It's tough to make the right IT decisions...

...if you don't have a clear view of where you want to go.



Standard Chartered launches Cital banki Money Banking



By Der Current accounts | Mortgages | Credit cards | Savings

SUMMARY:

The ^



Peer-to-peer giant Zopa to launch digital bank











O Comments

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How 1 By Be





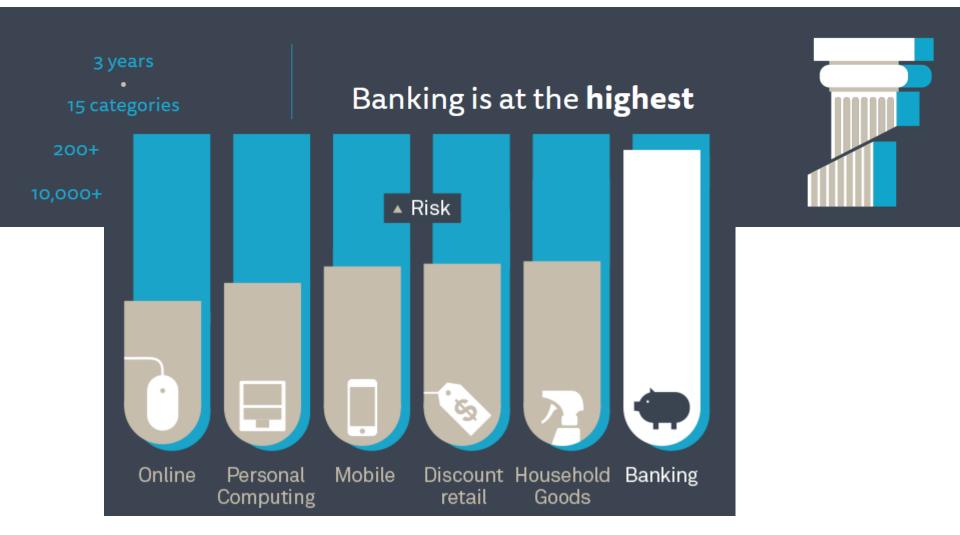
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Opinions expressed by Forbes Contributors are their own.

