

## "Housekeeping"

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# Getting Cyber Safety Through to Employees (and anyone else)

**Ron Woerner** 

Twitter: @ronw123

**Bellevue University** 

**Director CyberSecurity Studies** 



Stop.Think.Connect.



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- Use the Facebook widget in the bottom panel to share this presentation with friends and colleagues
- Use Twitter widget to Tweet your favorite quotes from today's presentation with hashtag #ACMWebinarSec
- Submit questions and comments via Twitter to
   @acmeducation we're reading them!

### Poll

What % of security breaches were caused by human error:

- 23%
- 31%
- 42%



### Poll

What % of security breaches were caused by human error:



Source: <a href="http://www.futuristech.info/etc/interesting-infographic-shows-security-breaches-are-getting-more-costly">http://www.futuristech.info/etc/interesting-infographic-shows-security-breaches-are-getting-more-costly</a>

#### **Human Paradox**



http://www.dilbert.com/2014-05-19/

NeighborWatch Alert <alerts@neighberwatch.org> From: Sent: Tue 12/18/2012 1:36 PM To: Cc: Subject: Criminal Activity Alert in your area Dear Neighbor, Local law enforcement agencies have identified an increase in criminal activity within the following ZIP codes: 01234, 23456, 34567, and 45678. Review recent activity for your area <a href="http://www.neighberwatch.org/localmap/{4}">http://www.neighberwatch.org/localmap/{4}</a> to keep your family safe! This is an automated alert. You can unsubscribe from email alerts 10% Victim Rate 15% Report Rate <a href="http://www.neighberwatch.org/unsubscribe/{4}">http://www.neighberwatch.org/unsubscribe/{4}</a> or change settings < http://www.neighberwatch.org/settings/

### **Human Paradox**



# It might seem basic, but...

# A Quick Guide to the Worst Corporate Hack Attacks of 2014

http://www.bloomberg.com/graphics/2014-data-breaches/



#### **Human Paradox**

Humans continue to be our weakest link.
We need humans to keep our organization going.



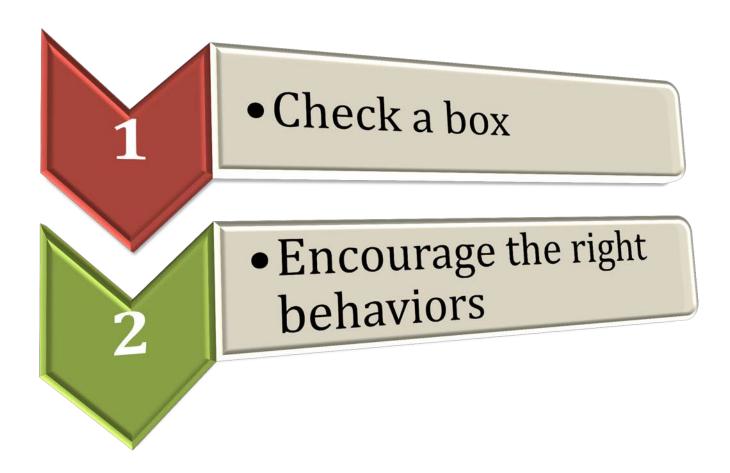
### Poll

# How often does your organization perform security awareness:

- Once a month
- Once every six months
- Once a year
- When they think about it
- What's that?



# Why have an awareness program?



## What it's all about



#### **Human Paradox**

# What do we do?









## **Effective Awareness**

# Educate to Change Specific Behaviors Start with Why?

Ask, "Who Owns the Headache?" They do and we do

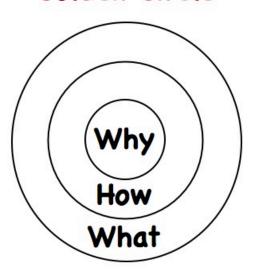
# **Build their Security Mindset**

Risks, Threats & Vulnerabilities
Continuous Process

# Educate to change specific behaviors

# Starting with Story

#### Golden Circle



Why - Make the invisible visible

**How** - Design visual stories

What - Playfully create clarity and unearth purpose

Credit: Simon Sinek, Starting with Why



# KEEP CALM AND MAKEIT PERSONAL

## Who owns the Headache?













# **Building the Security Mindset**

# "mindset" {noun}

a set of beliefs or a way of thinking that determines one's behavior, outlook and mental attitude.



