

# The modern threat landscape



**It's time to rethink IT security (with Sophos)**

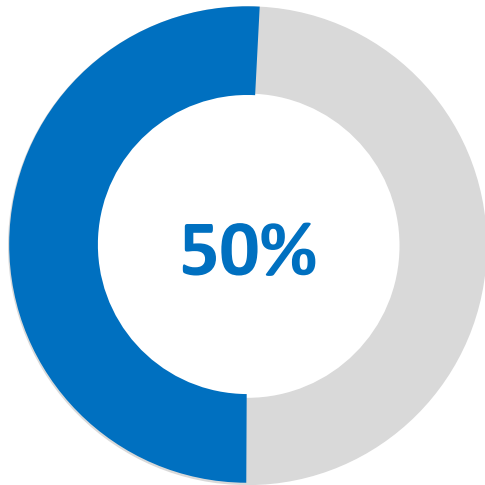
Jorn Lutters, Pre-Sales Engineer for Sophos

**SOPHOS**

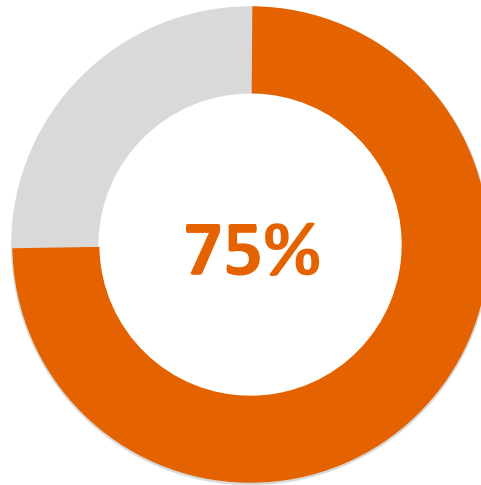
# Professionalized attackers



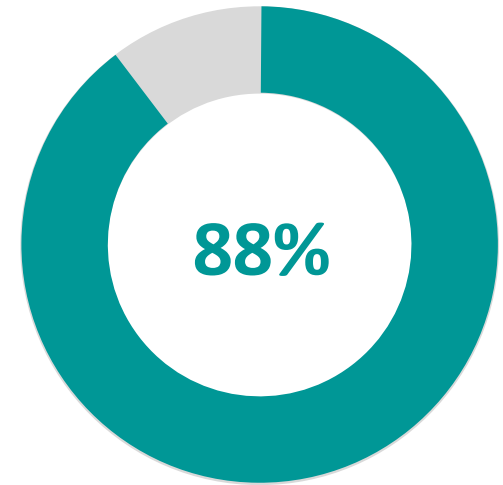
## Welcome to the Age of Personalized Malware



