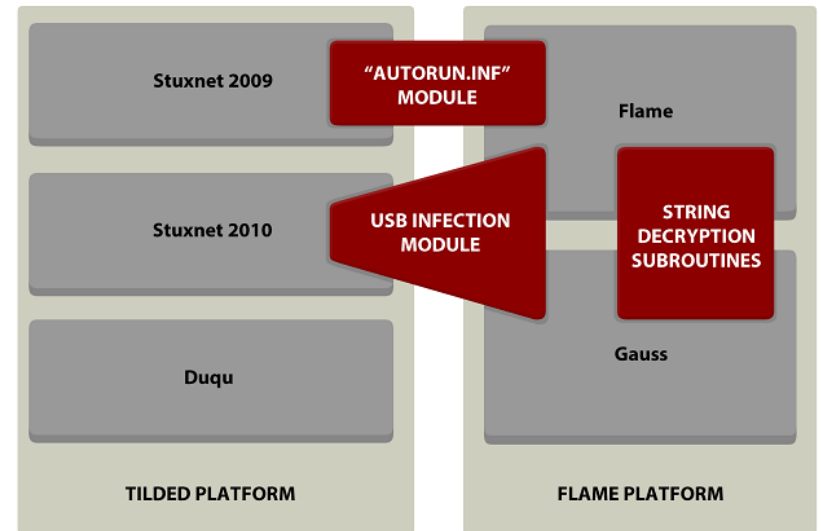
EUGENE KASPERSKY CALLS FOR CLOSER COLLABORATION BETWEEN GOVERNMENT AND BUSINESS TO COMBAT CYBER THREATS



KASPERSKY LAB AND ITU RESEARCH REVEALS NEW ADVANCED CYBER THREAT



The relationship of Stuxnet, Duqu, Flame and Gauss



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CRIMINALS BEHIND THE COINVAULT RANSOMWARE ARE BUSTED BY KASPERSKY LAB AND DUTCH POLICE

KASPERSKY Lab



RANSOMWARE DECRYPTOR

Are you a [ransomware](#) victim? The National High Tech Crime Unit (NHTCU) of the Netherlands' police, the Netherlands' National Prosecutors Office and Kaspersky Lab have been working together to fight the [CoinVault](#) ransomware campaign. During our joint investigation we have been able to obtain data that can help you to decrypt the files being held hostage on your PC. We provide both decryption keys and the [decryption application](#). For more information please see this [how-to](#). Please note that this is an ongoing investigation and new keys will be added in the future.

April 29 update: 13 decryption keys added to the database
April 17 update: 711 decryption keys added to the database



Enter your data here...

FIGHTING CYBERCRIME, COLLABORATING WITH AROUND 90 CERTS/CIRTS

ICT Qatar

CERT.GOV.AZ

INTECO

CERT.br

CERT EU

GovCERT - Austria

CERT.LV

Hong Kong CERT

UNAM-CERT

CERT-PY

NCSC

Ecuador CERT

Nippon CSIRT Association

CERT Australia

CERT-BY

Thai CERT

CERT-MX

UK Cert

RIPE NCC

CSIRT Panama

CERT Societe Generale

CIRCL LU

Siemens CERT

CERT-PL

NorCERT

Canadian Cyber Incident Response Centre

BEST PRACTICES ABOUT COLLABORATION BETWEEN KASPERSKY GREAT TEAM AND CERTS/CIRTS

- Signing collaboration agreements
- Sharing Intelligence
- Working as a Team
- Law enforcement coordination

INTERPOL @INTERPOL_HQ Follow

Read the [@Kaspersky](#) Lab blog on the [#Simda](#) [#botnet](#) targeted in [#INTERPOL](#) coordinated operation bit.ly/1z9ye3y

[Securelist](#)

Simda's Hide and Seek: Grown-up Games
Kaspersky Lab was recently involved in botnet takedown operation. Preliminary analysis of some of the sinkholed server logs revealed a list of 40 countries affected by the Simda botnet.

