

March 2018 Housing Authority Webinar



The Purpose

Monthly Webinar

- Helpful quick tips
- Standards
- Security updates
- Timely topics
- New services
- Training



**Managed
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Better Service

New Way to Request Help!

- **Email Ticket Open**

**Send Email to
help@UltimateITGuys.com**



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Why Are We Here Today?

Agenda

1. Recap
2. Breach VS Incident
3. Data Breaches
4. Dark Web
5. Business Email
6. Questions



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Recap

1. Vulnerability VS Exploit
2. Spectre and Meltdown
3. The Big Threats
4. Everywhere Protection



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Vulnerability Analogy

A **Vulnerability** is like not having a lock on your back door.

What



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Exploit Analogy

An **Exploit** is like somebody going down the street checking to see if someone's backdoor is unlocked.

HOW



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Attack Analogy

An **Attack** is like somebody actually opening the door and going in.

Action



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Use What We Learned

Spectre and Meltdown are
vulnerabilities



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What Needs to Happen?

3 Things to avoid the Spectre and Meltdown issues:

- Windows updates
- Bios Updates
- Anti-Virus Updates



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Data Breaches

Vocabulary

Incidents vs Breaches



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Data Breaches

Incidents vs Breaches

Incident: A security event that compromises the integrity, confidentiality or availability of an information asset. (Possible Loss)

Breach: An incident that results in the confirmed disclosure—not just potential exposure—of data to an unauthorized party. (Actual Loss)



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Data Breaches

Common Scenarios

Application Thrown in Trash

Lost Flash Drive

Email to Wrong Person

Improper Guest WIFI

Email is Hacked



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Data Breaches

**Breach Victims
can be
Direct or Indirect**



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Data Breaches

Direct Breach Victim

My systems have been
compromised



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Data Breaches

**I haven't been
breached.
So, what is the
big deal?**



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Data Breaches

The Big Deal

InDirect Breach Victim

Someone else's system
has been compromised
who has my information



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Data Breaches

The Big Deal

**Indirect Victims
become a
Direct Target**



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Data Breaches

Breach Examples

Equifax	143,000,000	SSN, DOB, Drivers License
Experian	15,000,000	DOB, Email, Detailed Credit, Information
Domino's Pizza	648,000	Email, Passwords
Comcast	617,000	Email, Passwords
Yahoo	453,000	Email, Passwords
Ancestry.com/RootsWeb	300,000	Email, Passwords



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Data Breaches



Why do I care?



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Data Breaches

Why do I care?

- The Stats
- The Risk
- The Responsibility



Data Breaches

Why do I care?

The Stats are Overwhelming

33% of people open
phishing emails



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Data Breaches

Why do I care?

The Stats are Overwhelming

81% of hacking related
breaches used stolen or
weak passwords



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Data Breaches

39%

Percentage of adults in the U.S. using the same or very similar passwords for multiple online services, which increases to 47% for adults age 18-29



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Data Breaches

Why do I care?

The Stats are Overwhelming

- 51% of breaches used malware
- 66% of malware delivered by email
- 90% of complex attacks used email as one of the steps



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Data Breaches

Why do I care?

The Stats are Overwhelming

95% of breaches could be prevented with today's technology!



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Data Breaches

Why do I care?

I'm at Risk



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Security Update

**Data Breaches are common
and
you have been exposed!**



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Data Breaches

Why do I care?
I'm at Risk

Over 73% of people in US
have some of their
information for sale on the
Dark Web.



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Why do I care?
I'm at Risk

I am The Target



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Why do I care?

I am **Responsible** for the information at my housing authority:

- Applicants
- Tenants
- Employees
- Board Members
- Vendors
- Other Housing Authorities



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Data Breaches

How do Data Breaches Impact Me?



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Data Breaches

What Can an Attacker Do with Compromised Credentials?