**50%** of our detections are based on only 19 malware identities.



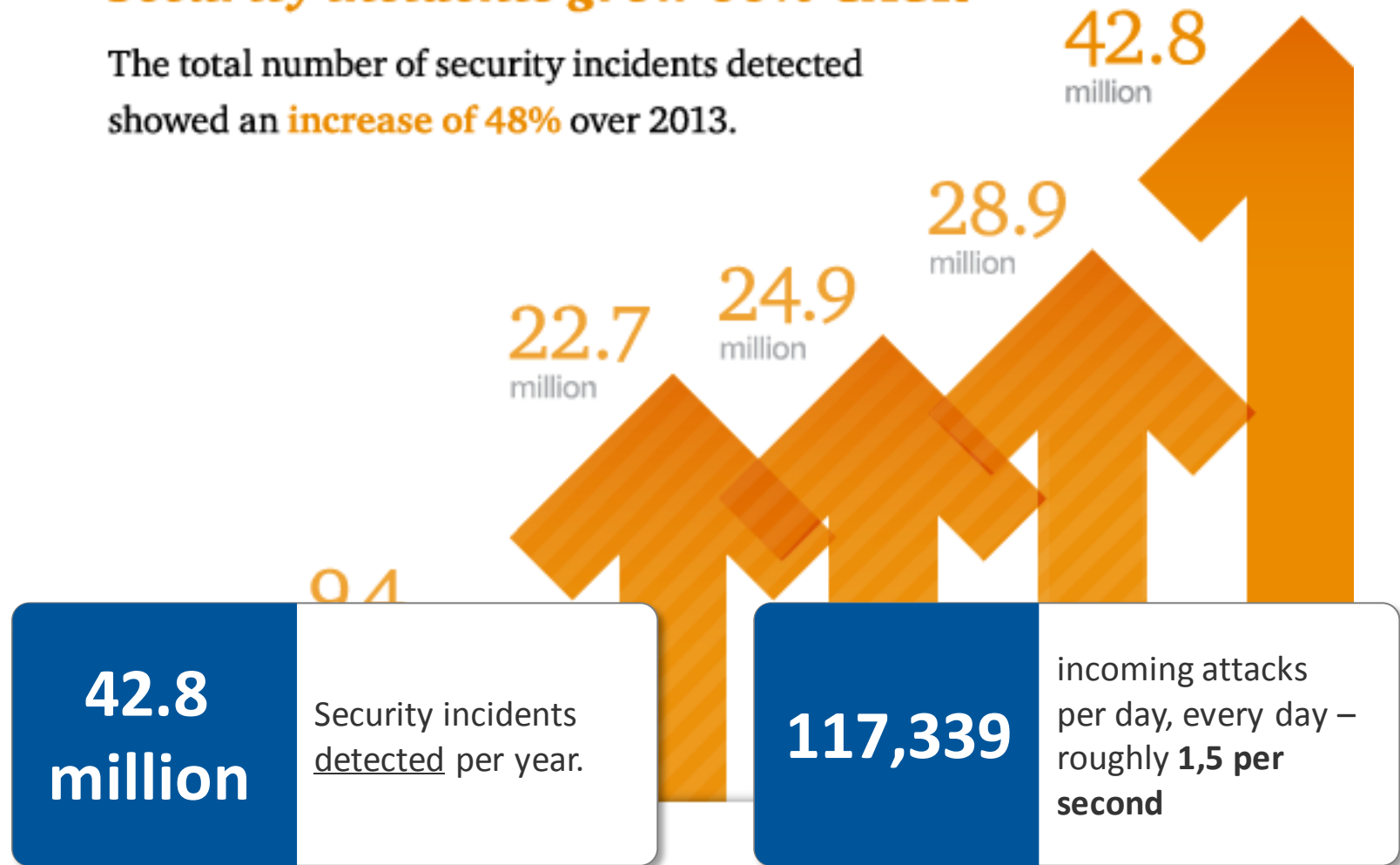
**75%** of unique pieces of malware are targeted attacks (i.e., are not seen beyond the organization targeted).



**88%** of malware found in fewer than 10 other organizations.

## Security incidents grow 66% CAGR

The total number of security incidents detected showed an **increase of 48%** over 2013.



© PWC Information Security Survey 2015

**Bigger targets  
with bigger  
impact**



**SOPHOS**

# CREDIT CARD INFORMATION COMPROMISED

## PEOPLE AFFECTED



HOME DEPOT

**60 MILLION**




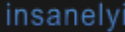

























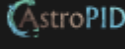




*reported*



TARGET

**40 MILLION**

SOURCE: THE NEW YORK TIMES/TARGET

	152,445,165	Adobe accounts		116,465	Pokemon Creed accounts
	4,821,262	mail.ru Dump accounts		104,097	Insanelyi accounts
	4,789,599	Bitcoin Security Forum Gmail Dump accounts		56,021	Vodafone accounts
	4,609,615	Snapchat accounts		55,622	Spirol accounts
	1,247,574	Gawker accounts		45,018	Lounge Board accounts
	1,186,564	Yandex Dump accounts		38,108	Pixel Federation accounts
	1,057,819	Forbes accounts		37,784	Muslim Directory accounts
	859,777	Stratfor accounts		37,103	Sony accounts
	855,249	Manga Traders accounts		36,789	BigMoneyJobs accounts
	530,270	Battlefield Heroes accounts		35,368	Fridae accounts
	453,427	Yahoo accounts		28,641	hemmelig.com accounts
	227,746	Cannabis.com accounts		26,596	Business Acumen Magazine accounts
	202,683	Win7Vista Forum accounts		20,902	Bell accounts
	191,540	hackforums.net accounts		16,919	Verified accounts
	180,468	AhaShare.com accounts		5,788	Astropid accounts
	158,093	Boxee accounts		3,200	UN Internet Governance Forum accounts
	148,366	WPT Amateur Poker League accounts		2,239	Tesco accounts



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6 August 2014 Last updated at 15:39 GMT



# Russia gang hacks 1.2 billion usernames and passwords



The group is alleged to have stolen credentials from hundreds of thousands of websites globally

A Russian group has hacked 1.2 billion usernames and passwords belonging to more than 500 million email addresses, according to Hold Security - a US firm specialising in discovering breaches.