[View on web](#)

RETWEETS 29 FAVORITES 14

12:29 PM - 13 Apr 2015

HOW TO BE READY TO FIGHT AGAINST CYBERCRIME



ACTIONABLE THREAT
INTELLIGENCE

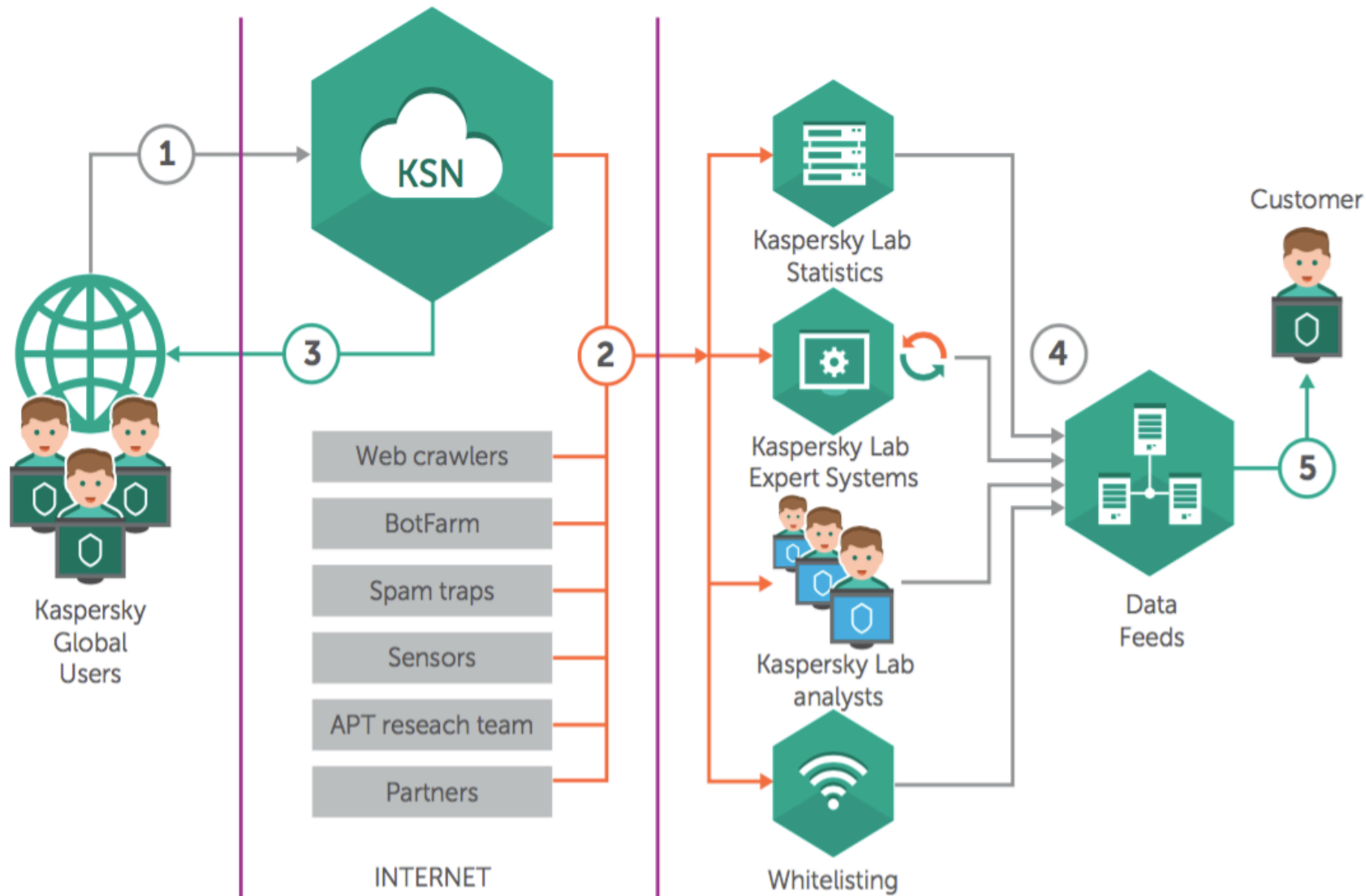


SOC & INCIDENT
RESPONSE TEAMS ARE
EXPERIENCED IN DIGITAL
FORENSICS AND
MALWARE ANALYSIS



ANTI-MALWARE VENDOR
SUPPORT IN MALWARE
ANALYSIS AND DIGITAL
FORENSICS

THREAT INTELLIGENCE FROM DIFFERENT SOURCES BECOMES MORE AND MORE IMPORTANT



THREAT DATA FEEDS

IP REPUTATION

IP Reputation — a set of IP addresses with context covering suspicious and malicious hosts. (JSON)

