Security in knowledge

Special Operations Tactics Applied to BYOD Defense

Michael Janke

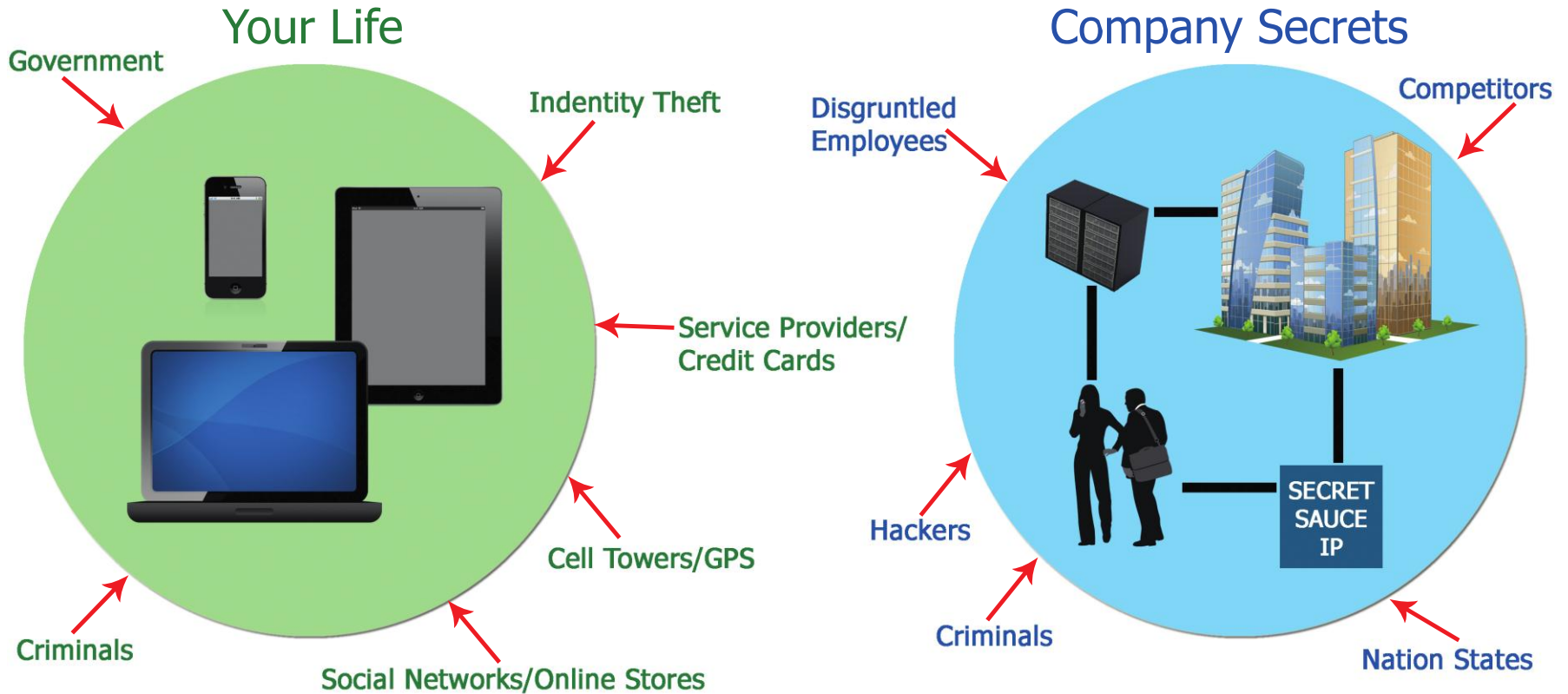CEO & Co-Founder

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Session ID: END-R35A

Session Classification: General Interest
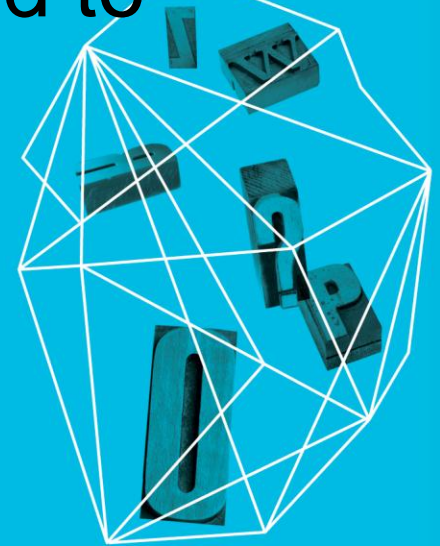
THE EASY "PREY"…

► BYOD – The easy route to "Your Data & Corporate Secrets"

    ► One Target = YOUR DEVICE = Multiple Predators

    (IP Thieves, hackers Criminals, On-Line companies, Law Enforcement, Banks, retailers, etc.)