Hold Security described the hack as the "largest data breach known to date".

It claimed the stolen information came from more than 100,000 websites

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# Outdated security principles





# Problem 1: Complexity



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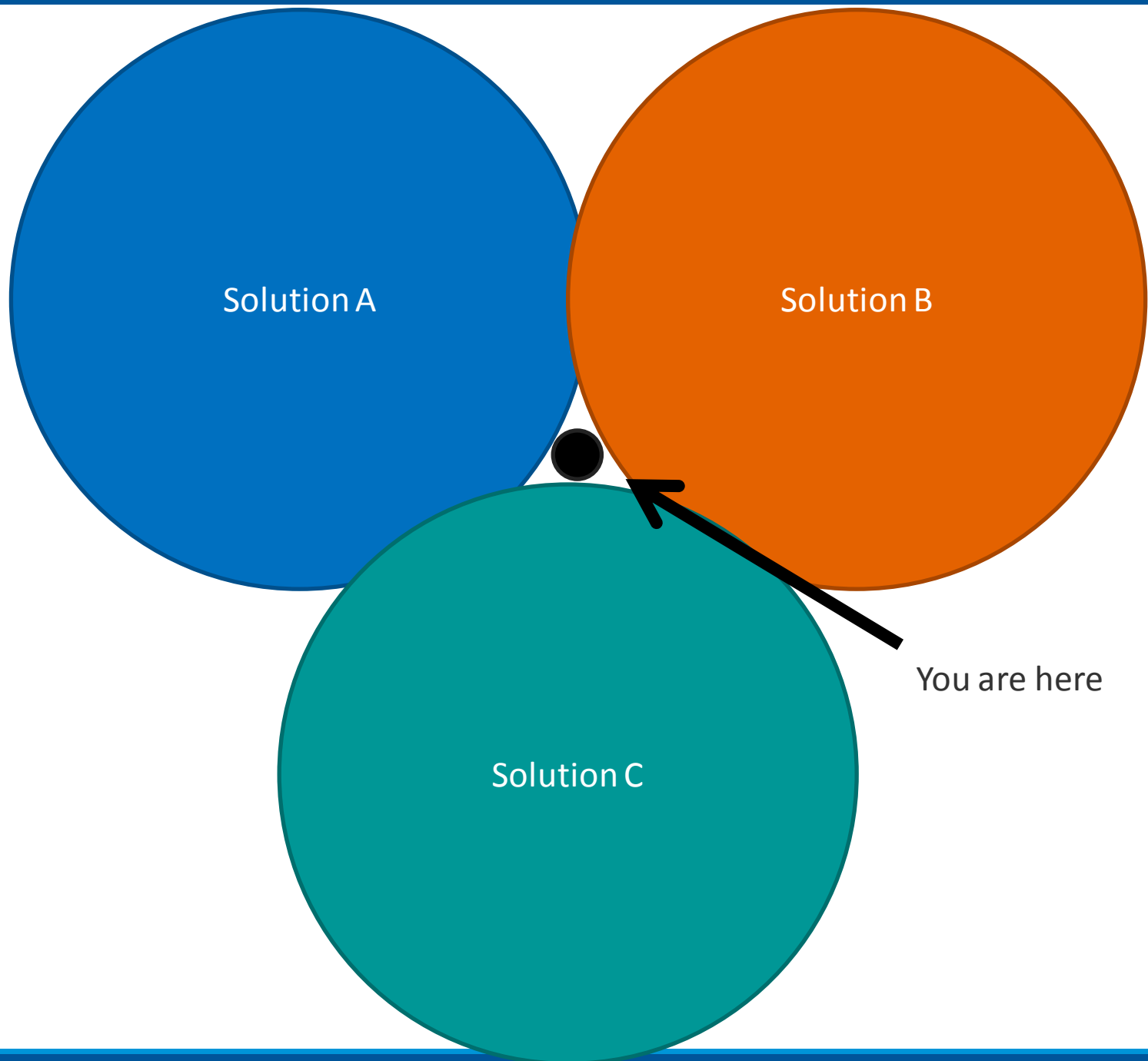
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# Problem 2:

## The gap



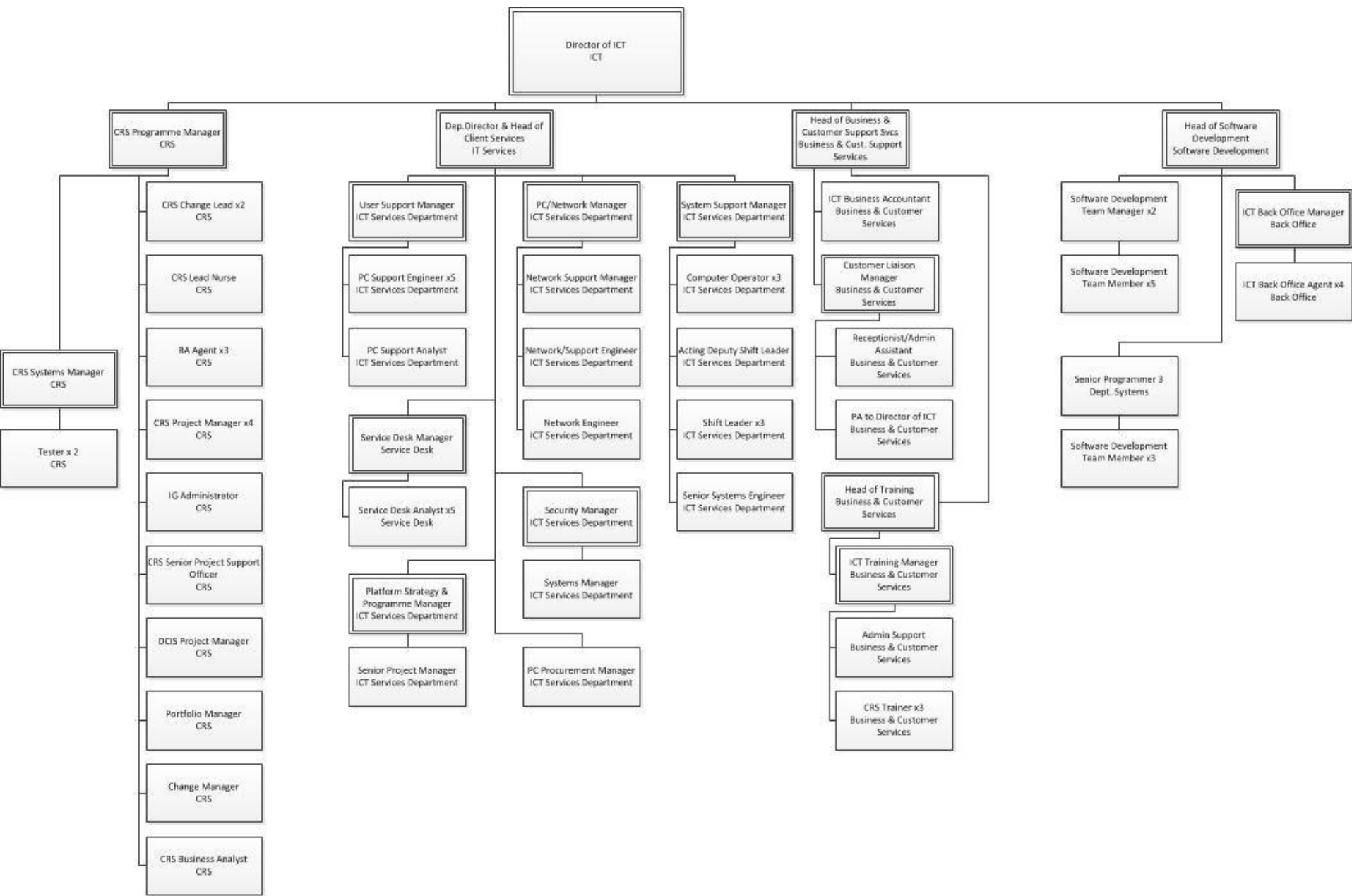




# Problem 3:

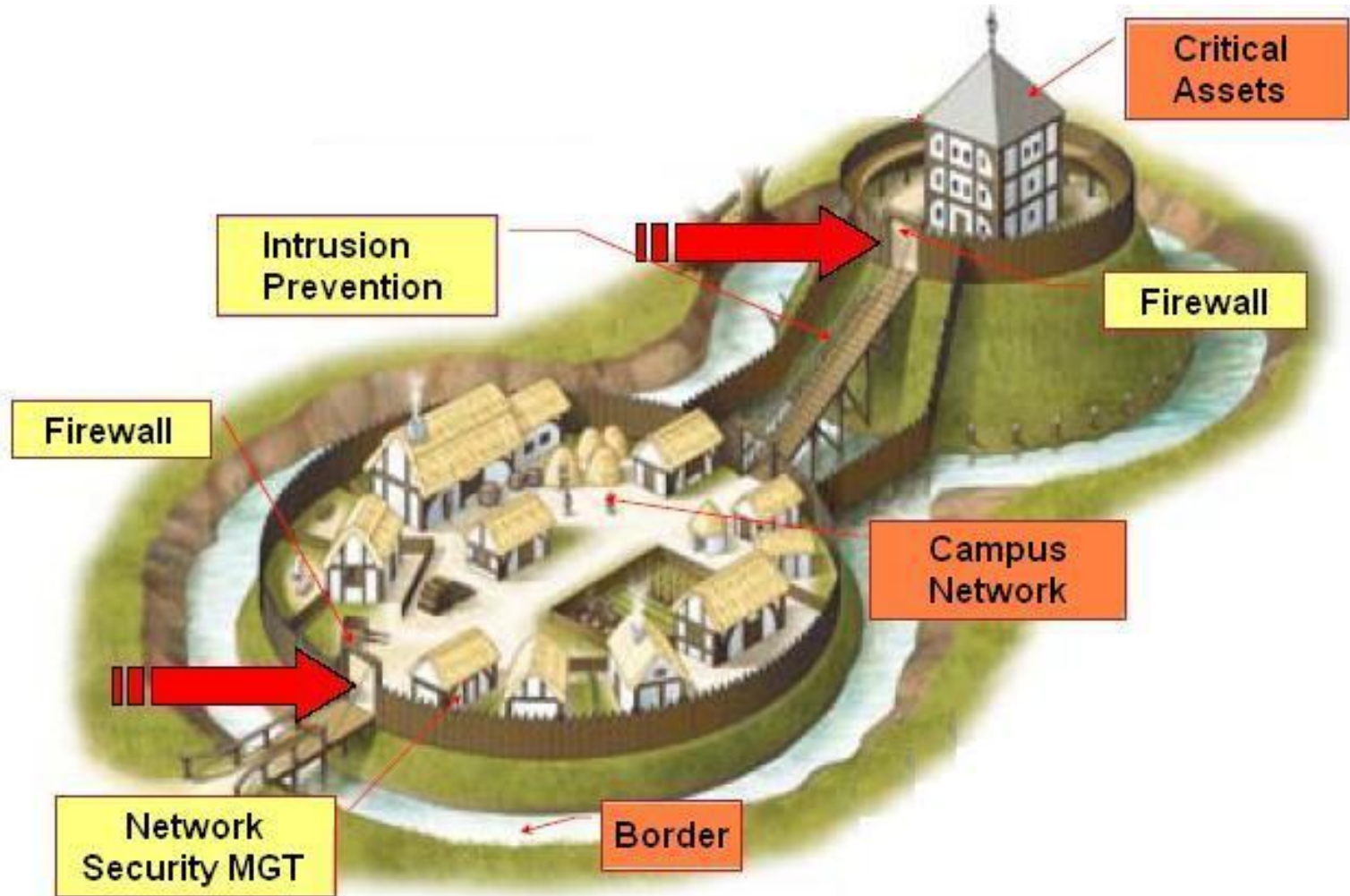
## Segmentation





# Security theory 101 (back to basics)







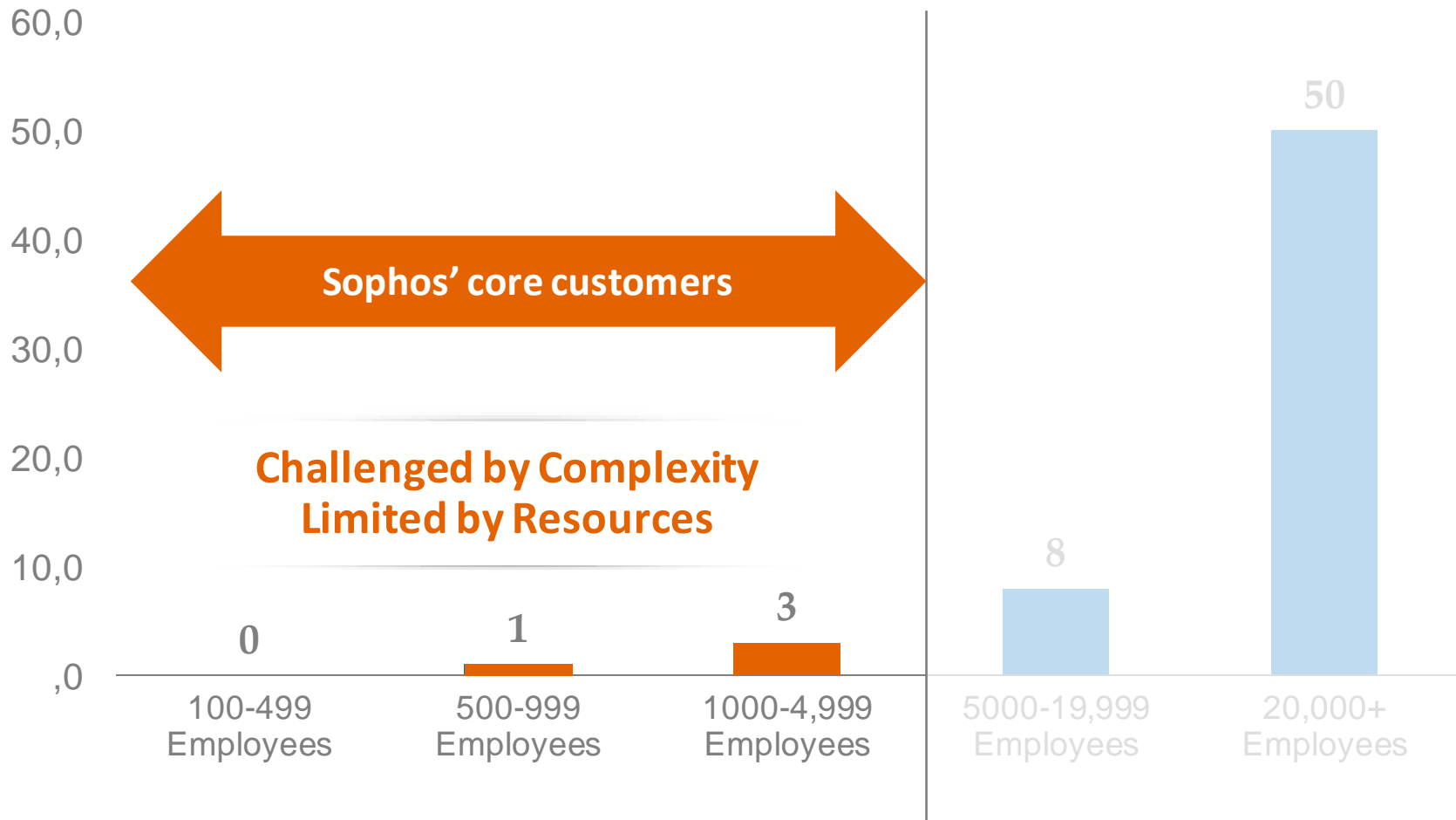




**Sophos:  
Security made  