URL FEEDS

Malicious URLs — a set of URLs covering malicious links and websites. Masked and non-masked records are available. (JSON)

Phishing URLs — a set of URLs covering phishing links and websites. Masked and non-masked records are available. (JSON)

Botnet C&C URLs — a set of URLs covering botnet C&C servers and related malicious objects. (JSON)

HASH FEEDS

Malware Hashes — a set of file hashes and corresponding verdicts covering the most dangerous and prevalent malware delivered through the intelligence of KSN. (JSON)

Mobile Malware Hashes — a set of file hashes for detecting malicious objects that infect mobile Android and iPhone platforms (JSON)

MOBILE THREAT FEEDS


P-SMS Trojan Feed — a set of Trojan hashes with corresponding context for detecting SMS Trojans ringing up premium charges for mobile users as well as enabling an attacker to steal, delete and respond to SMS messages. (JSON)

Mobile Botnet C&C URLs — a set of URLs with context covering mobile botnet C&C servers. (JSON)

APT INTEL REPORTING – DELIVERY

Via APT Intel Portal


> Convenient Search



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Asia
Austria
Bangladesh
Belarus

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Actor

Appin
APT15
APT28
Axiom
Blue Traveller

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Report Name	Downloads available	Last update	Tags
Geman-Attack Against Financial Institutions	YARA IOC Report	2016-01-18	Financial institutions Russia
Winniti-HDroot	YARA IOC Report	2016-01-16	Winniti South Korea Japan China Bangladesh + 12
Metel-Financial Fraud	YARA IOC Report	2015-11-06	Financial institutions Russia
WildNeutron-new activity Sept15	YARA IOC Report	2015-09-29	WildNeutron Jripbot Morpho Law firms Bitcoin + 14
Scarlet APT	YARA IOC Report	2015-09-18	Belgium
Carbanak-new wave of attacks Sept15	YARA IOC Report	2015-09-15	Carbanak
Sofacy-New Toolset Aug15	YARA IOC Report	2015-08-13	Sofacy Fancy Bear Sednit Tsar Team APT28 + 1
Flowershop APT	YARA IOC Report	2015-08-07	Telecommunications Aerospace Europe Asia Middle East + 8

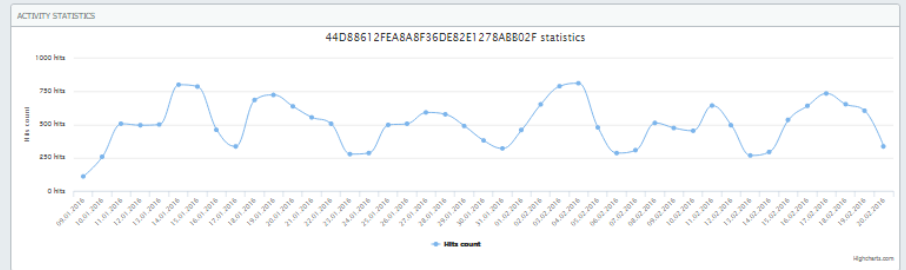
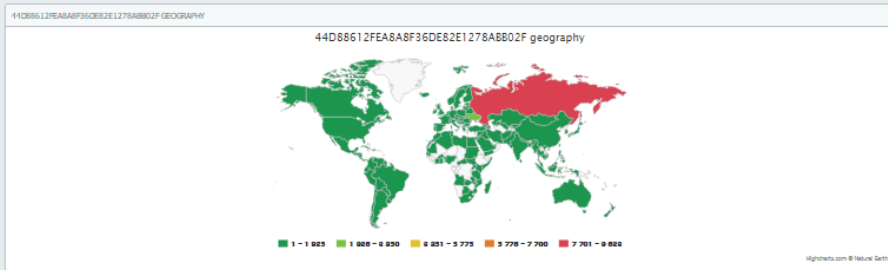
THREAT LOOKUP & HUNTING SERVICES