# **Building the Security Mindset**

"mindset" {noun}

a set of beliefs or a way of thinking that determines one's behavior, outlook and mental attitude.

# Risks Threats Vulnerabilities

# **Building the Security Mindset**

"mindset" {noun}

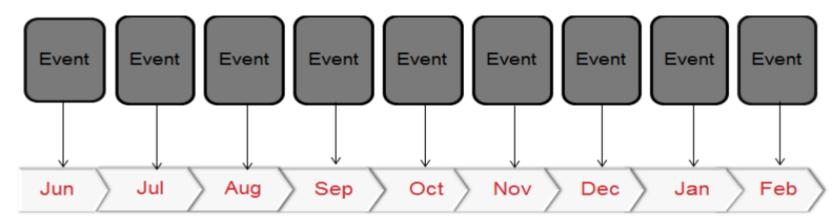
a set of beliefs or a way of thinking that determines one's behavior, outlook and mental attitude.

# Ethical Disclosure

# Phishing – Educate to change behavior

#### THE APPROACH

- 1. Select targets Random, representative
- 2. Execute Phish
- 3. Train victims, immediate feedback
- 4. Collect and analyze metrics
- 5. Report and train ALL USERS



# Catch them doing something right, Not just something wrong

### Poll

What is your greatest cyber awareness challenge:

- Users don't participate / engage
- Management not involved
- Lack of good material
- Time to do it
- Other



# Ways to Get Involved -



### RESPECTING PRIVACY SAFEGUARDING DATA ENABLING TRUST

Data Privacy Day is held every year on January 28.

http://www.staysafeonline.org/data-privacy-day/



By the end of 2014 there will be almost 3 billion internet users worldwide. Securing cyber space is a responsibility we all share – empower yourself and your community by joining National Cyber Security Awareness Month co-sponsored by the National Cyber Security Alliance and the US Department of Homeland Security.

"OUR SHARED RESPONSIBILITY"

click here



# THINKING TWICE...



#### **KEEP A CLEAN MACHINE.**

Like your phone or PC, keep any machine that connects to the Internet free from viruses, malware and other online threats. Update apps that you use to control devices whenever a new version is available.



#### THINK TWICE ABOUT YOUR DEVICE.

Have a solid understanding of how a device works, the nature of its connection to the Internet and the kinds of information that is stored and transmitted.



# YOU ARE ONLY AS STRONG AS THE NETWORK TO WHICH YOU CONNECT.

click here If you haven't properly secured the network you are connecting to with proper passwords, updated software and maintenance of other connected devices, your Internet of Things could be vulnerable.

## MS-ISAC - <a href="http://msisac.cisecurity.org/">http://msisac.cisecurity.org/</a>



http://stcguide.com/

**Resources & PSAs:** 

http://stcguide.com/resource-index/





http://www.dhs.gov/stopthinkconnect



http://staysafeonline.org/



## What it's all about



# Who I am

#### Ron Woerner

- Director of Cybersecurity Studies for Bellevue University
- 20+ years experience in IT
- Security Professional for 15 years
- Given tons'o presentations on security and Internet safety
- AFA US CyberPatriot Mentor of Year, 2013-2014



## Questions???

# Webinar Q&A Twitter: #ACMWebinarSec









I HAVE NO SPECIAL TALENTS. I AM ONLY PASSIONATELY GURIOUS.

-ALBERT EINSTEIN



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# Stop.Think.Connect.





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    - ...and others