RSAConference2015

Abu Dhabi | 4–5 November | Emirates Palace

CHANGE

Challenge today's security thinking

SESSION ID: SPO-R05B

Security Issues that deserve a logo

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EMEA Technical Director
Tenable
@gmillard

New Threats Discovered Every Day

HEARTBLEED

90M

network devices vulnerable

SHELLSHOCK

70%

of all Internet-facing machines exposed

STAGEFRIGHT

Billion

Android devices possibly affected by major flaw in Media Library

GHOST

Almost every Linux system vulnerable due to glibc flaw

FLASH

Multiple zero days leveraged by exploit kits

SCADA

Numerous remote code execution vulnerabilities discovered

WINDOWS

Numerous remote code execution vulnerabilities discovered

LOGOS LEAD TO
KNEE JERK REACTIONS
NOT IMPROVEMENTS

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The biggest issue we face in security today isn't

APT

IT'S APATHY

Many Old Issues Still Linger

GLIMPSE

Lack of visibility due to large compound annual growth rates

INVADER

Inability to identify attack path to defend against breach

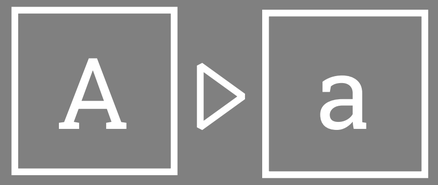
STUTTER

Communication failure between security staff and the business

BANDIT

Buying expensive bandaids for massive bullet holes

ROT26



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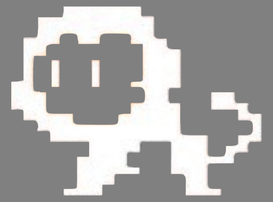

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MOST ORGANISATIONS LACK VISIBILITY

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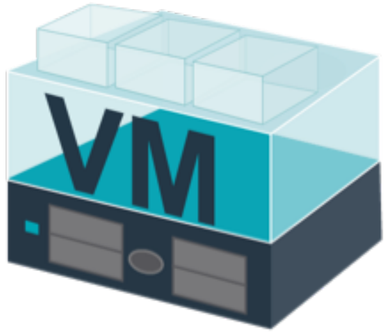
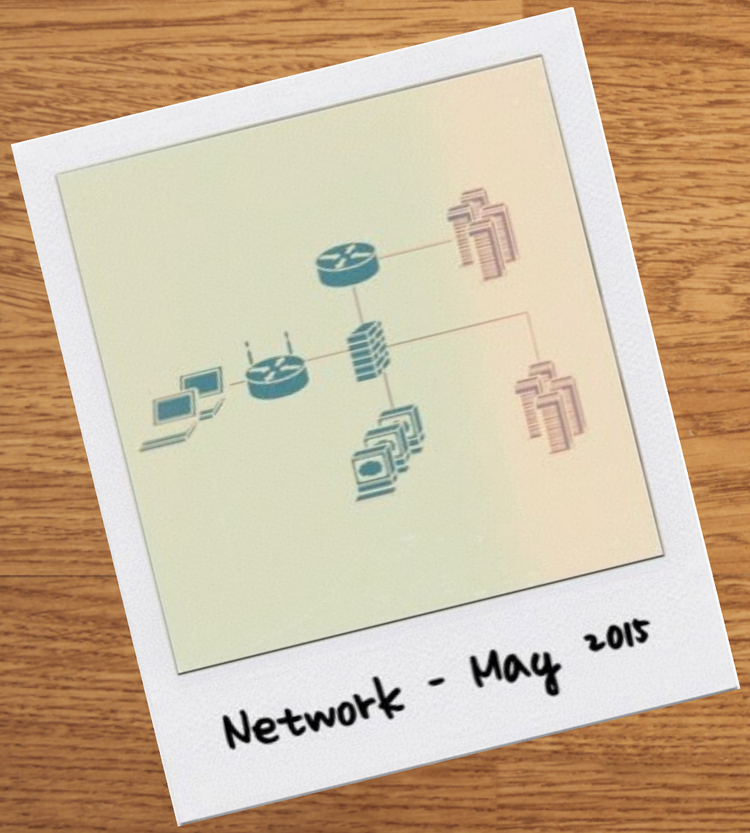
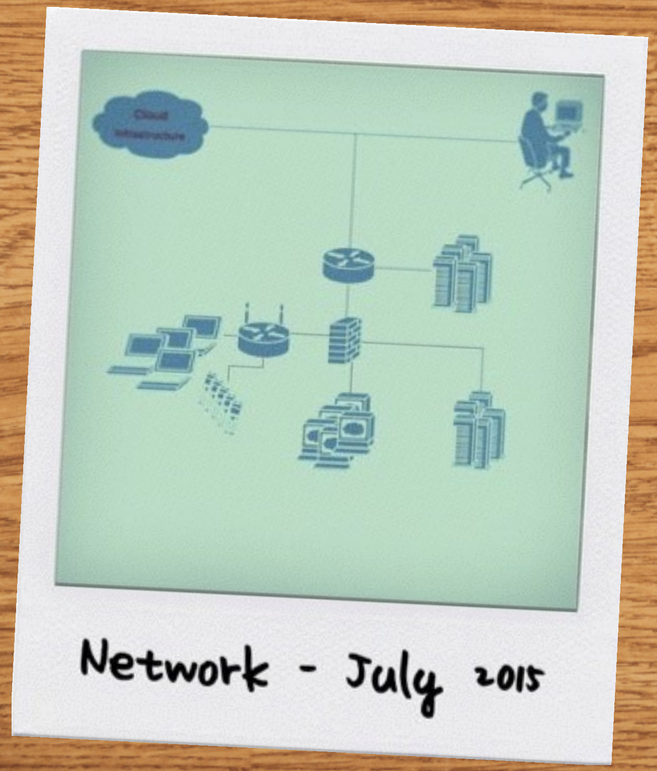