simple**

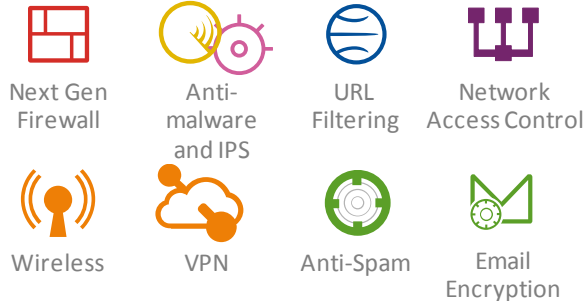


**SOPHOS**

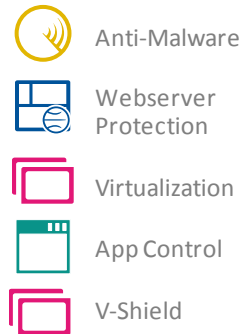


## Complete Security...

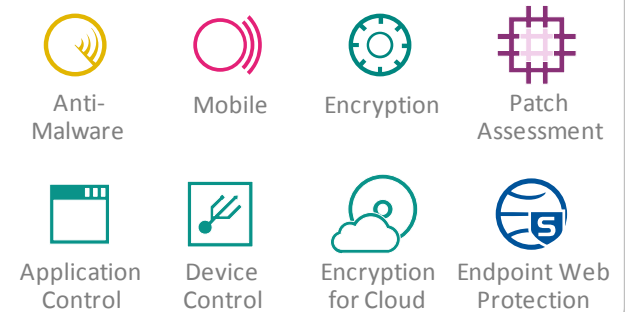
### Network



### Servers



### End Users and Devices



## Made Simple.

### Simple Deployment

- On premise
- Virtual
- Cloud
- User self provision



### Simple Protection

- Active Protection – real-time protection powered by [SophosLabs](#)
- Live lookups via the Cloud
- [SophosLabs](#) experts tune the protection so you don't have to