Send Spam from Compromised Email Accounts

Deface Web Properties and Host Malicious Content

Install Malware on Compromised Systems

Compromise Other Accounts Using the Same Credentials

Exfiltrate Sensitive Data (Data Breach)

Identity Theft



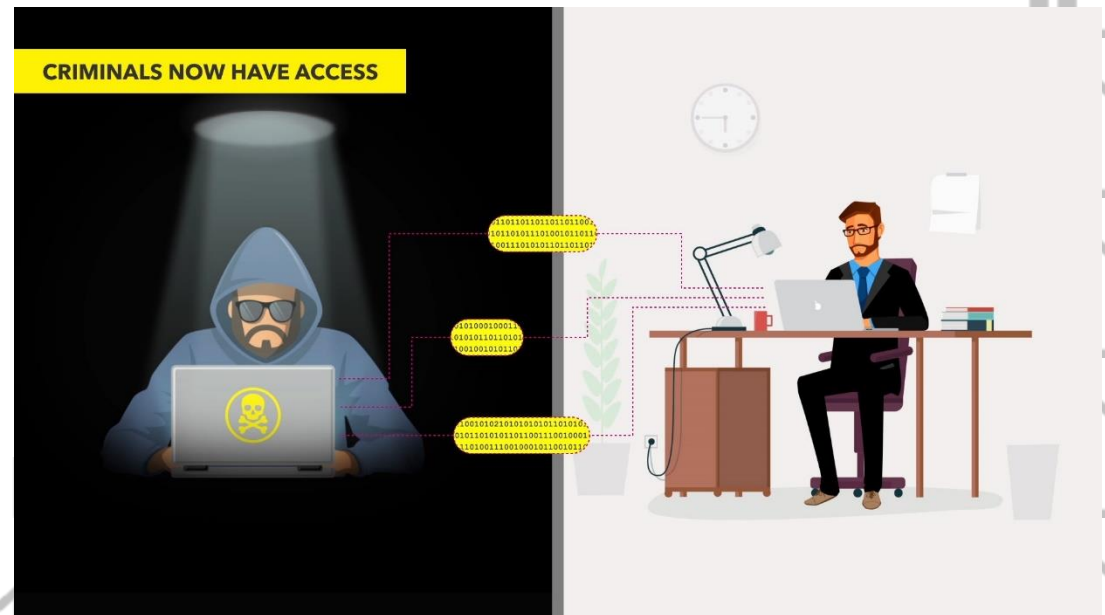
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Data Breaches

How do Data Breaches Impact Me?

Increased Risk for targeted attacks

- Dark Web
- Phishing
- Email



Dark Web

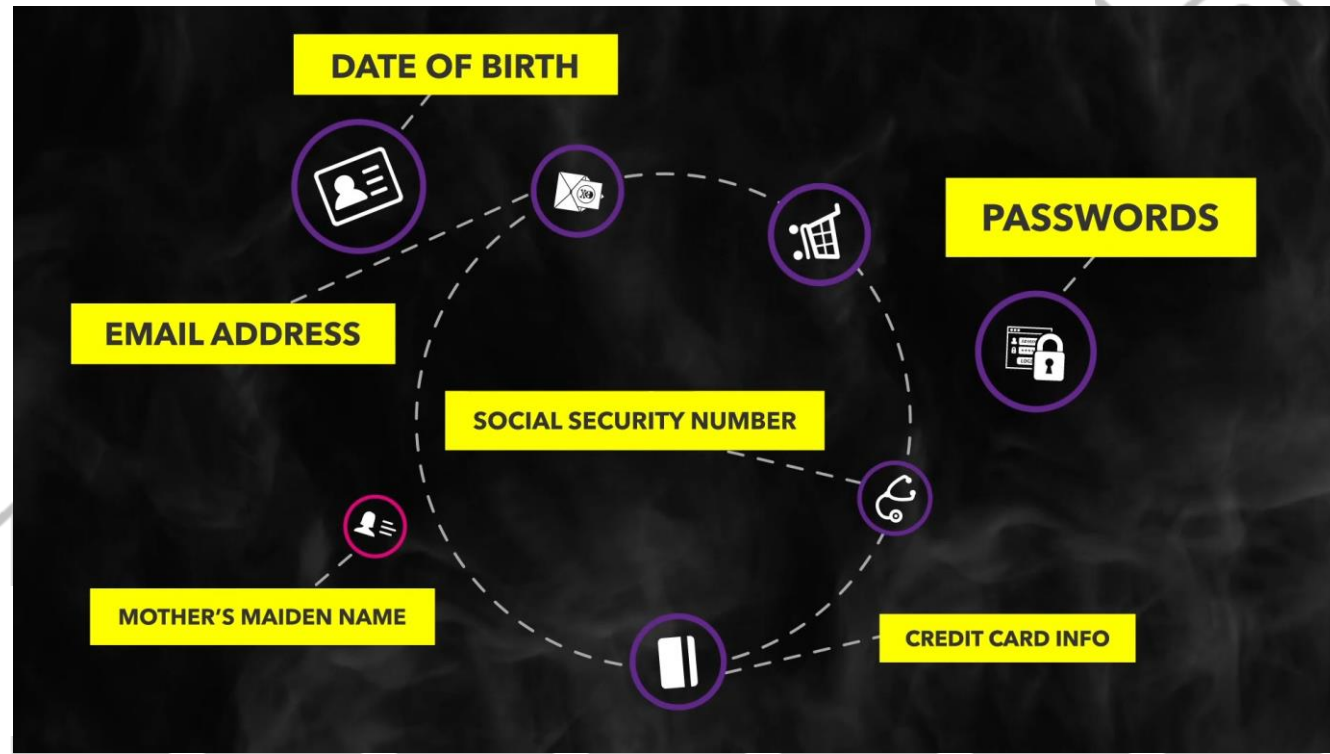
Dark Web – a subset of the internet where many hacker communities and organized crime groups hang out.