VM

EMBRACE OR BE CIRCUMVENTED

Using a 20th Century approach to try and fix a 21st Century problem





SNAPSHOTS ARE NOT ENOUGH

1

What assets, data and vulnerabilities reside on the network?

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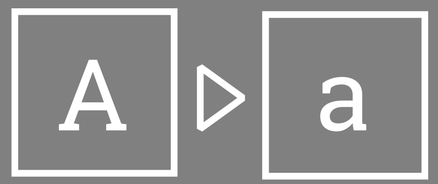

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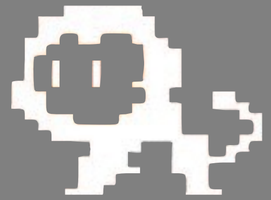

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The Almighty Security Vendors Will Save Us!


Security isn’t about spending a portion of the annual budget on tools - it’s about doing the right activities to reduce risk

PRACTICE THE FUNDAMENTALS FIRST

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2

What controls need to be implemented to continuously protect and monitor the assets?

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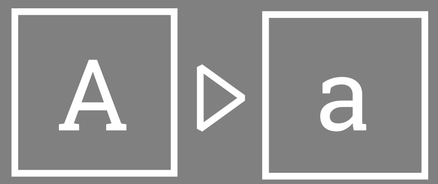

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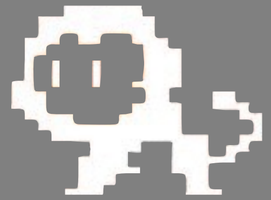

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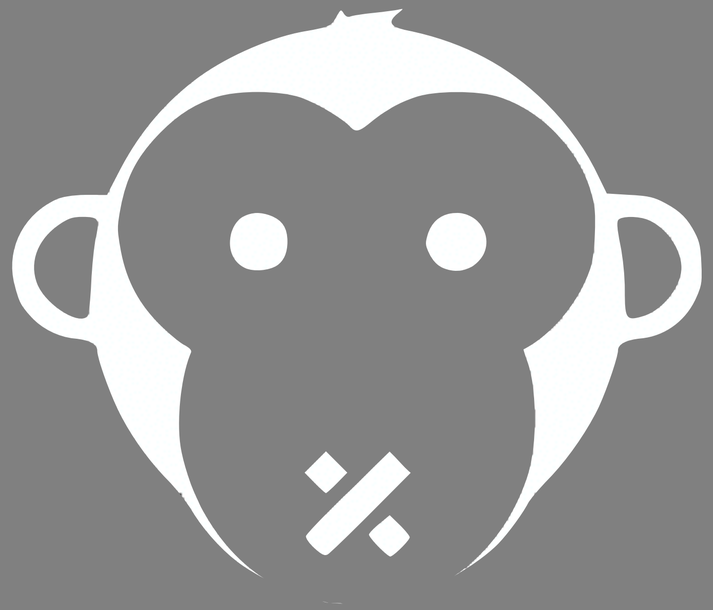

Communication failure between security staff and the business

MANY SECURITY TEAMS LACK

CREDIBILITY

AT THE BUSINESS LEVEL

3

How do I communicate the effectiveness of security and demonstrate value to the business?