KASPERSKY
THREAT INTELLIGENCE SERVICE

44D88612FEA8A8F36DE82E1278ABB02F [Get full archive](#)

Hash report for MD5
44D88612FEA8A8F36DE82E1278ABB02F Malware

HITS	≈ 10 000 000	FORMAT	BIN/DATA	SHA1	339595C81F287302EE726D7988640F1410	SHA256	275A0218BF648E54047189F7089D1663FC695EC7EA3C43BA8F851F00F
FIRST	Apr 24, 2010	SIZE	68 B				
LAST	Feb 20, 2016	SENDER	Microsoft Corporation				
		PACKER	None				

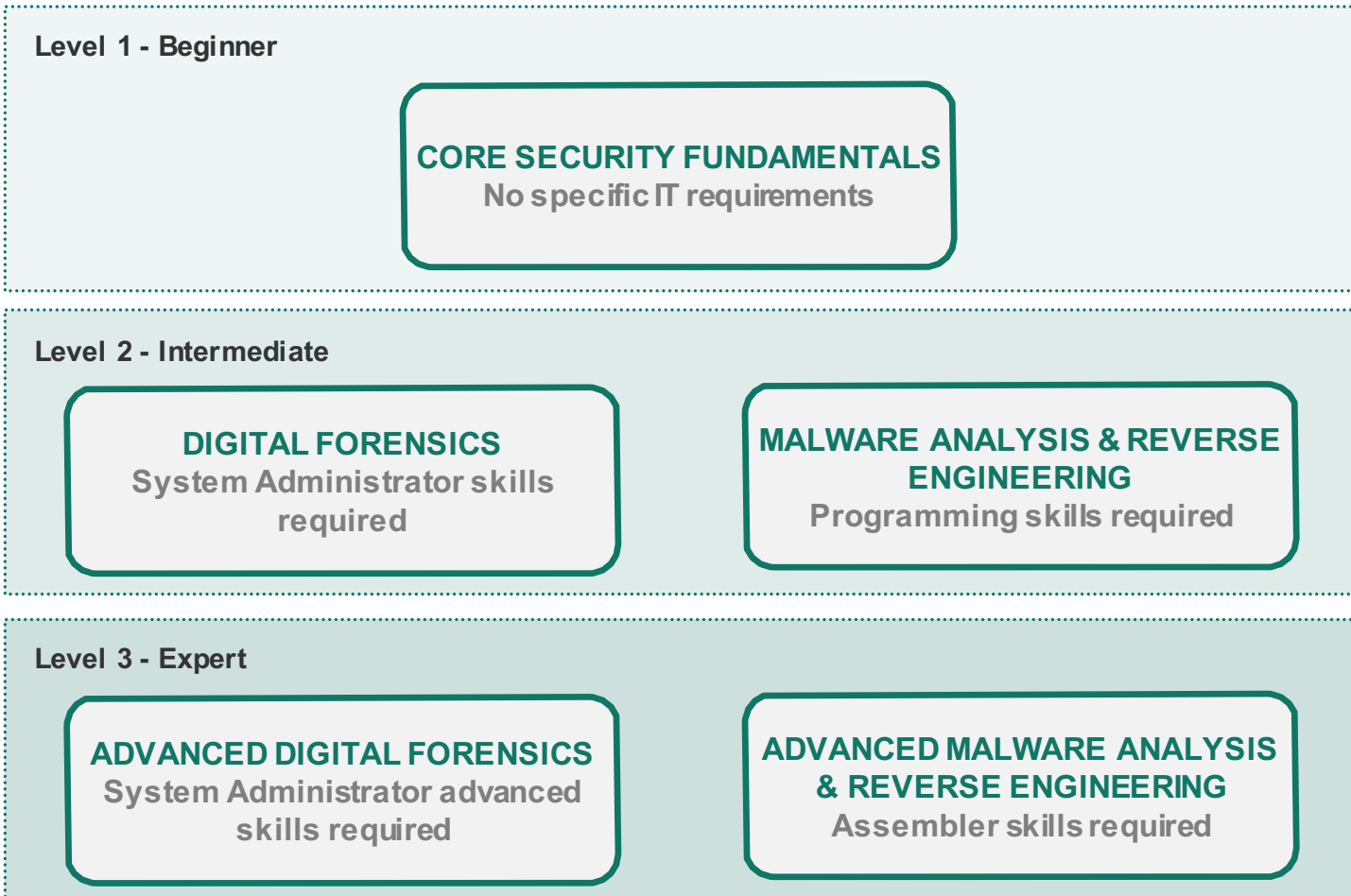


Sample was downloaded by the following objects

COUNT (+)	DOWNLOADER MD5	LAST DOWNLOAD	THREAT	NAME	FOLDER	PATH
10 000	71DCFA65CC4349CF08BFFF7A1408BAE4	Jan 21, 2016 10:16	—	chrome.exe	Program Files	google/chrome/application
10 000	5F1B1148C830C0F149A476A58CEDD09D	Feb 19, 2016 11:32	—	ieexplor.exe	Program Files	internet explorer
10 000	1AB08C1EB2C2300C408F008C58B8CC	Feb 20, 2016 15:56	—	qlagent32_40.exe	Program Files	microsoft visual studio 12.0/common7/ide
10 000	AS079E1DED678146708780677CC411E	Jan 13, 2016 14:13	—	wget.exe	Drive	d:
10 000	2FBDC59E68028895276E460905E3FA78	Feb 19, 2016 18:38	—	chrome.exe	Program Files	google/chrome/application
10 000	4B0583A0A6A2209F4538FFD467E68190	Feb 17, 2016 02:01	—	firefox.exe	Program Files	mozilla firefox
10 000	1E827B1C08007E1842431500A4756279	Feb 04, 2016 19:26	—	chrome.exe	Program Files	google/chrome/application
10 000	1103DF442AC5870CAF66977F192CA5	Feb 19, 2016 10:23	—	firefox.exe	Program Files	mozilla firefox
10 000	265B49F94A5AA713192EE97A70248B5	Feb 01, 2016 16:26	—	firefox.exe	Program Files	mozilla firefox
10 000	ASFCD42334CC6820A1882A154338696C	Dec 01, 2015 13:02	—	chrome.exe	Program Files	google/chrome/application

