

Feb 2018 Housing Authority Webinar



Why Are We Here Today?



**Managed
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Why Are We Here Today?

Agenda

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



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Recap

We want to serve you better

We want to do a better job you taking care of you and your housing authority.

We want to serve you better through better communication and better service

We will also be discussing a little about who we are and setting the stage for future security discussions



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We Want To Serve You Better!

- **Better Communication**

- Who is Ultimate IT Guys
- Monthly Webinar
- Email Alerts & Updates
- Conferences

- **Better Service**

- New Way to Request Help
- Improvements to Basic Service
- New Add-On Services



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Better Communication

Monthly Webinar

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



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Better Service

New Way to Request Help!

- **Email Ticket Open**

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



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January Recap



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January Recap

- What we have always done does not work anymore!
- Data Breaches are common and chances are you have been exposed.
- Our work & personal lives are interconnected.
- The things we do away from the office effect the office and visa versa.
- You can't fight today's threats using 1990's technology.
- Traditional Anti-Virus is not going to stop the threats we have today



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Vulnerability vs Exploit

- **Vulnerability**
- **Exploit**
- **Attack**



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Vulnerability vs Exploit

Vulnerability - is a flaw in a piece of hardware or software



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Vulnerability vs Exploit

Vulnerability - is a flaw in a piece of hardware or software

Exploit - An exploit is a way to take advantage of a vulnerability



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Vulnerability vs Exploit

Vulnerability - is a flaw in a piece of hardware or software

Exploit - An exploit is a way to take advantage of a vulnerability

Attack - An attack is when someone uses an exploit to gain access to a system or information.



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Vulnerability Analogy



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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.

