Business IT Security

Threats, technologies & solutions

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InfoCom Security, April 10, 2013

TODAY'S AGENDA

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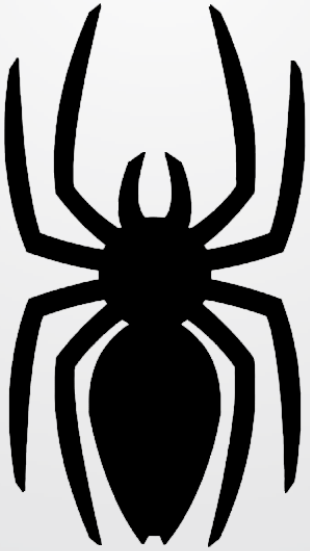
Malware evolution

Let’s take a look at it!

MALWARE IS HUGE

1994

One new virus every hour



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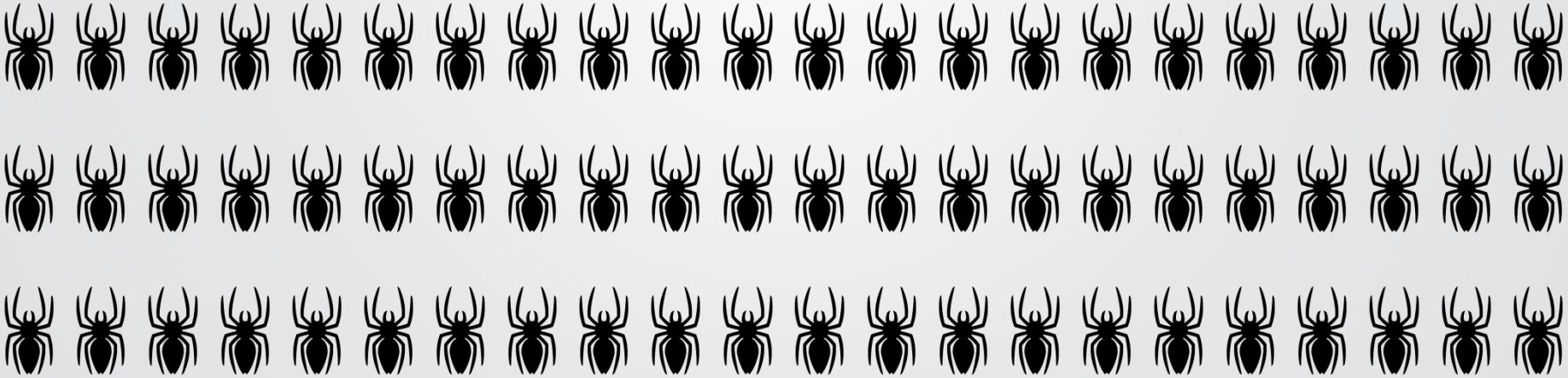
MALWARE IS HUGE

2006

One new virus every minute



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MALWARE IS HUGE

2012

One new virus every second

Or 100.000 samples/day

What about

2013

?