[Get archive](#) [Show more](#)

WHY SECURITY TRAINING AND SECURITY AWARENESS IS IMPORTANT. BEST PRACTICES FROM KASPERSKY LAB



LEVEL 1 CORE SECURITY FUNDAMENTALS

COURSE DESCRIPTION	DURATION	COURSE AUDIENCE	SKILLS GAINED
<p>Level 1 – core security fundamentals</p> <p>TOPICS:</p> <ul style="list-style-type: none">• Cyberthreats & Underground market overview• Spam & Phishing, Email security• Cyber threat types & protection technologies• Advanced persistent threats• Investigation basics using public web tools• Securing your workplace	2 days	Broad range of enterprise employees	<ul style="list-style-type: none">• understand the threat landscape• be able to use your PC more safely• recognize different types of attacks• classify cyber weapons and malware and understand their goals and working principles• analyze phishing mails• recognize infected or faked websites

LEVEL 2 DIGITAL FORENSICS

COURSE DESCRIPTION	DURATION	COURSE AUDIENCE	SKILLS GAINED
Level 2 – digital forensics TOPICS: <ul style="list-style-type: none">• Introduction to Digital Forensics• Live Response and Evidence Acquisition• Windows Registry Internals• Windows artifacts analysis• Browsers Forensics• Email analysis	5 days	Employees in the areas of incident response and digital forensics	<ul style="list-style-type: none">• build the Digital Forensics lab• collect digital evidence and deal with it properly• reconstruct an incident and use time stamps• find traces of intrusion on investigation artifacts in Windows OS• find and analyze browser and email history• be able to apply with the tools and instruments of digital forensics

