Securing Humans and Their Machines

We Assess – We Correct – We Defend

ABetterProcess.com

a Cybersecurity Wellness Company

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Agenda

1. Quick - ABP Intro
2. You are #1! – Why me?
3. Lesson's from the "Hacked" 800 lbs. Gorillas
4. The "Strategic" Answer!
5. Q/A

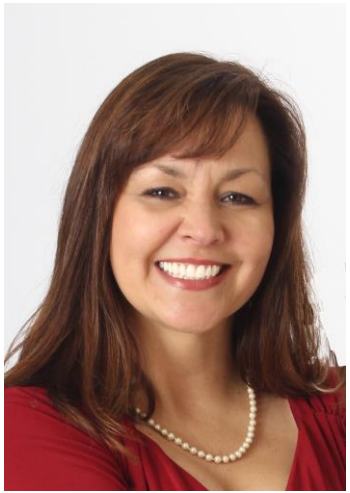
ABP Leadership Team

Craig Humphreys, CTO

- 10 Years - CIA
- 30+ Years IT Consult
- Enterprise Architect
- Lead Ethical Hacker

Tom Naramore, CEO

- 30+ Year Entrepreneur
- Management Consultant
- Cybersecurity Strategist
- National Keynote Speaker



Sharee English, COO

- Master’s Degree in Cyber Security
- 20+ Years Developer
- Certified Ethical Hacker
- International Technical Trainer


DATA SECURITY
IN THIS CORNER, WE HAVE FIREWALLS, ENCRYPTION, ANTIVIRUS SOFTWARE, ETC. AND IN THIS CORNER, WE HAVE DAVE!!
HUMAN ERROR
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Financial Services = #1 Target

IBM X-Force - “The financial services industry was **targeted the most** by cyber-attacks in 2016”

“The number of financial services records breached skyrocketed 937% in 2016 to more than 200 million”

****Equifax was 142m records by itself in 2017**

2017 – What can we learn from these big guys?

Norton = $190,000,000,000 – Stolen in 2017

Annual IT Budgets vs Cybersecurity Budget?

Intrusion Protection Systems / Machine Learning

What's Cheaper - to "Prepare" or "Repair" ?

Small Guy – Cyber Breach Cases

Financial Advisor – from his hotel room

- Microsoft acct hacked, integrated with PayPal and personal bank account (Hotel WiFi)
- Personal Checking account drained with PayPal purchase of X-Box Cards

How MITM Works

coffee shop

(3) unsuspecting network user registers

(1) hacker sits in adjoining office and takes all WiFi IP address slots

(4) hacker gets a copy of ALL data

your email, bank, etc...

(2) duplicate all slots

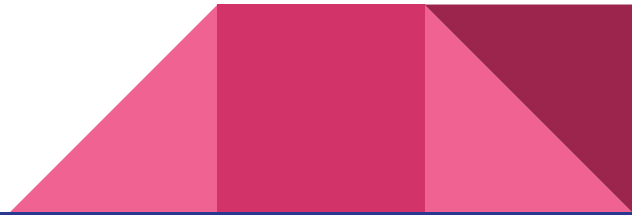
hacker

Cyber Breach Cases

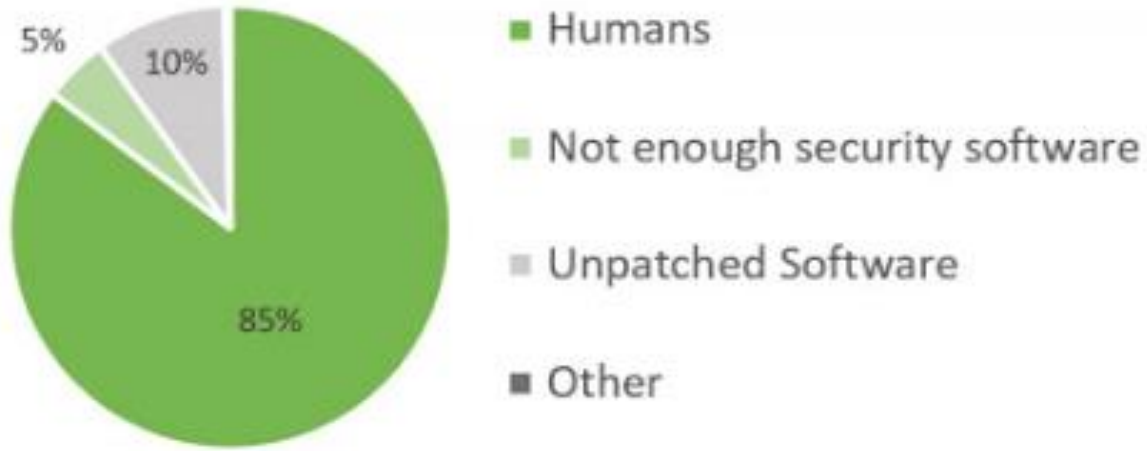
1. Identity Theft (me!)
2. Sacramento Attorney – Corp Domain Ransomed
3. Print House for Credit Unions (PC Stolen) – **$2.2 Million
4. Bank (Vendor lost DVD with SSNs/Accnt #) – **$32 Million