THE MILLENNIAL DISRUPTION INDEX

























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Retail Banking





















Transaction Banking











Investment Banking











Insurance

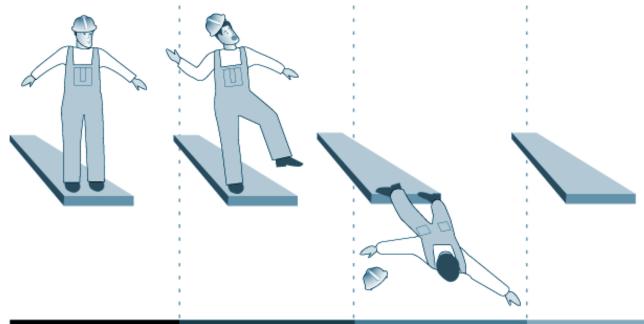






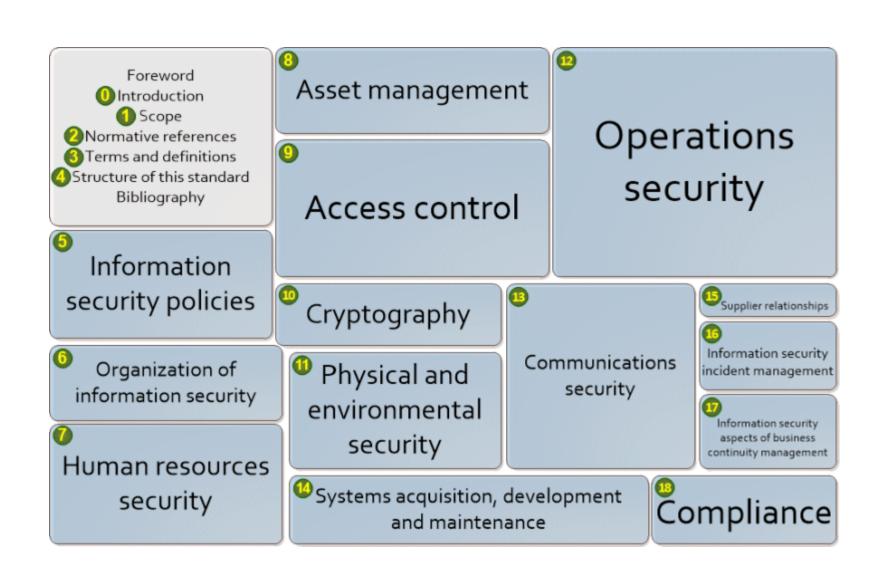




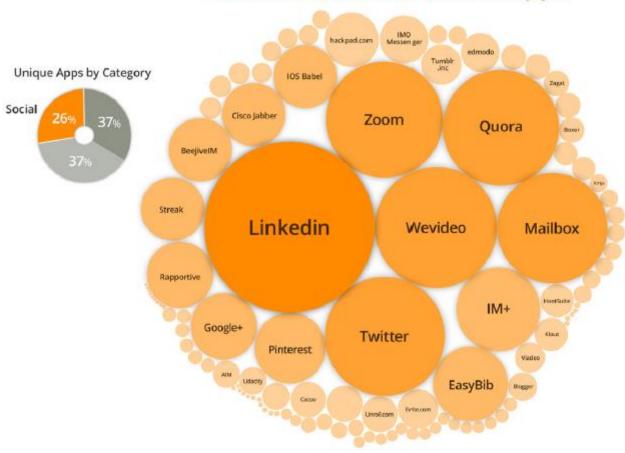


LACK OF CONTROL	LOSS OF CONTROL		BODY EXPOSED TO ENERGY
Fall protection was missing Co-worker sick, replaced by apprentice Crane also needed elsewhere Building worker erected slab crooked Building worker walked out on beam to re-align slab	Building worker slipped,	and fell	Rib broke, lung was punctured
	.		

Source: Kjellén and Hovden 1993.