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is currently processing

200.000

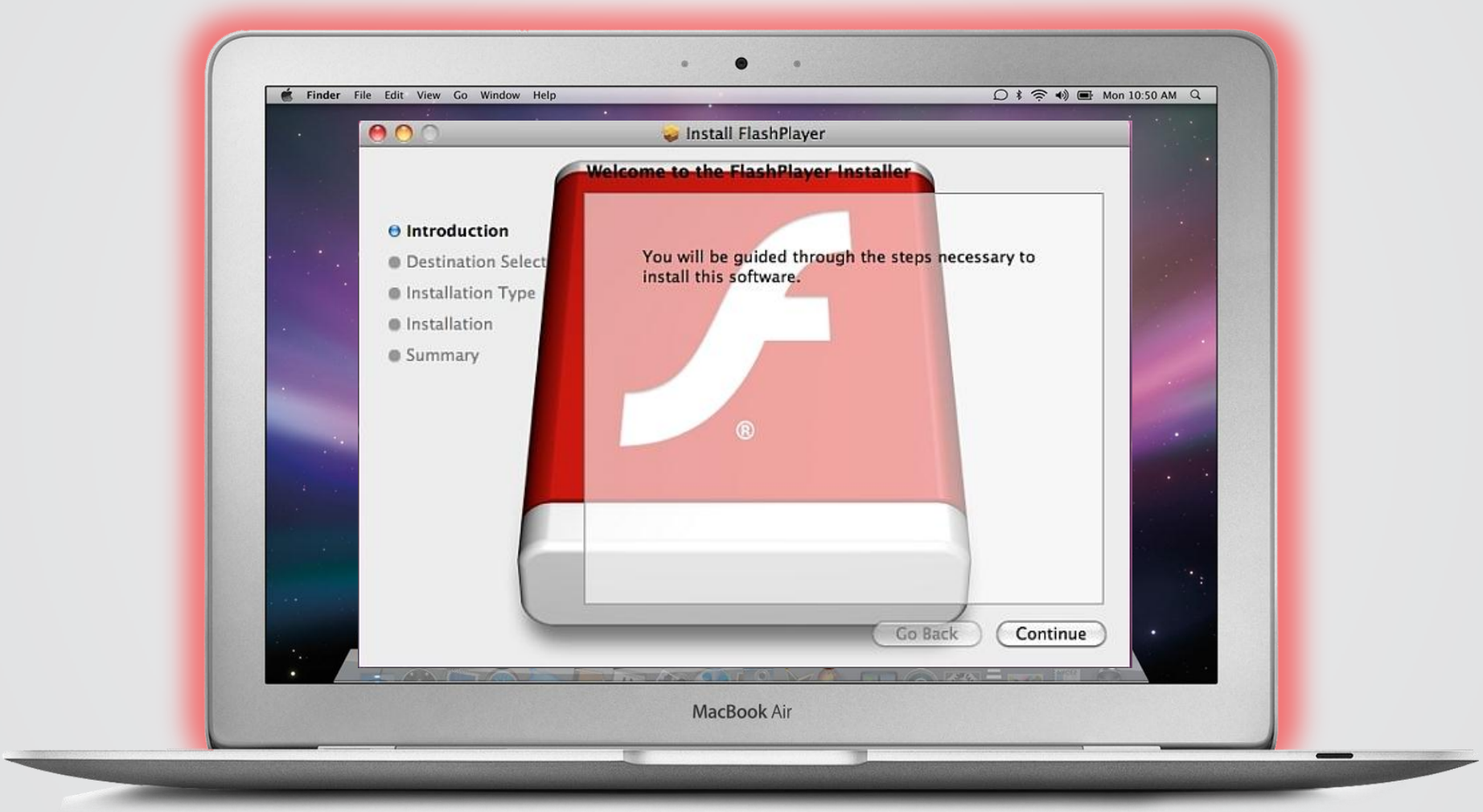
unique malware samples

EVERY DAY

Traditional cybercriminals

are now targeting emerging platforms

WHEN FLASHFAKE STARTED…



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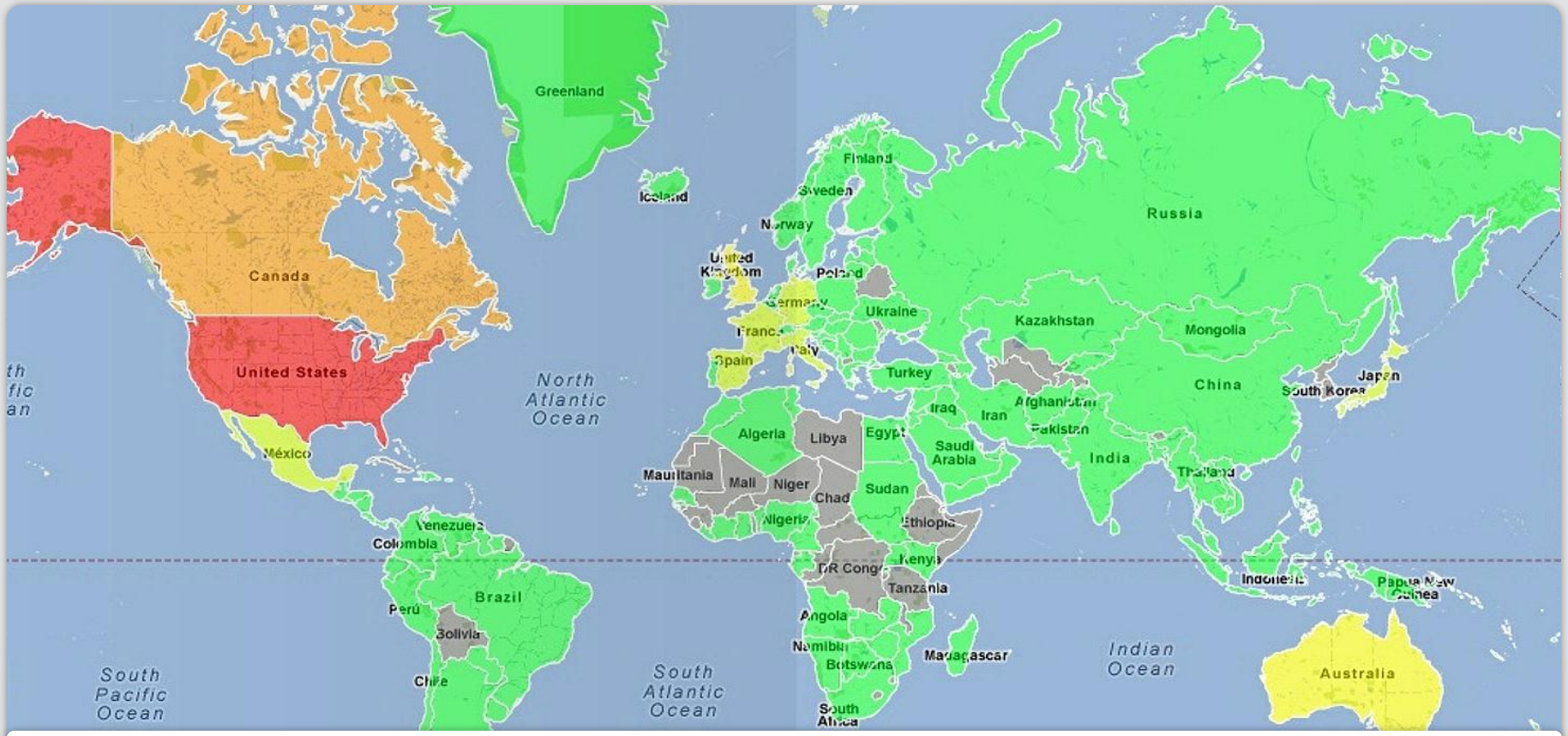
TROJAN-DOWNLOADER.OSX.FLASHFAKE

How did FlashFake manage to infect +700.000 Macs?



94,625 – 300,917	47,109 – 94,625	7,891 – 47,1097	2,547 – 7,891	1 – 2547

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Mobile malware

has become a reality.

WHAT ABOUT MOBILE MALWARE?

2004 – 2010

1160 mobile malware samples

2011

6193 mobile malware samples

December

2137 mobile malware samples

2011 was a year of mobile malware

What about 2012?

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WHAT ABOUT MOBILE MALWARE?

2004 – 2010

1160 mobile malware samples

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In 2012 we've discovered +30000 malicious files for mobiles

What about 2012?

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Cyber warfare

Espionage and sabotage have now moved online

What are we protecting?

The trend: Nation state sponsored attacks are on the rise.

2009 **Aurora**

2010 **Stuxnet**

2011 **Duqu**

2012
- Flame
- Gauss
- miniFlame
- Shamoon

CONCLUSIONS AND PREDICTIONS

Malware will continue to grow exponentially YoY

As long as there's a way to make money out of it, cybercriminals will always create malware

Malware now moving towards emerging platforms

Google's Android and Apple's OS X have never been more targeted by cybercriminals