### Simple Management

Intuitive consoles:  
On Premise or  
From the Cloud

Backed by expert support





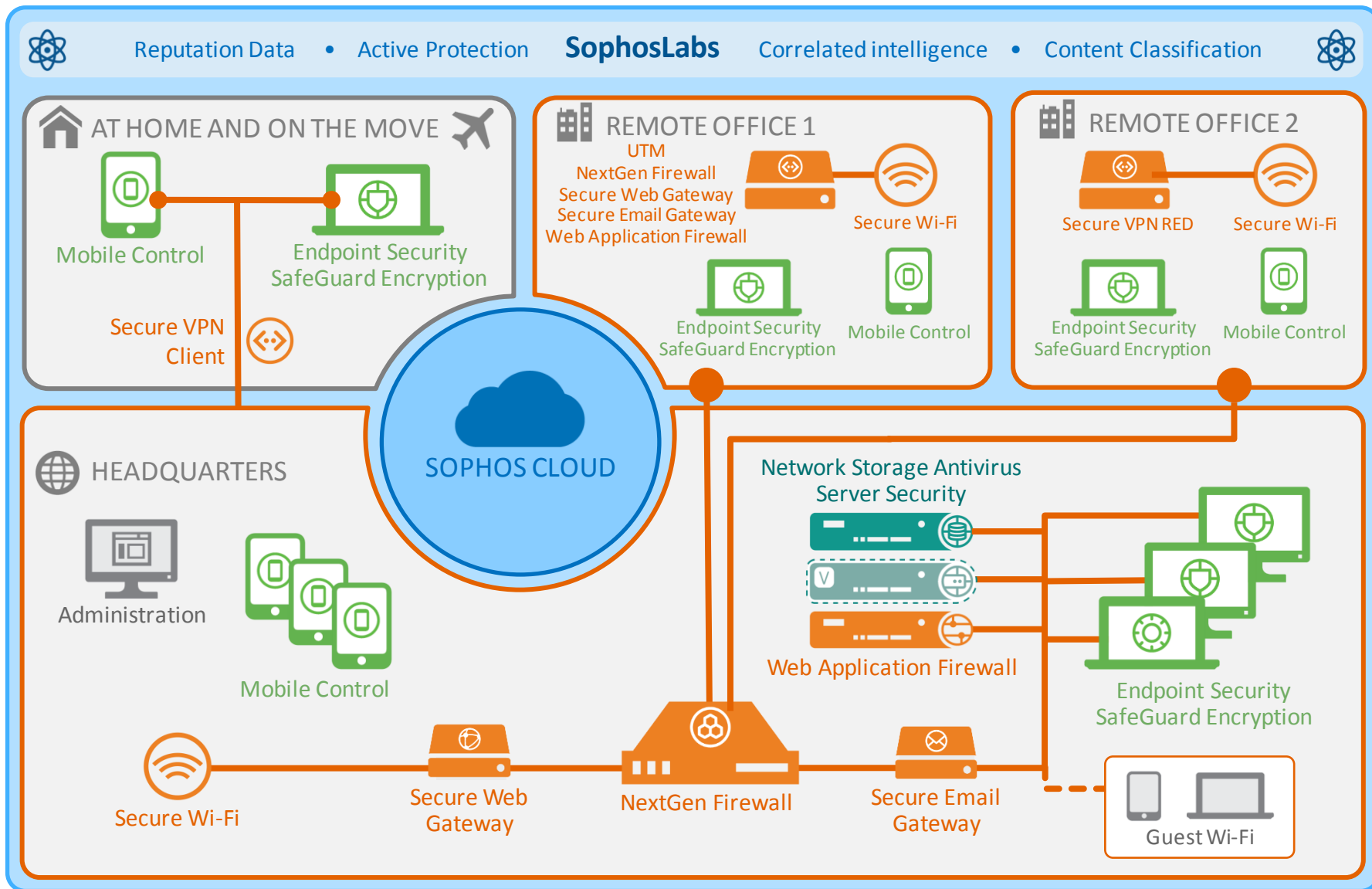
Reputation Data

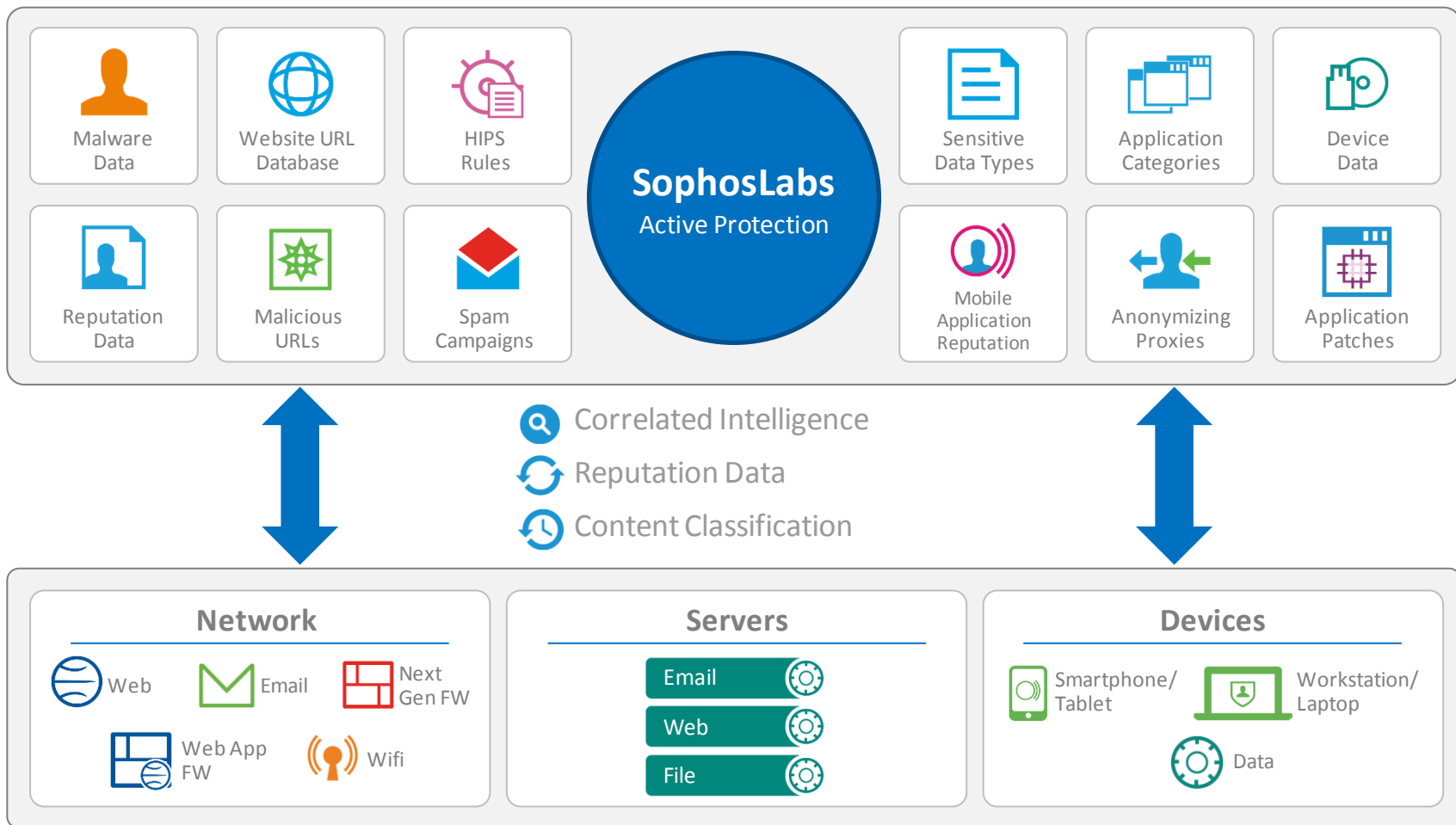
• Active Protection

**SophosLabs**

Correlated intelligence

• Content Classification





Anti-spam



Firewall



Encryption



Sophos Complete Security

Anti-malware



BYOD solution



Usage policies

Security Management





USABILITY