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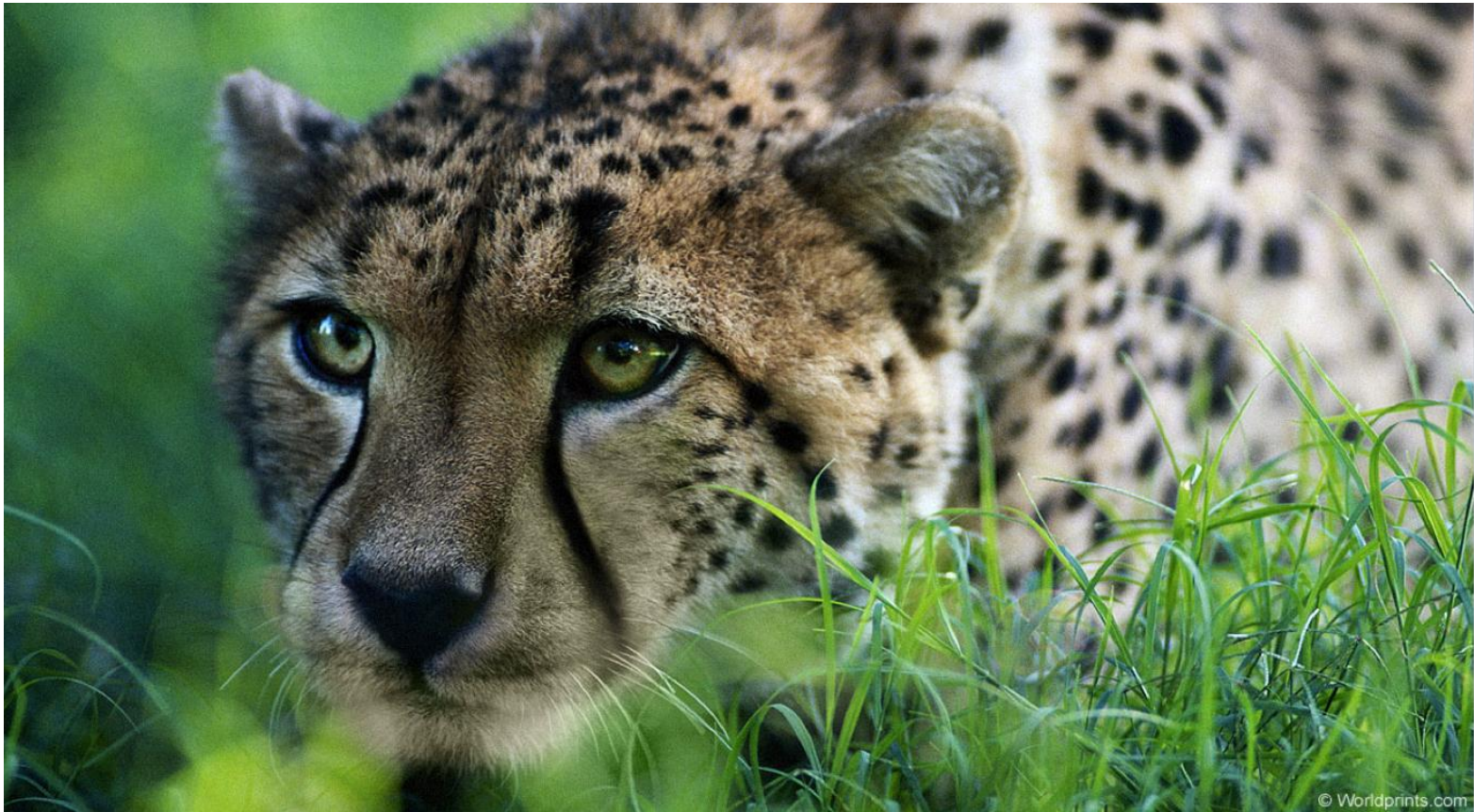
THE TWO DIGITAL WARZONES…

Your Life

Government

Indentity Theft

Service Providers/
Credit Cards

Cell Towers/GPS

Criminals

Social Networks/Online Stores

Company Secrets

Disgruntled
Employees

Competitors

SECRET
SAUCE
IP

Hackers

Criminals

Nation States

► GAME ON – sophisticated enemies on both fronts

   ► Personal Data & IP Theft is the new "GOLD"

   ► 65% text-email-call work related away from the office on own device

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THE PREDATOR'S MINDSET…

► **Enterprise Digital TTP's** (Tactics, Techniques & Procedures)

- ► **DEFENSE** is the "Sheep Mentality" – should be 50% only
- ► **Catapults vs. SEAL Team 6**: Metal-Boxes vs. Virtualized Network
- ► **Small-Unit Tactics:** All-star team, small, highly-trained + hackers

► **Enterprise "Predator" BYOD Strategy**

- ► **DEFEND:** Flexible Virtualized Network + BYOD Access control levels. Physical security inward & outward – Both PKI and Peer-to-Peer tools
- ► **TRAIN:** Intensive & on-going employee training –Mobile/Laptop/travel
- ► **ATTACK:** small elite hacker-security team/ attack your network, BYOD, Detect-Track-attack probes and attempts – offensive capability – oversight & control – Red Team exercises for BYOD