**Fees – Fines - Countermeasures

Is Cybersecurity an IT Problem?



More than 4 out of 5 blame Humans for security breaches – Black Hat survey 2017



The Solution –

“Turn your company’s biggest security weakness – your people – into its best defense!”

How?

What are the Three Words?

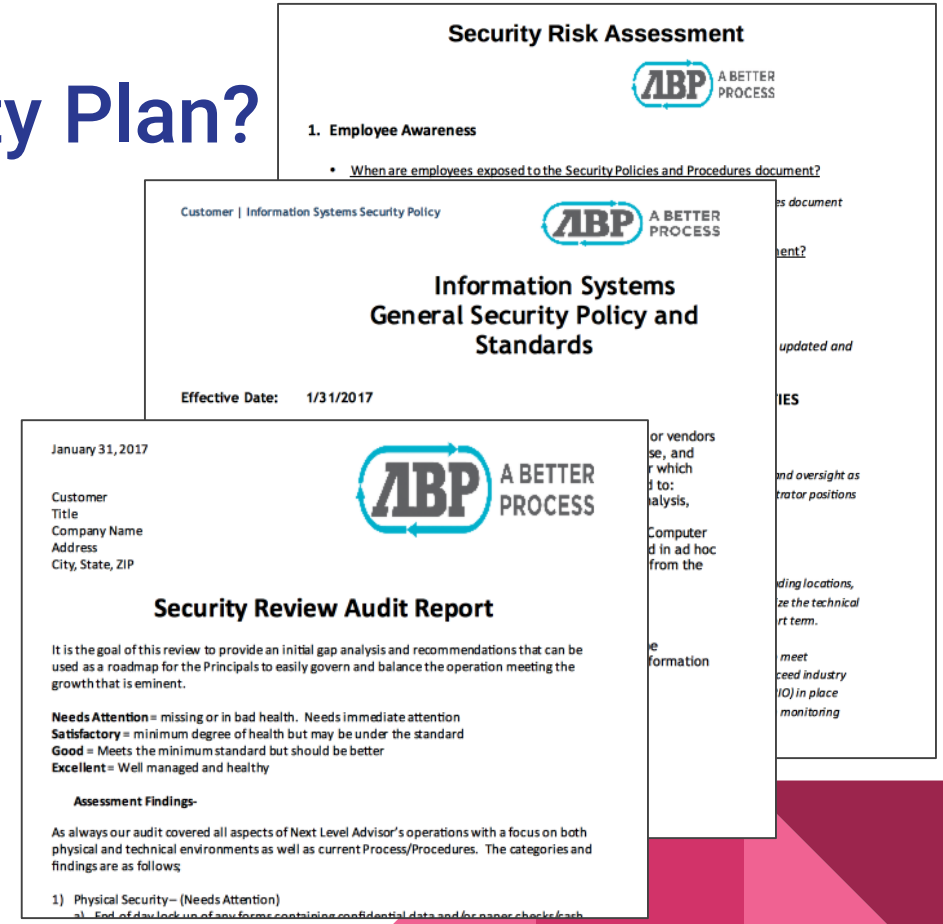
What is Your Cyber Security Plan?

No company is 100% secure!

1. **Assess** your ops & tools

2. **Correct** - **Publish** Policies and Procedures

3. **Defend** - Ongoing **Review to document** progress, changes, weaknesses and improvements



Security Risk Assessment

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1. Employee Awareness

- When are employees exposed to the Security Policies and Procedures document?

Customer | Information Systems Security Policy

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Information Systems General Security Policy and Standards

Effective Date: 1/31/2017

January 31, 2017

Customer
Title
Company Name
Address
City, State, ZIP

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Security Review Audit Report

It is the goal of this review to provide an initial gap analysis and recommendations that can be used as a roadmap for the Principals to easily govern and balance the operation meeting the growth that is eminent.