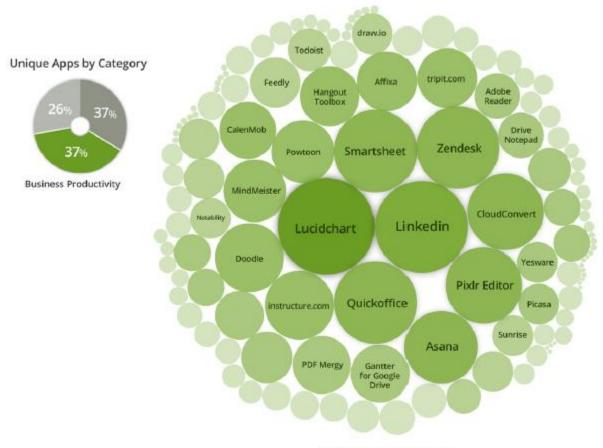


Top Third-Party Apps Social & Communication Apps

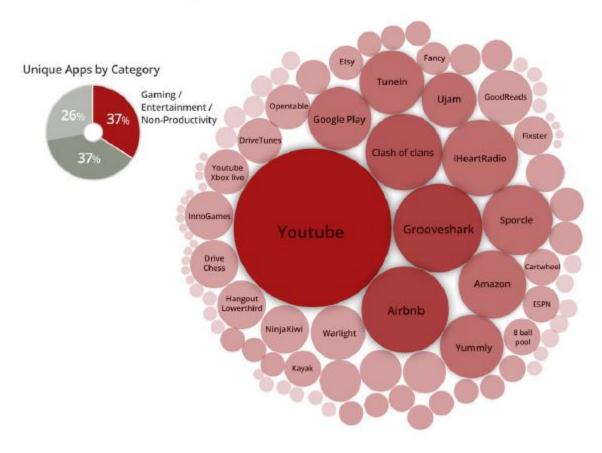


Color shows sum of total installs

Top Third-Party Apps Business Productivity Apps



Top Third-Party Apps Gaming / Entertainment / Non-Productivity Apps



Color shows sum of total installs





























Retail Banking













































Insurance

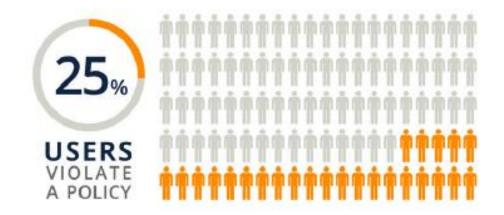














Trends and Challenges



CISO role maturing 98.0% have CISO role; 89.8% of CISOs report to CIO

47.9% have budget increases (YoY); 75.5% cited lack of sufficient budget as top challenge

> Approved strategies are still largely missing



Cyber threats

Increasing sophistication

of threats #2 barrier;

74.5% malicious code top

external data breach

Role standardization Over 96% of CISOs shared similar top five functions

Confidence Gap Ability to protect against external attacks; Only 24% CISOs vs.





Talent crisis 59% of CISOs choose talent as #3 top barrier; 9 out of 10 choose salary as top barrier to staffing

Call to Action

Define and establish new executive roles Support responsibilities with CPO and security technology roles



Communicate risks and impacts Periodically communcate to business leaders to obtain commitment and funding



Document and approve Define cybersecurity strategy to obtain appropriate funding



Define and measure Establish metrics, align them to business values



Periodically assess security

Stay abreast of emerging technologies and threats; build vigilant and resilient capabilities