Cyber-espionage and cyber-sabotage, a common thing

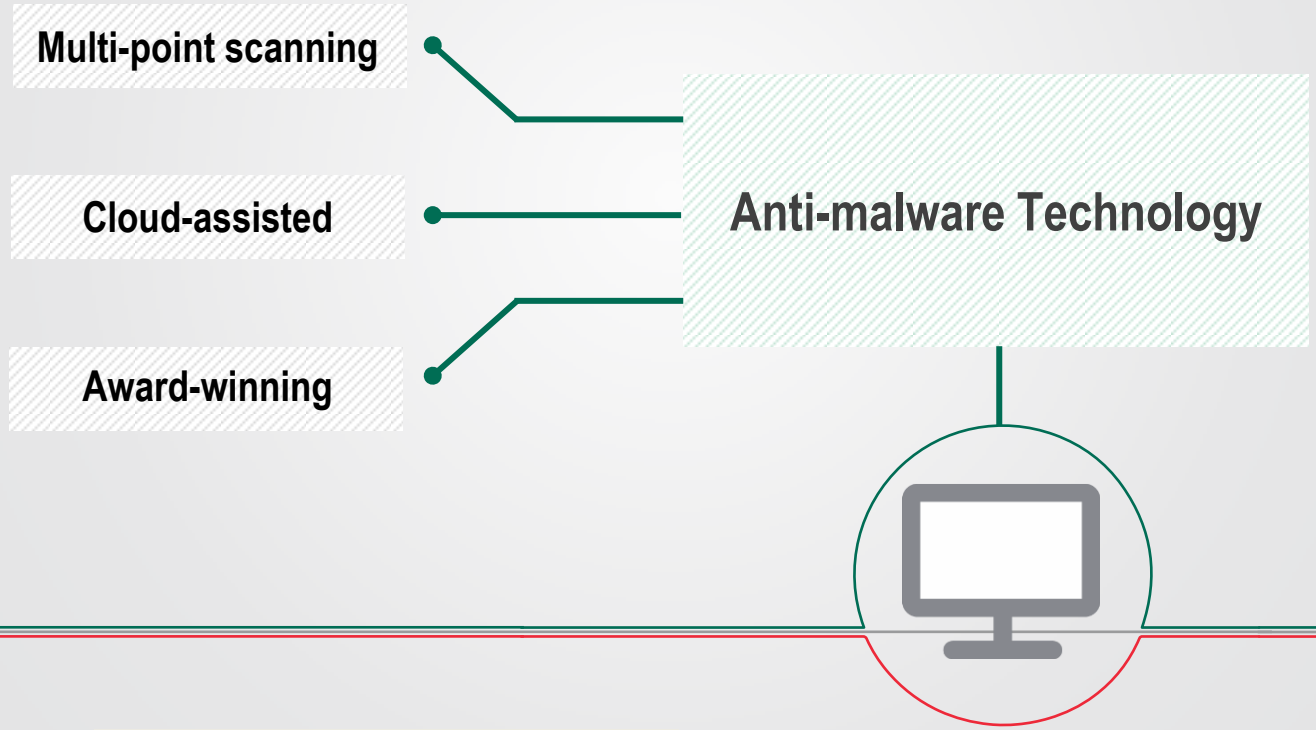
Nation states are currently building defensive (and offensive) cyber capabilities

Technologies

Protection, control & management

Anti-malware

- The foundation of the platform



Automatic Exploit Prevention test efficiency by MRG Effitas

	Exploit 1	Exploit 2	Exploit 3	Exploit 4	Exploit 5	Exploit 6	Exploit 7	Exploit 8	Exploit 9	Exploit 10	Exploit 11	Exploit 12	Exploit 13
Kaspersky Endpoint Security for Business	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kaspersky Internet Security 2013 AEP Only	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Symantec Norton Internet Security 2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
AVG Internet Security 2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
Eset Smart Security	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
Trend Micro Titanium Maximum Security 2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
Avira Internet Security 2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
McAfee Total Protection 2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
Microsoft Security Essentials V4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
F-Secure Internet Security	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
Bitdefender Internet Security	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗

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Application Control with Default Deny

A new approach to enhanced IT security

Application Control is...