Needs Attention = missing or in bad health. Needs immediate attention
Satisfactory = minimum degree of health but may be under the standard
Good = Meets the minimum standard but should be better
Excellent = Well managed and healthy

Assessment Findings-

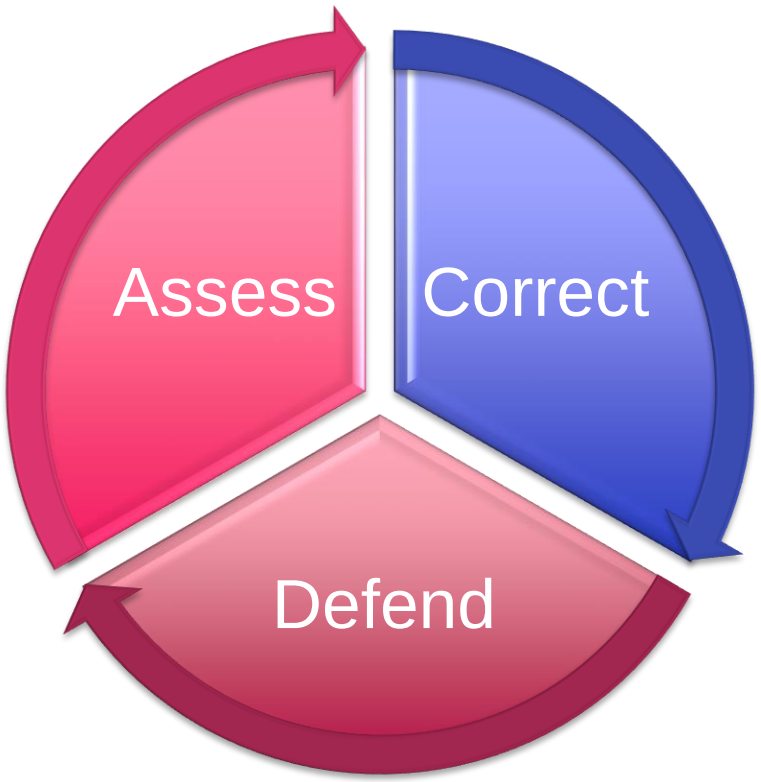
As always our audit covered all aspects of Next Level Advisor's operations with a focus on both physical and technical environments as well as current Process/Procedures. The categories and findings are as follows;

1) Physical Security– (Needs Attention)

Win through aligned Cybersecurity Strategies

1. Password Management Strategy
2. Vendor Management Strategy (IT Services = none or lacking proper controls)
3. Change Management Strategy
4. Privileged Access Management Strategy (Least Privileged)
5. Asset Inventory Strategy (Hardware, Config, Ownership)
6. Software Inventory Strategy (Licensing renewal schedules and owned keys
7. Mobile Data Management Strategy – (Remote Wipe, BYOD Integrated)
8. Critical Process Inventory synced with DR and Continuity Plan

Strategy Wins the Battle



A Multi-Layered Cybersecurity Strategy raises Cyber IQ's of your People who will then;

Assess threats

Correct behaviors

& Defend the Assets

Freebies...

Tips and Tricks

#1 Most Failed Strategy

- Password Management Strategy

  *Notebook on Desk or in folder

  *Stored on Mobile Phone

  *Non encrypted Word or Excel doc

  *Simple Passwords – Socially Engineered

  (Your Pet, Your Kid, Your Prized Thing)

  (password, 12345, admin)

#2 Most Failed Strategy

- Mobile Data Management Strategy

  *Disk Encryption (PCs, Laptops, Mobile Devices)

  *Always on VPN for Mobile Devices

    Coffee Shops
    Airports
    Hotels

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Security Tips - 1

- Use a strong, unique password for every website.
  - Yes, that means you'll have to install and use a password manager.
- Auto-lock smartphones, tablets, laptops, desktops
  - Lock after a short idle time, require authentication for unlocking.
  - Use something stronger than a simple-minded four-digit PIN.
- Encrypt all disks and smartphones.
  - Otherwise, when your device is lost/stolen, your data goes with it
  - See "password manager" for where to save that crucial password…

Security Tips - 2

- 2FA (Two-factor authentication) on all sensitive accounts (bank, health, cloud, ...)
  - Even if they get your UN/PW, you are secure
- “Rarely” click links in emails or texts
  - From anyone
  - Especially from your bank, the IRS, or any other institution.
  - If you think the message might be valid, log into your account directly
- VPN at all times in coffee shops and hotels and public places.
  - Man-in-the-middle DHCP
  - Anyone can steal your data
- If you don't really need it, don't install it.
  - Rogue apps are proliferating. Even from AppStore/Google Play.