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Dark Web

Stolen information from
Data Breaches is for sale
on the Dark Web



Security Update

MOST OF US HAVE BEEN VICTIMS



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Email is Dangerous

If you have been a victim of a 3rd party breach you are at a much higher risk of being targeted in future attacks



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Email is Dangerous

- 66% of breach related malware is delivered by email
- 90% of complex attacks used email as one of the steps



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Email is Dangerous

Reading Email is the most dangerous thing that you do.



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Email is Dangerous

Using free Email is like a drunk person walking through a minefield



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Email is Dangerous

Most Email threats can be easily avoided by using:

- Business Email
- Spam Filtering
- Email link and attachment Scanning/Filtering
- Email Security
- Phishing site scanning



Data Breaches

Phishing – trying to get information from you by tricking or scamming you.



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Data Breaches

Avoiding Phishing

- Business Email
- Email Filtering
- DNS Filtering
- Employee Training & Testing



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Getting Hacked



SUB
SCRIBE



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Security Summary

**What are we going to do
about these threats?**



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Security Update

**What you have always done
does not work anymore!**



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Protecting Your Information Means
Protecting your Network &
Computers
As Well As
Knowing who has your
information & Have they
protected it



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Services Review

What is our Basic Service!

- Preventative Maintenance
- Anti-Virus
- Off-Site Backup
- Remote Support
- Business Email Service
- Remote Access



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Services Review

Some Additional Services

- Dark Web Monitoring
- Everywhere Protection
- Security Assessments



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Security Update

oh hi, thanks for making it so easy for me
to steal your business data...

Monitoring for your credentials on
the Dark Web just makes good sense.



DARKWEB



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Dark Web Monitoring

Live Data Search

4 Of 4 Most Recent Records Found.

Date Found	Email	Password Hit	Source	Type	Website	PII Hit
12/12/17	[REDACTED]		Not Disclosed	Not Disclosed	Not Disclosed	First Name, Last Name, Address 1, City, Zip, Phone
12/27/16	[REDACTED]	josh****	id theft forum	Not Disclosed	Not Disclosed	
07/12/16	[REDACTED]	f	web page	breach	www.r2gam...	
06/29/16	[REDACTED]	josh****	social media	breach	www.myspa...	