An advanced security technology for businesses that helps:

- Minimize the cost of maintaining network security
- Enhance the efficiency of corporate resource usage
- Improve protection against targeted attacks
- Manage software by categories, according to your security policy

Default Deny — game-changing protection

- Blocks all programs except those that have been specifically allowed
- Dynamic whitelisting technology provides greater control over software
- Makes execution of unauthorized code virtually impossible

KASPERSKY lab www.whitelist.kaspersky.com

Evaluating Application Control

Independent industry specialists West Coast Labs invited 7 vendors to take part in the industry's first deep testing:

Accepted the invitation

- Kaspersky Lab
- Symantec
- McAfee
- Fourth vendor*

Declined the invitation

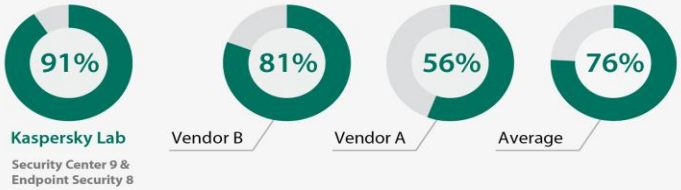
- Lumension
- Bit9
- Coretrace

A weighting system was introduced for easier **evaluation** of results.

* A vendor who participated in the testing but then, subsequent to the testing being completed, requested to withdraw

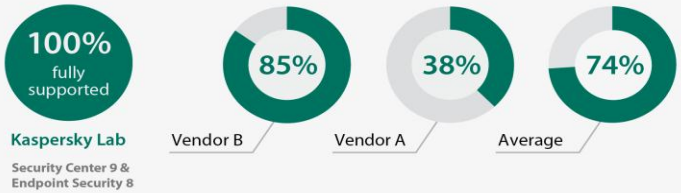
Application Control test results

Kaspersky Lab, McAfee, Symantec *



* indicates how fully the technology was implemented by a certain vendor

Default Deny test result



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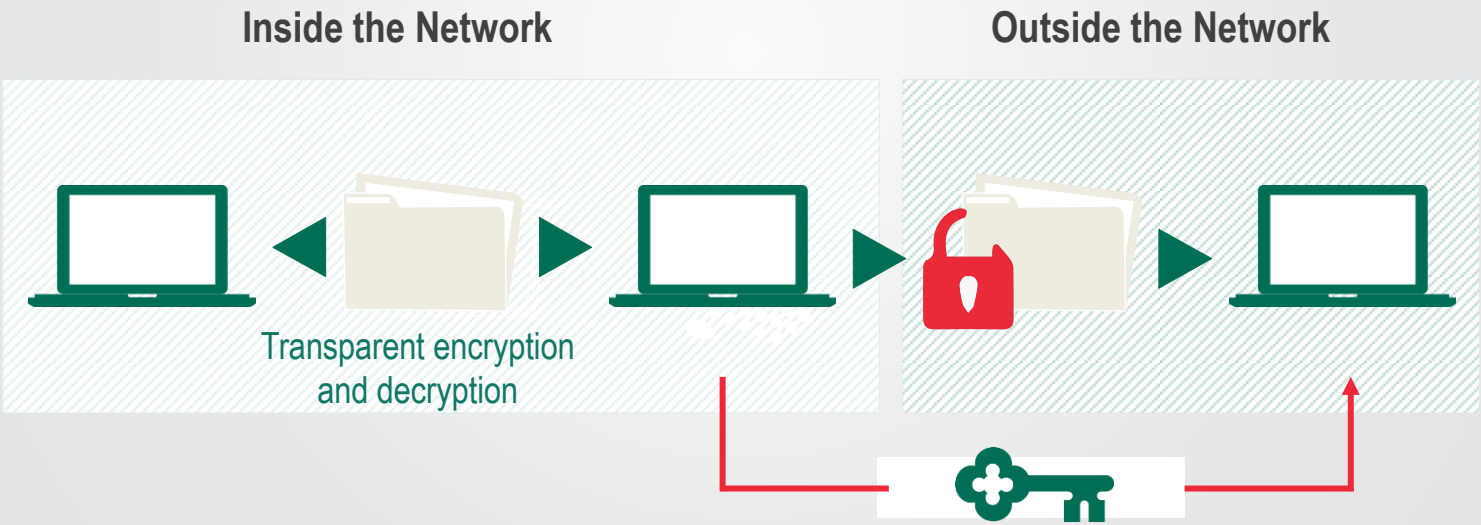
Data encryption