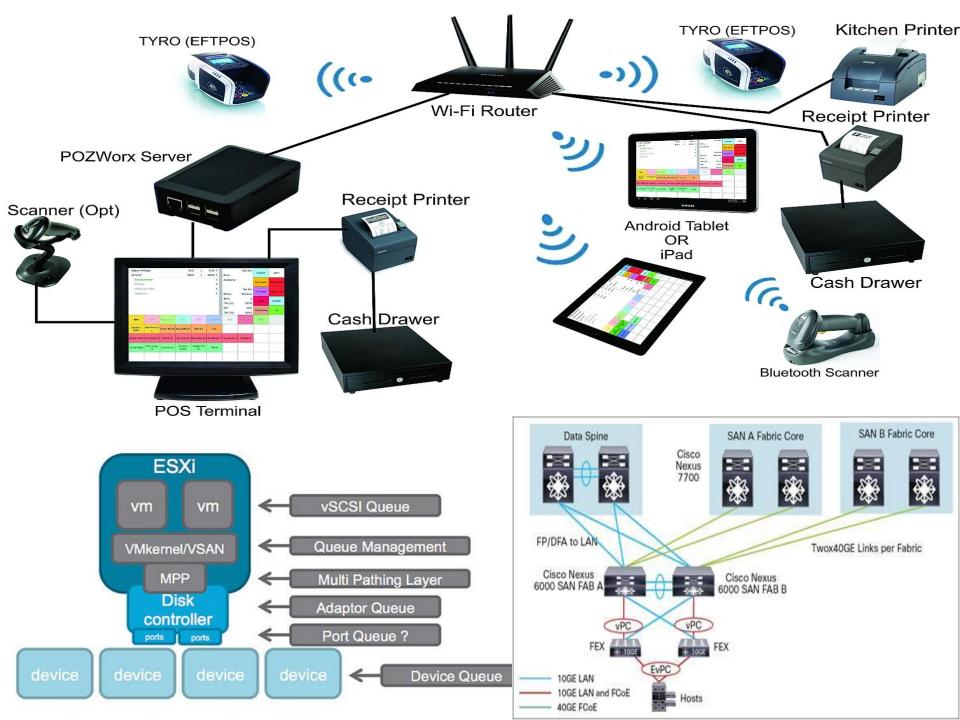


Collaborate with HR Establish millenials-focused talent management

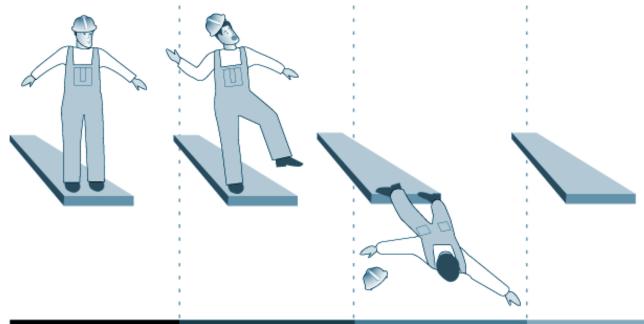


Embrace outsourcing of cybersecurity functions Bridge the talent inadequacy



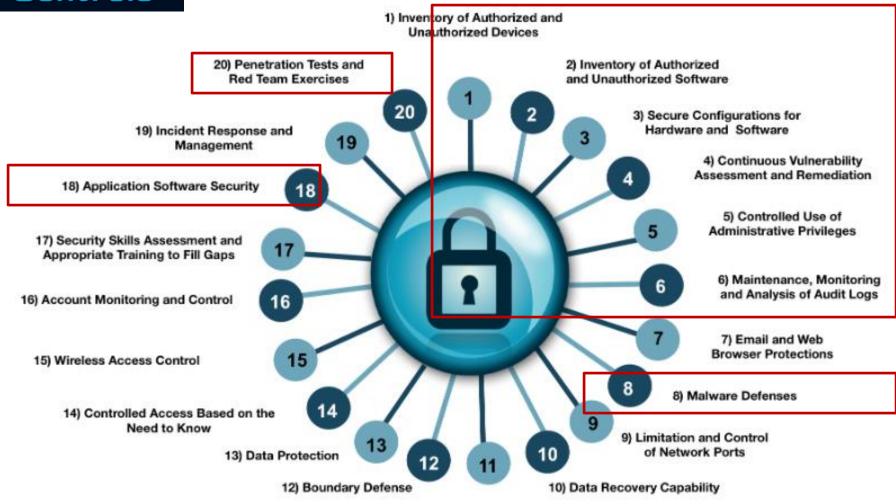






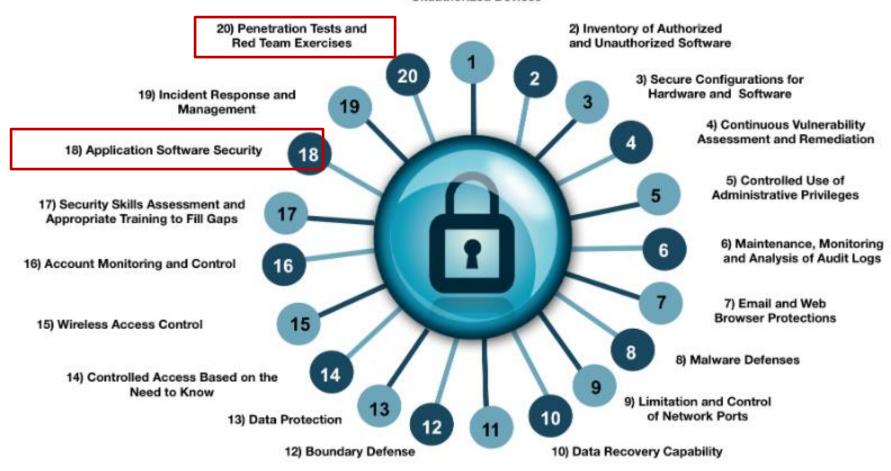
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Source: Kjellén and Hovden 1993.



11) Secure Configurations for Network Devices

Inventory of Authorized and Unauthorized Devices



11) Secure Configurations for Network Devices



Deliver, Service and Support (DSS)

Manage Business Process Controls

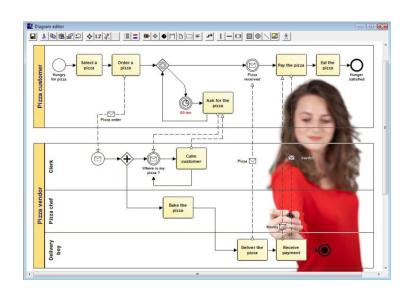
DSS06 Manage Business Process Controls

Process Description

Define and maintain appropriate business proc to and processed by in-house or outsourced bu information control requirements. Identify the manage and operate adequate controls to ensisting satisfy these requirements.