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Dark Web Monitoring

Dark Web Monitoring

+

Password Management

=

A Powerful Combination

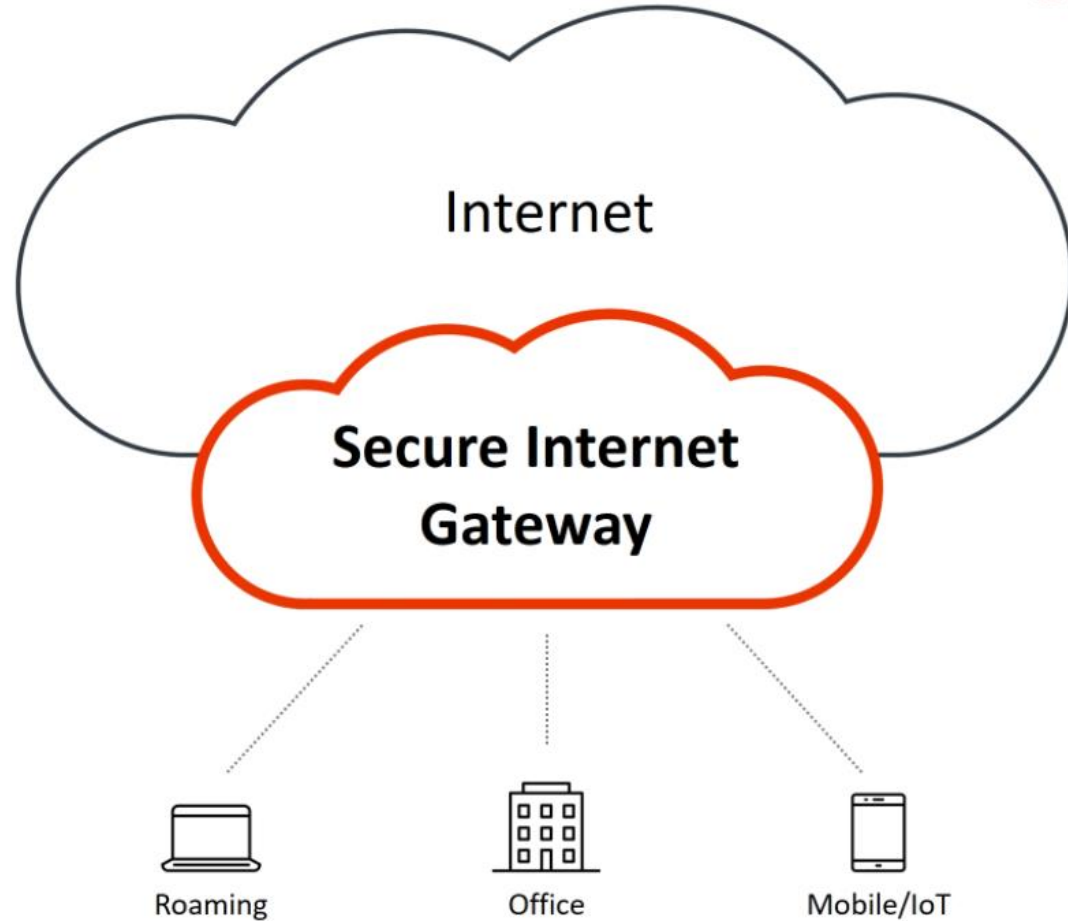


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Everywhere Protection

✓ SaaS SIMPLICITY
IN THE CLOUD

- ✓ Easy to manage
- ✓ Easy to afford
- ✓ Scalable
- ✓ Available
- ✓ Adaptable
- ✓ Reliable
- ✓ Secure



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Everywhere Protection

Everywhere protection

Protects your:

- **Work computer**
- **Laptop**
- **Cell Phone**
- **Home Computer**
- **Tablet**

Up to 5 devices per user for \$10/mo



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Security Assessment



**9 out of 10 computer networks
have potentially serious IT
problems sitting undetected.**



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Example of Personal Data Found

C:\Users\ [REDACTED] \AppData\Roaming\Microsoft\Windows\Cookies\Low\W1T5YVN2.txt



Visa

C:\Users\ [REDACTED] \AppData\Roaming\Microsoft\Windows\Cookies\Low\6RLU6L0S.txt



InterPaymentTM

C:\ [REDACTED] \outgoing\bin\errors\html\Quikhab.txt



SSN



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Questions?