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The Balanced Ecosystem…

► 2013: up to 45% of corporate data access will be on BYOD

Offensive Capability

DEFENSE-50%

TRAINING-30%

ATTACK-20%
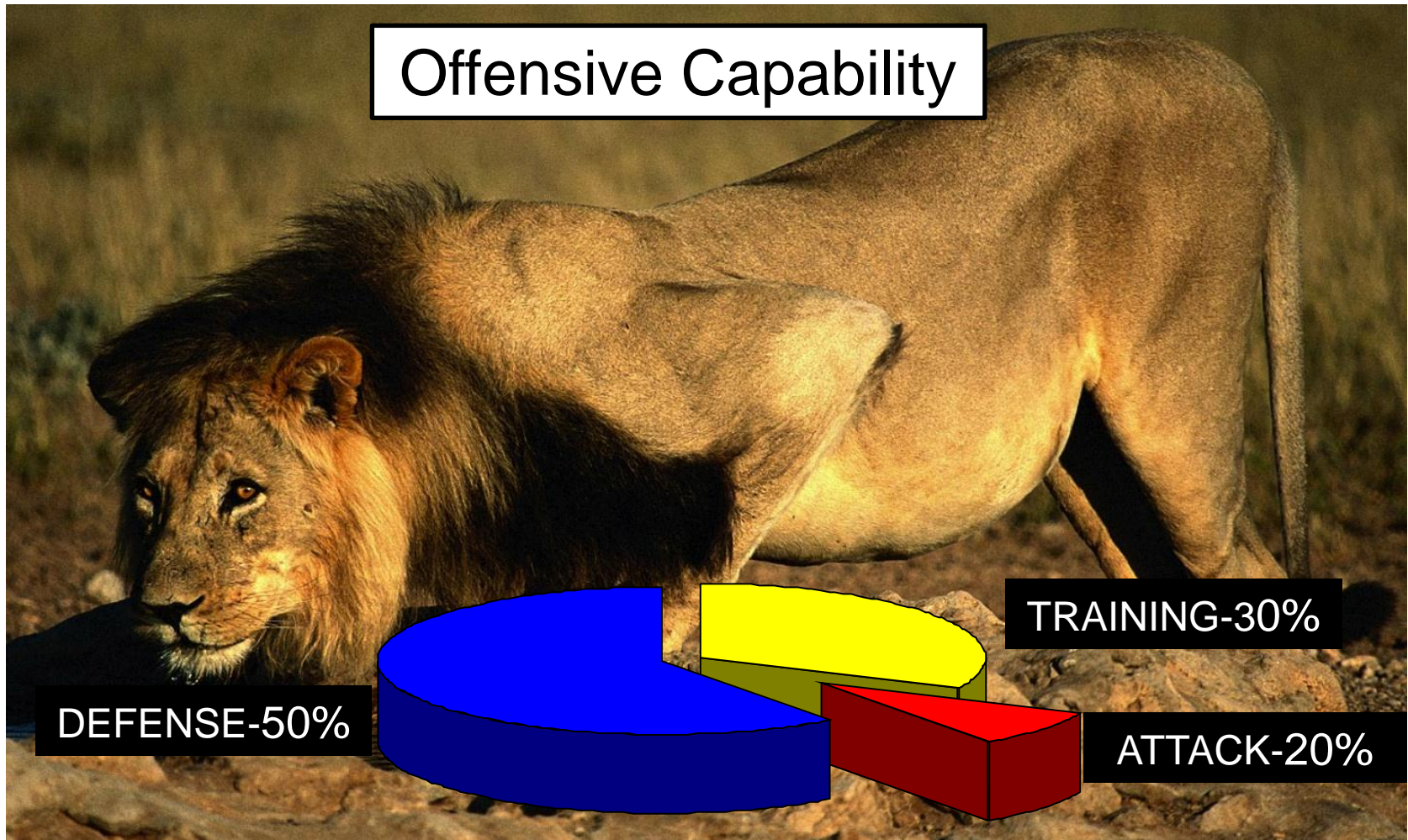
THE RONIN STRATEGY…

► **Digital Martial Arts: Your Privacy in your hands**

  ► **DEFENSE**: Tor, VPN's, Whole Disk Encryption, "Burner Devices", clean wipe capability, encrypted email, encrypted VOIP, Security Software, Peer-to-Peer Encryption, Network awareness, etc.

  ► **FIELD-CRAFT:** Super-Glue, Half-screws & crushed yellow and blue Kool-aide powder, $79 battery clock camera, motion alarm, black-light pen, Kid's glow-in-the-dark marker.

  ► **TRAINING:** On-line personal security classes, Company-mandated personal digital security classes, Self-Educate, attack demos, etc.

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TAKE-AWAYS

► Don't always follow the Sheep Herd products & systems –think unconventionally

► BYOD is a getting bigger…..lots of confusion and innovations

► Not "IF" but "WHEN" –your company and you as an individual are targeted.

► Defend with simplicity –Train every employee –Attack for knowledge

► Offensive knowledge and "red team" exercises benefit everyone.

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