Keeping your data safe, wherever it goes

Encryption features

- File / folder or full-disk
- Transparent to end-users
- Integrates with device control and application control



Mobile security

Anti-Malware

Anti-Theft

Policy Enforcement

Data Protection

Systems management

- Staying up-to-date just got faster and easier

SYSTEM PROVISIONING

- Create images
- Store and update
- Deploy

LICENCE MANAGEMENT

- Track usage
- Manage renewals
- Manage licence compliance

REMOTE TOOLS

- Install applications
- Update applications
- Troubleshoot

VULNERABILITY SCANNING

- HW and SW inventory
- Multiple vulnerability databases

ADVANCED PATCHING

- Automated prioritisation
- Reboot options

NETWORK ADMISSION CONTROL (NAC)

- Guest policy management
- Guest portal

Solutions

Main factors

Technological factor

Human factor

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Technological factor

Chose the technological partner, not the marketing one

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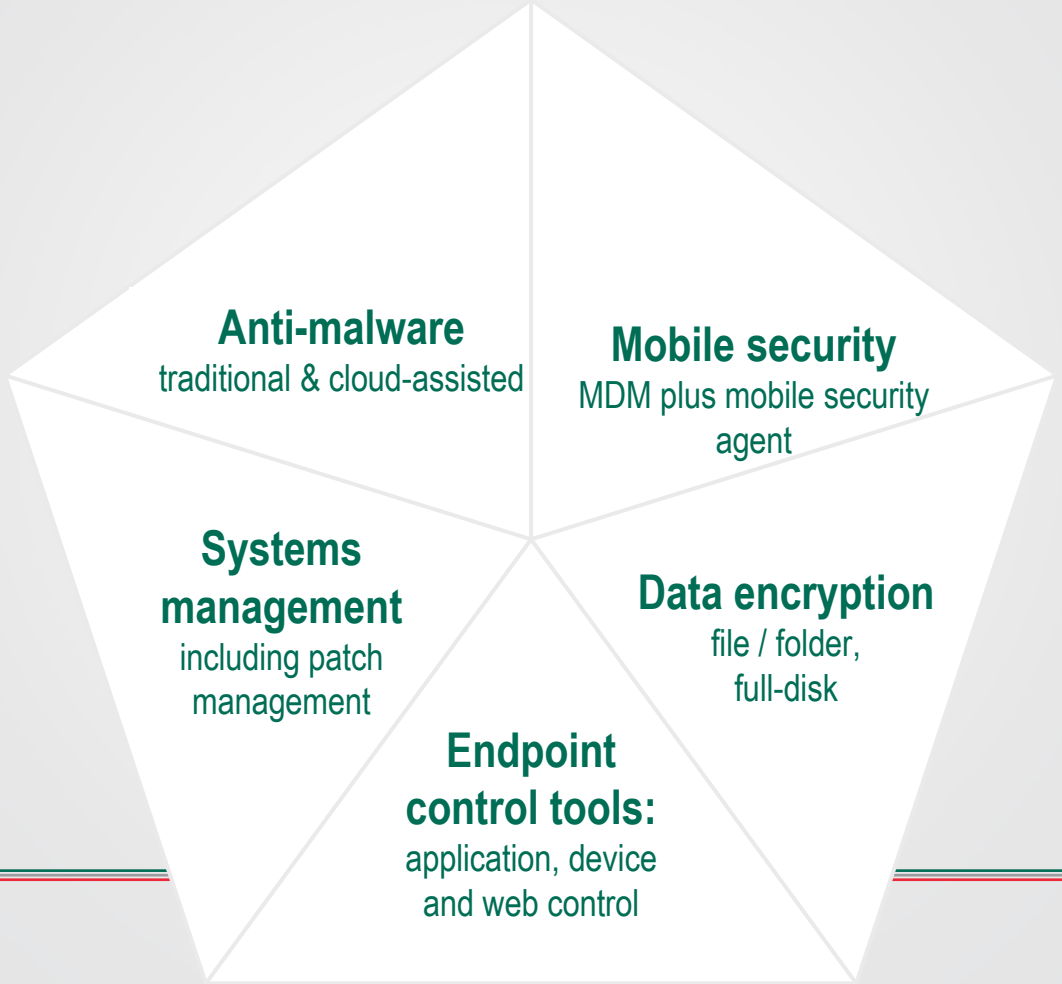