Process Purpose Statement

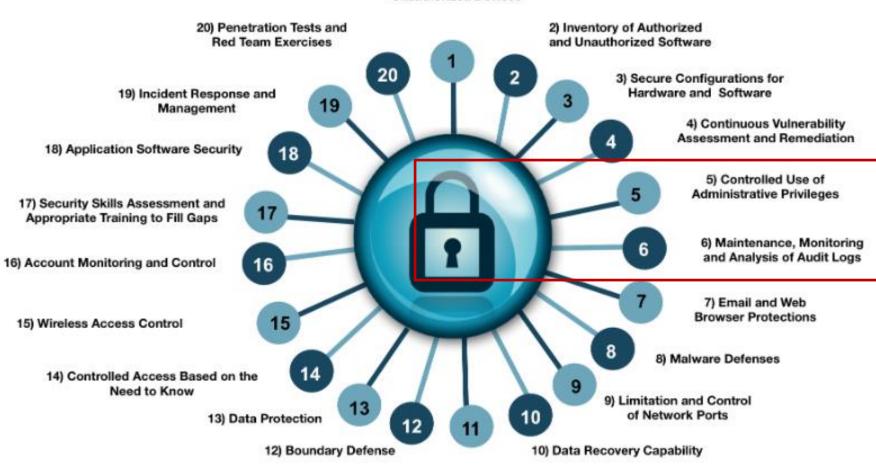
Maintain information integrity and the security processes in the enterprise or outsourced.