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Bits and bytes don’t belong in the boardroom

Metrics are the language of Business

EFFECTIVENESS METRICS

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ALIGN SECURITY ISSUES to the BUSINESS RISK

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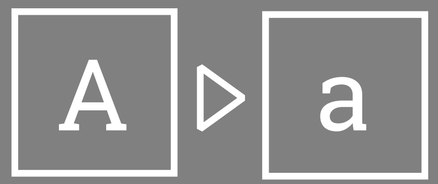

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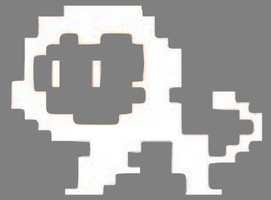

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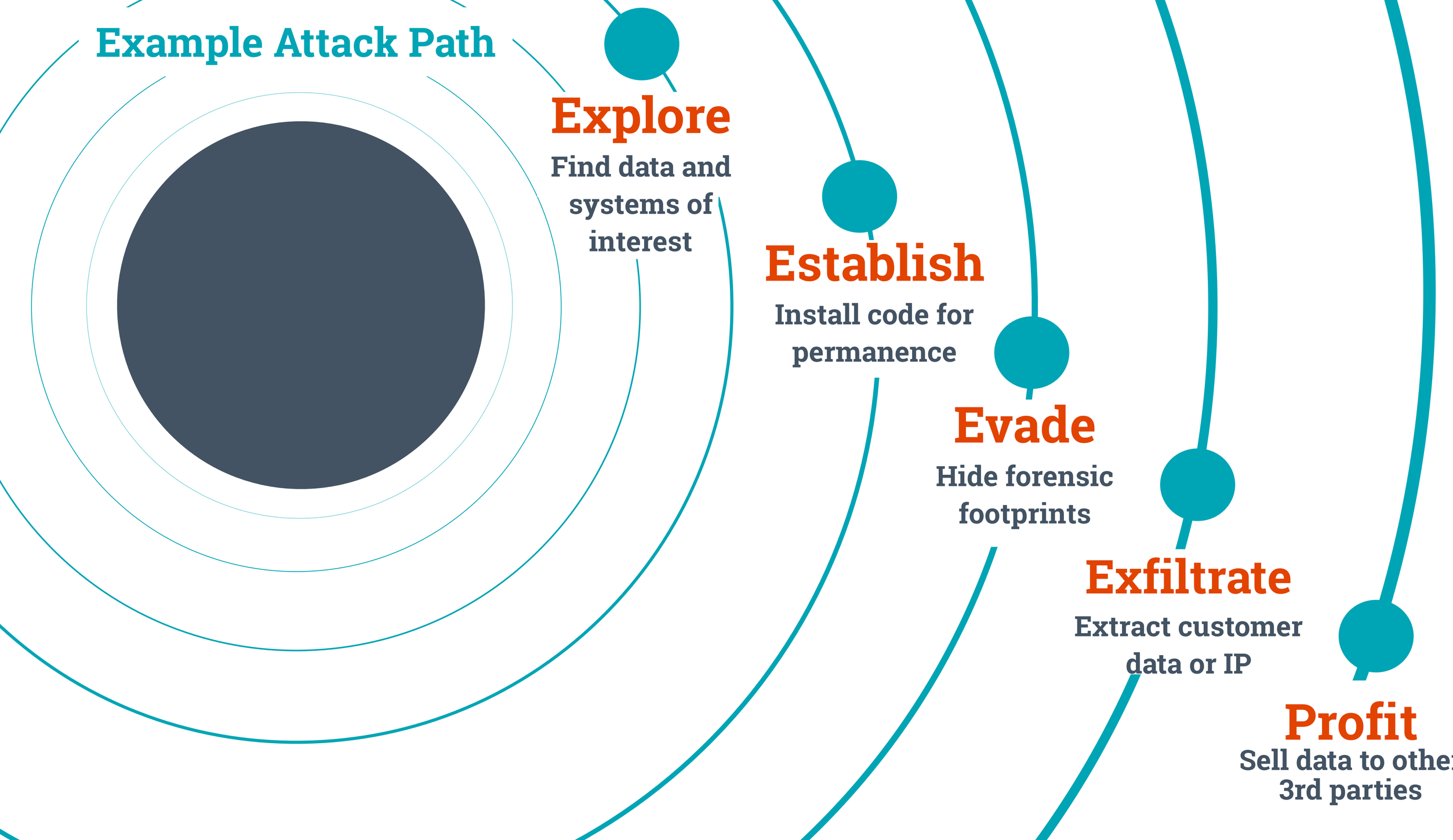
Example Attack Path



Explore

Find data and systems of interest

Establish

Install code for permanence

Evade

Hide forensic footprints

Exfiltrate

Extract customer data or IP

Profit

Sell data to other 3rd parties

FOCUSING ON FIXING THE FOUNDATIONAL

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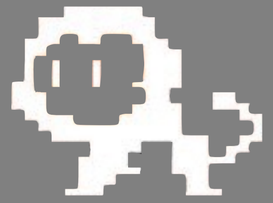

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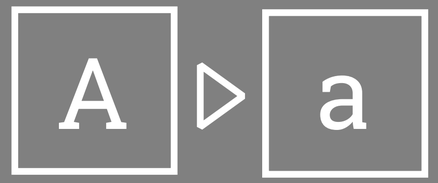

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Organisations need to stop focusing on the

0 DAY

AND FIX THE +100 DAY

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