LEVEL 3 ADVANCED DIGITAL FORENSICS

COURSE DESCRIPTION	DURATION	COURSE AUDIENCE	SKILLS GAINED
<p>Level 3 – advanced digital forensics</p> <p>TOPICS:</p> <ul style="list-style-type: none">• Deep Windows Forensics• Data recovery• Network and Cloud forensics• Memory forensics• Timeline analysis• Real world targeted attack forensics practice	5 days	Employees in the areas of incident response and digital forensics	<ul style="list-style-type: none">• Be able to perform deep file system analysis• Be able to recover deleted files• Be able to analyze network traffic• Reveal malicious activities from Memory dumps• Reconstruct the incident timeline

LEVEL 2 MALWARE ANALYSIS & RE

COURSE DESCRIPTION	DURATION	COURSE AUDIENCE	SKILLS GAINED
<p>Level 2 – malware analysis &re</p> <p>TOPICS:</p> <ul style="list-style-type: none">• Malware Analysis & Reverse Engineering goals and techniques• Windows internals, executable files, x86 assembler• Basic Static analysis techniques (strings extracting, import analysis, PE entry points at a glance, automatic unpacking, etc.)• Basic Dynamic analysis techniques (debugging, monitoring tools, traffic interception, etc.)• .NET, Visual basic, Win64 files analysis• Script and non-PE analysis techniques (Batch files; Autoit; Python; Jscript; JavaScript; VBS)	5 days	Employees in the areas of malware analysis and reverse engineering	<ul style="list-style-type: none">• Build a secure environment for malware analysis: deploy sandbox and all needed tools• Understand principles of Windows program execution• Unpack, debug and analyze malicious object, identify its functions• Detect malicious sites through script malware analysis• Conduct express malware analysis

LEVEL 3 ADVANCED MALWARE ANALYSIS & RE

COURSE DESCRIPTION	DURATION	COURSE AUDIENCE	SKILLS GAINED
<p>Level 3 – advanced ma&re</p> <p>TOPICS:</p> <ul style="list-style-type: none">• Malware Analysis & Reverse Engineering goals and technics• Advanced Static & dynamic analysis techniques (manual unpacking)• Deobfuscation techniques• Rootkit & Bootkit analysis• Exploits analysis (.pdf, .doc, .swf, etc.)• Non-Windows Malware Analysis (Android, Linux, Mac OS)	5 days	Employees in the areas of malware analysis and reverse engineering	<ul style="list-style-type: none">• use the world best practices in reverse engineering• recognize anti-reverse engineering technics (obfuscation, anti-debugging)• apply advanced malware analysis for Rootkits/Bootkits• analyze exploit shellcode, embedded in different file types• analyze non-Windows malware

CYBER SECURITY TRAINING – CASE STUDIES

CUSTOMER CASE STUDY

KASPERSKY Lab

CITY OF LONDON POLICE

- Kaspersky Lab has delivered several courses in the areas of Digital Forensics and Malware Analysis
- Public reference is available and you can request an official pdf approved by COLP management
- You can find more in public press releases:
 - <http://www.kaspersky.com/about/news/virus/2014/City-of-London-Police-and-Kaspersky-Lab-lead-the-way-in-combatting-fraud>
 - <http://www.computerworlduk.com/news/security/3539039/city-of-london-police-brings-in-kaspersky-to-train-officers-to-tackle-cybercrime/>



▶ **DEVELOPING A NATIONAL
RESPONSE TO CYBER CRIME**



HOW TO RESPOND THE CYBERCRIME AND CYBER THREATS – MALWARE ANALYSIS.

Malware Analysis offers a complete understanding of the behavior and objectives of specific malware files that are targeting your organization.

Kaspersky Lab's experts carry out a thorough analysis of the malware sample provided by your organization, creating a detailed report that includes:



- ✓ **Sample properties:** A short description of the sample and a verdict on its malware classification.
- ✓ **Detailed malware description:** An in-depth analysis of your malware sample's functions, threat behavior and objectives - including IOCs - arming you with the information required to neutralize its activities.
- ✓ **Remediation scenario:** The report will suggest steps to fully secure your organization against this type of threat.

LET'S TALK?

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