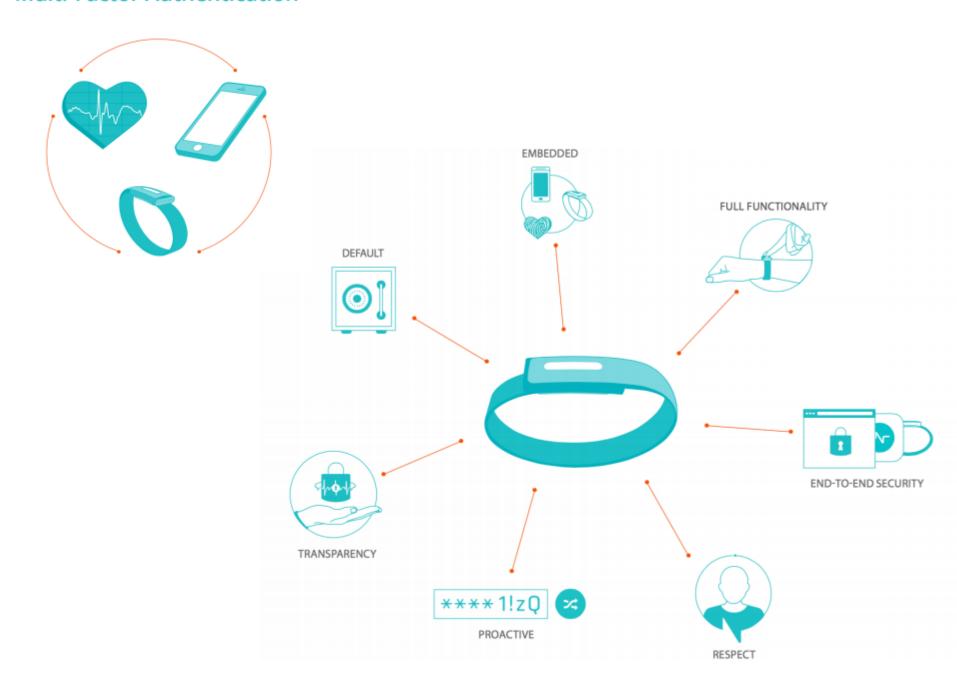
COBIT 5

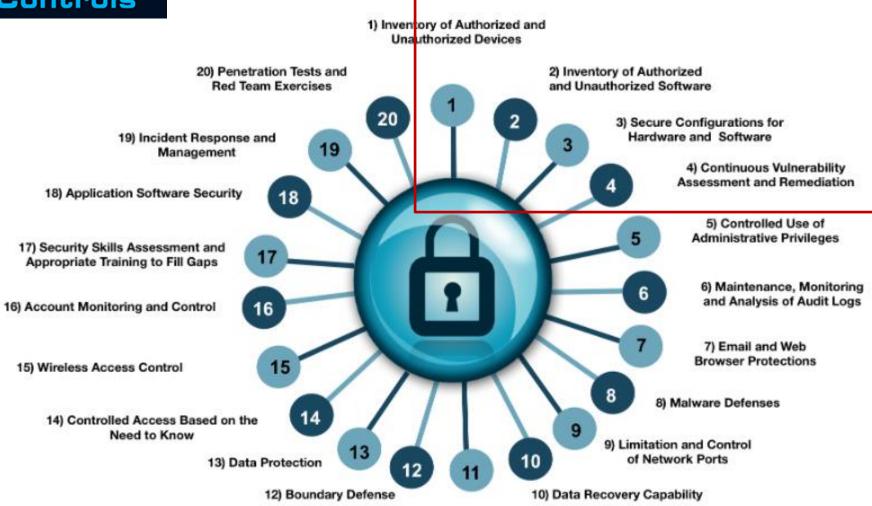
Key Governance Practice	Board	Chief Exec	Chief Finar	Chief Oper	Business E	Business P	Strategy E	Steerina (F	Committee Project Ma	Value Man	Chief Risk	Chief Infor
DSS06.01 Align control activities embedded in business processes with enterprise objectives.		С	С	С	Α	R					1	I
DSS06.02 Control the processing of information.		R	R	R	A	R					1	ı
DSS06.03 Manage roles, responsibilities, access privileges and levels of authority.			R		Α	R						1
DSS06.04 Manage errors and exceptions.				1	1	Α						
DSS06.05 Ensure traceability of Information events and accountabilities.					С	Α						1

1) Inventory of Authorized and Unauthorized Devices



Multi-Factor Authentication

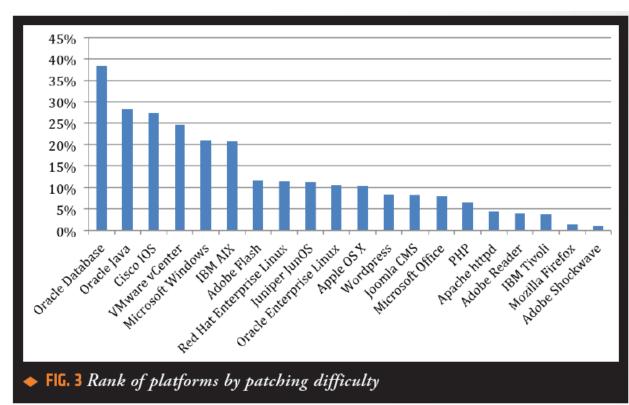


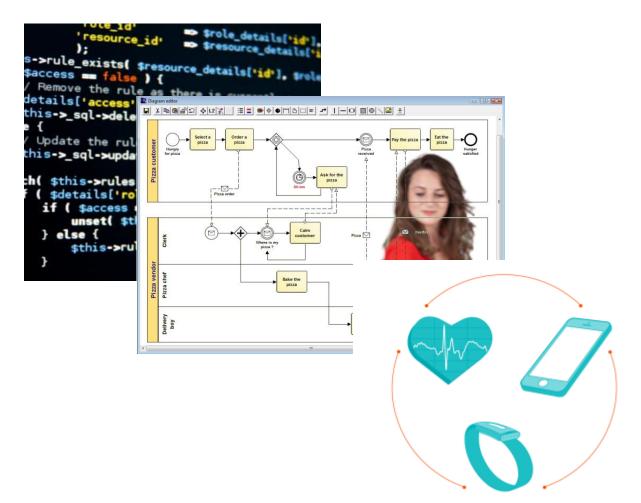


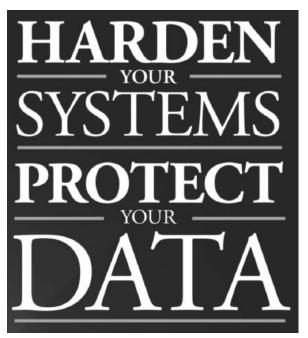
11) Secure Configurations for Network Devices