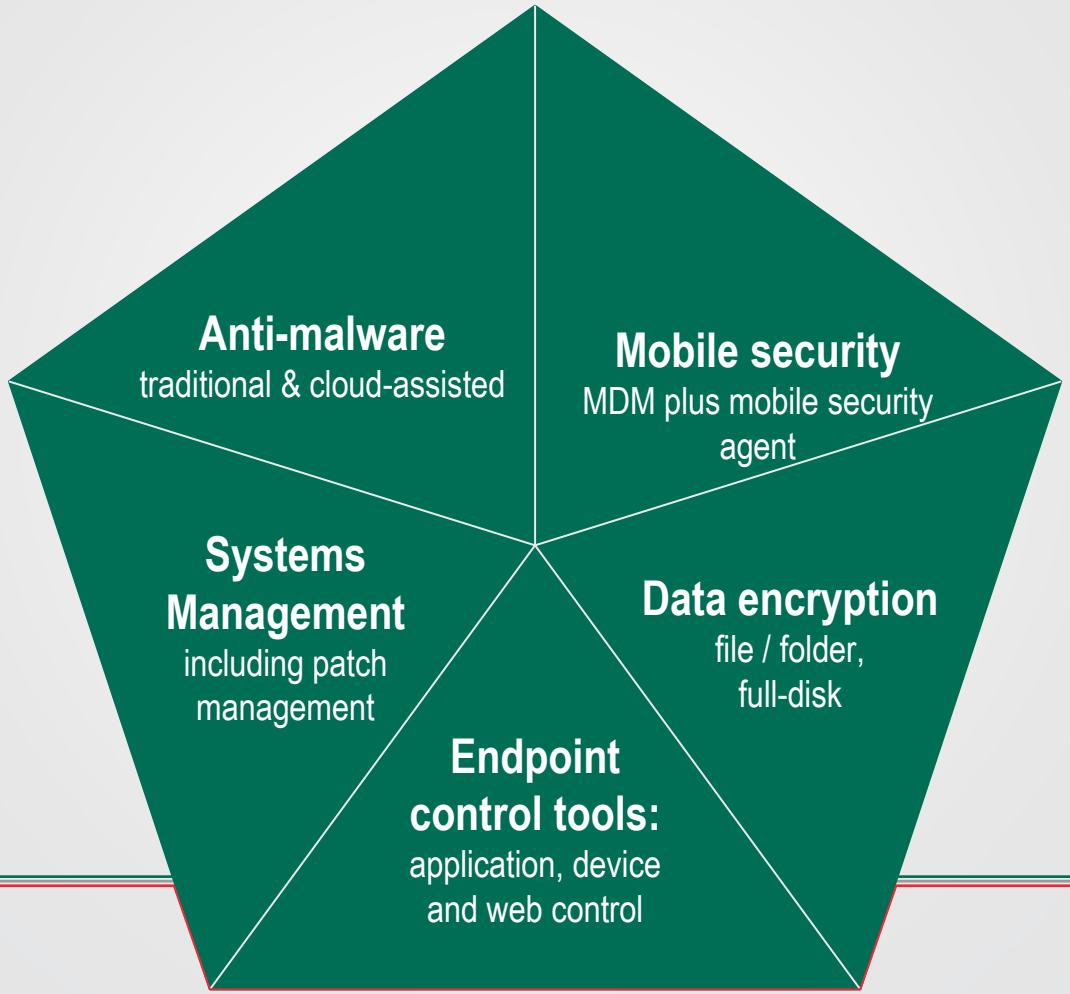
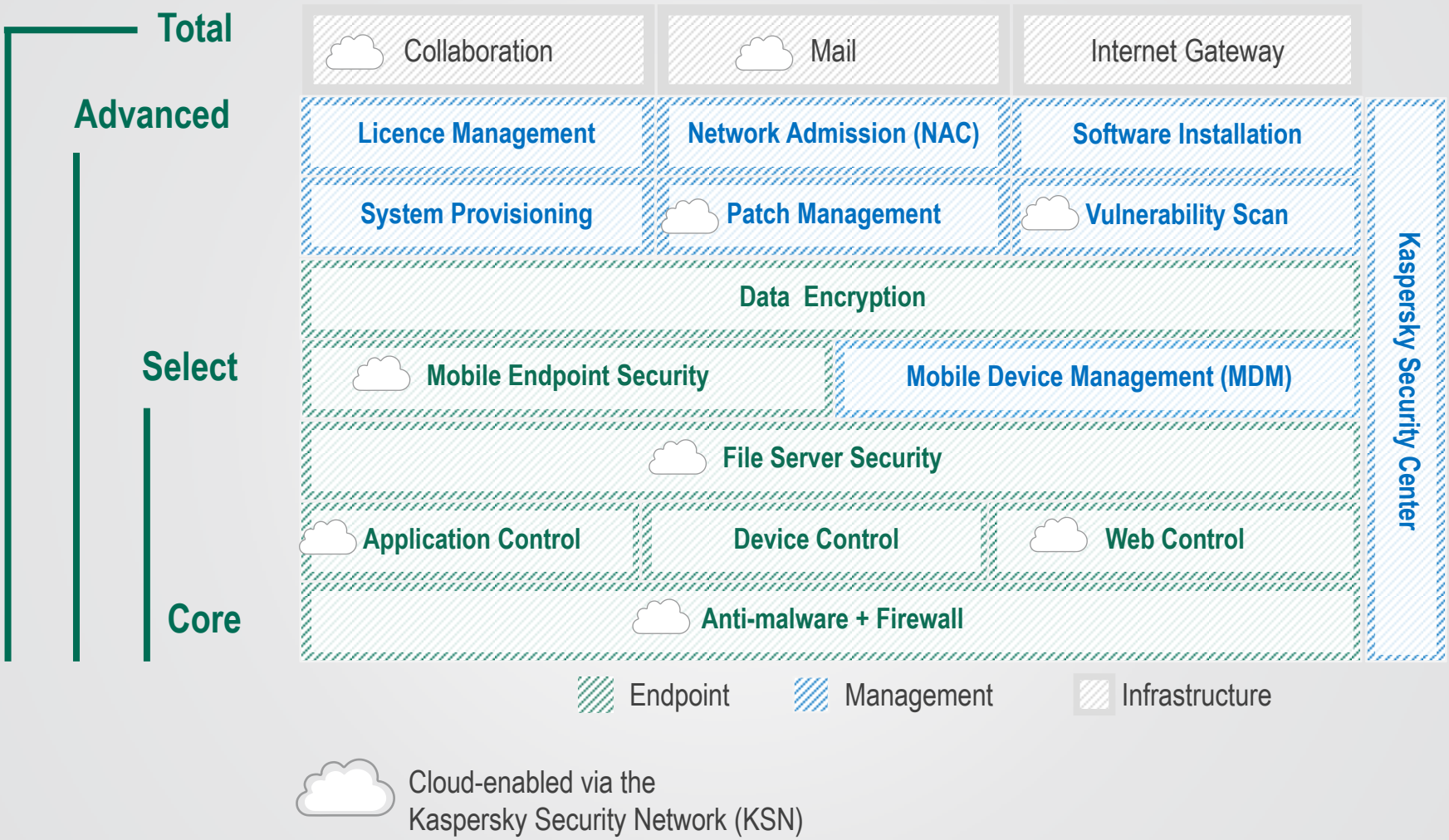
One single platform that contains:



All managed through a single management console



Kaspersky Endpoint Security for Business:



Human factor

Education

- www.securelist.com/blog
- www.secureviewmag.com
- www.threatpost.com
- support.kaspersky.com

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Thank you!

Questions?

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