The Human Element of Cyber Security

Date

Overview

- Who We Are

- The Evolution of Cybersecurity

- The Human Element of Cybersecurity

- How to Address the Human Element

- Q & A

Who We Are

Former offensive operators from the CIA, NSA, and FBI

We specialize in developing holistic cybersecurity and insider threat programs from the offensive perspective

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The Human Element of Cybersecurity

Attackers will always take the easiest, most effective method for gaining access.

The cyber challenge extends beyond your organization ...

Employees

Customers

Industry Experts

Consumers

Suppliers

JV/Partners

Service Providers

Organization

▲ *Pressures and changes which create opportunity and risk*

Traditional boundaries have shifted; companies operate in a dynamic environment that is increasingly interconnected, integrated, and interdependent.

- Organization are **built around a model of open collaboration and trust**
- Constant **information flow is the lifeblood of the business ecosystem**

Trusted parties have access to more information than ever before
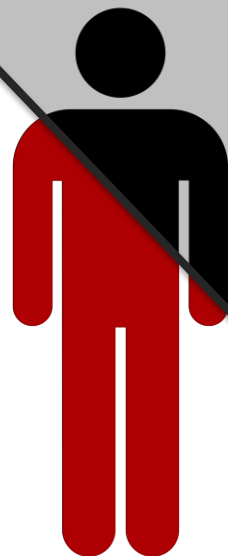
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The Bad ...

In 2015, the most prevalent successful attack types hinged on the human factor

*2016 ISACA, State of Cybersecurity

95%

Of all security incidents involve

human error

*IBM 2014 Cyber Security Intelligence Index
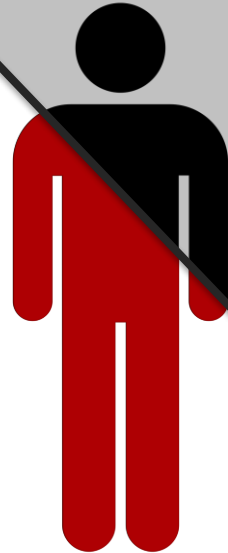
Companies are targeted via:

60% Phishing

41% Social Engineering

*2016 ISACA, State of Cybersecurity

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Yet companies are still more focused on outside threats ...
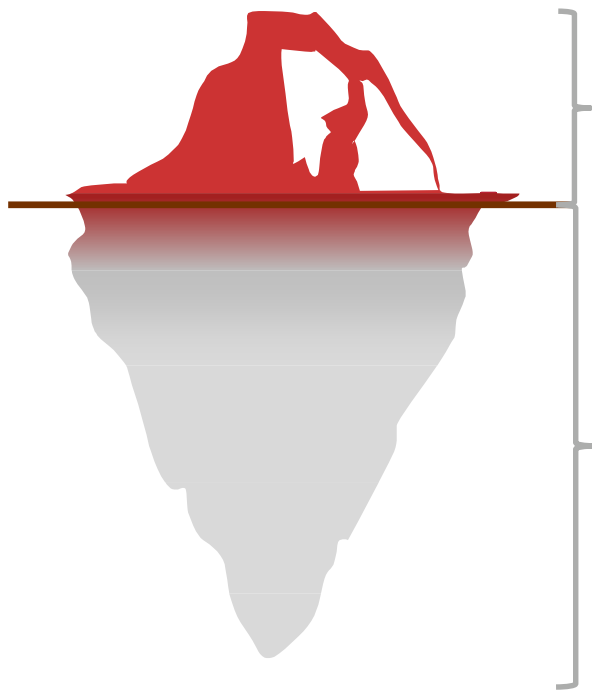
Outsider threats

32% **Of insider attacks are more costly than outsider attacks**

Insider threats

71% **Of insider attacks involving IP had an impact of over $100,000**

48% **Of insider attacks involving IP had an impact of over $1,000,000**

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And their defenses reflect that focus

55%

of breaches are blamed on insiders – anyone who has physical or remote access to a company's assets.
*IBM 2015 Cyber Security Intelligence Index

28%

Of respondent victims couldn't determine if the incident was caused by an insider or outsider
*US State of Cybercrime Survey, 2015

How to Address the Human Element

There is no solution that will be able to completely protect you

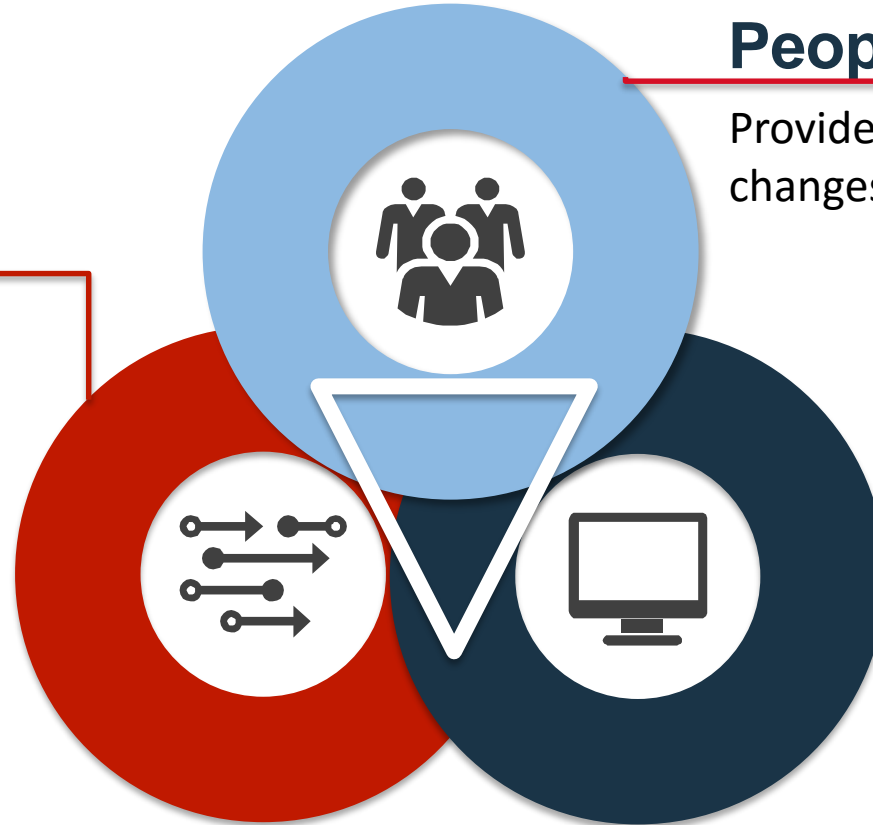# *Any solution must be holistic and balanced*

People

Provides the skills and changes one's behavior

Process

Tells you what to do and how to do it
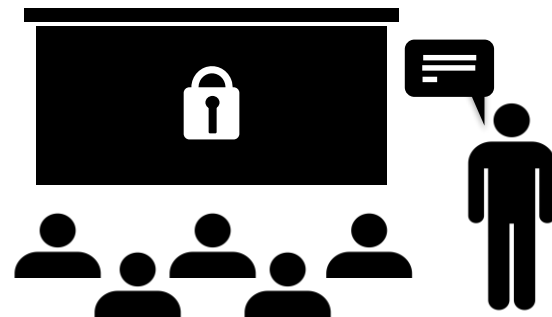
Technology

Protects you and enables you to do it

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People
Education & Training

76%   *Less is spent on security events when employees are trained[1]*

YET

54%   *Do NOT provide security training for new hires[1]*

1 US State of Cybercrime Survey 2014

People
Education & Training

Threats

Vectors

Policies

Resources

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