PATCH FATIGUE

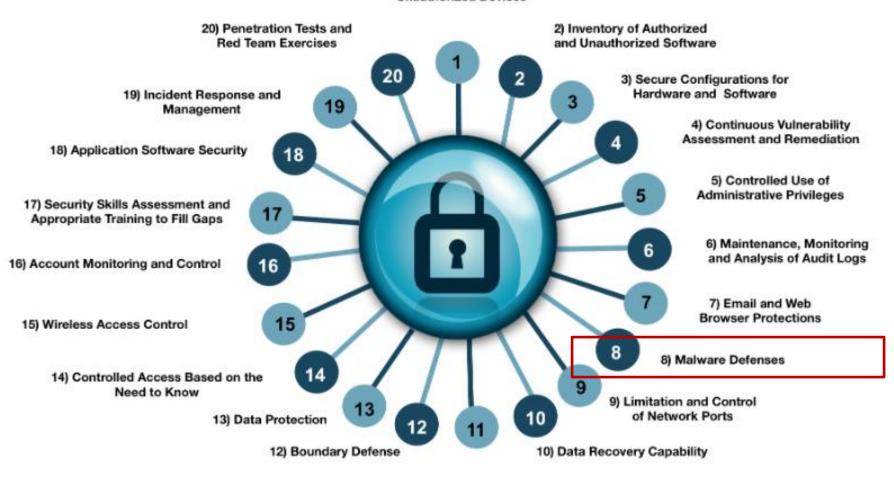








Inventory of Authorized and Unauthorized Devices



11) Secure Configurations for Network Devices





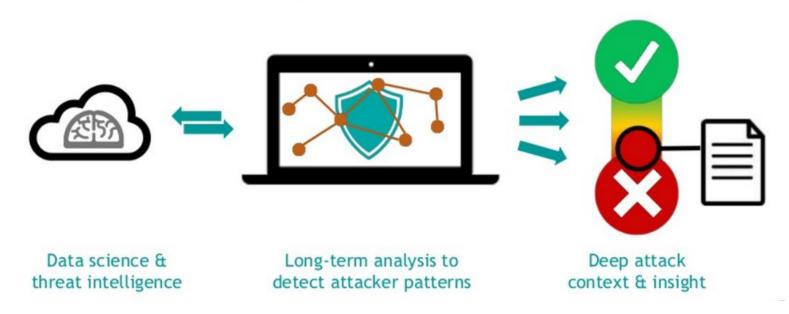
TRADITIONAL ANTIVIRUS

Traditional AV takes a **malware-centric view** of endpoint security; identifying malicious software by matching it to pre-identified signatures and heuristics.



NEXT-GENERATION ANTIVIRUS

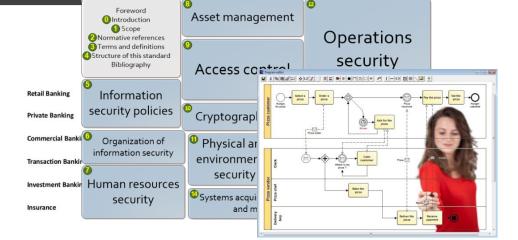
NGAV takes a **system-centric view of endpoint security**, examining every process on every endpoint to algorithmically detect and block the malicious **tools**, **tactics**, **techniques**, **and procedures** upon which attackers rely.

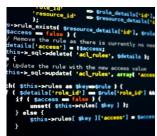


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Holistic monitoring of every process over time, whether malicious or not

- · File attributes
- · File contents
- · File heuristics
- Access patterns
- · Registry Configuration
- · Network Activity
- System Calls

TRADITIONAL AV



Point-in-time identification of malware based on simple rules

- · File attributes
- · File contents
- · File heuristics