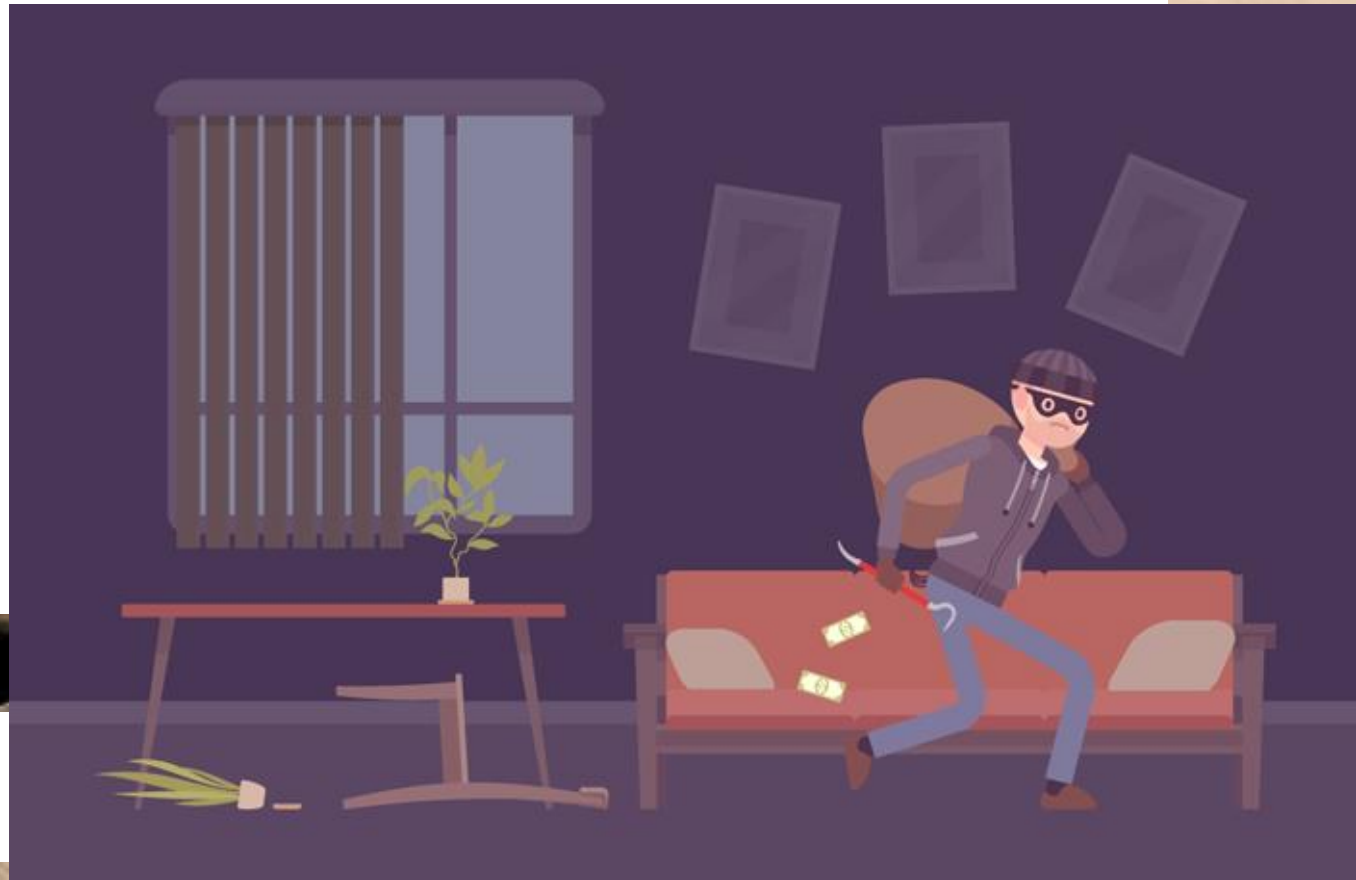
How



Attack Analogy

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

Action



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Analogy Recap

Vulnerability is the **what**

Exploit is the **how**

Attack is the **action**



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Use What We Learned



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Use What We Learned

**Spectre and Meltdown are
vulnerabilities**



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Use What We Learned

At the time of announcement in January there were no know exploits or attacks on these vulnerabilities.



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Use What We Learned

Now

According to AVTest there are over 150 code samples that they have collected that appear to exploit these vulnerabilities.



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Use What We Learned

According to AVTest there are over 150 code samples that they have collected that appear to exploit these vulnerabilities.

Still no known or reported attacks.



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What do I need to do?

No immediate danger, but the exploits and attacks are coming.



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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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The Facts

- No current Exploits
- No current Attacks
- The Exploits & Attacks are Coming
- We have patched everything that can be and are continuing to watch of more patches



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The Facts

- Pretty much everything with a processor is vulnerable.
- All computers, both Windows & Apple have this issue.
- Many older computers will never have a Bios Update.
- Buying a new computer doesn't fix the problem.



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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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Better Service

What is our Basic Service!

- Preventative Maintenance
- Anti-Virus
- Off-Site Backup
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- Remote Access



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Better Service

New & Additional Services!

Security Assessments	HIPAA & PCI Compliance Assessments & Reporting	
Office 365	Exchange Email	Encrypted Email
Enhanced Network	Enhanced Backup	Enhanced Security
Basic Maintenance		



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Security Update

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



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Security Update

Our work & personal lives
are interconnected.



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Security Update

The things we do away from
the office effect the office
and visa versa.



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Security Update

**You can't fight today's
threats using 1990's
technology**



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**You can't fight today's threats using
1990's technology**

**Traditional Anti-Virus is
not going to stop the threats
we have today!**



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Big Threats

- **Mobile Devices**
- **Working at Home**
- **Public Wifi**
- **Free Email**
- **DNS Directory Hijacking**
- **Data Breaches**
- **Identity Theft**
- **Ransomware**



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Security Summary

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



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Problems We Are Trying To Solve

- **Ransomware**
- **Data Breaches – Direct & Indirect**
- **Email**
- **DNS Security**
- **Enhanced Network Security**
- **Identity Management & Protection**
- **Password Management**
- **Public Wifi**
- **Mobile & Home Devices**



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New Partnerships

- **ASCII**
- **MSP Alliance**
- **ID Agent**
- **Cyren**
- **SentinelOne**
- **Carvir Security**
- **Pass Portal**
- **Dashlane**
- **JumpCloud**
- **Fortinet**

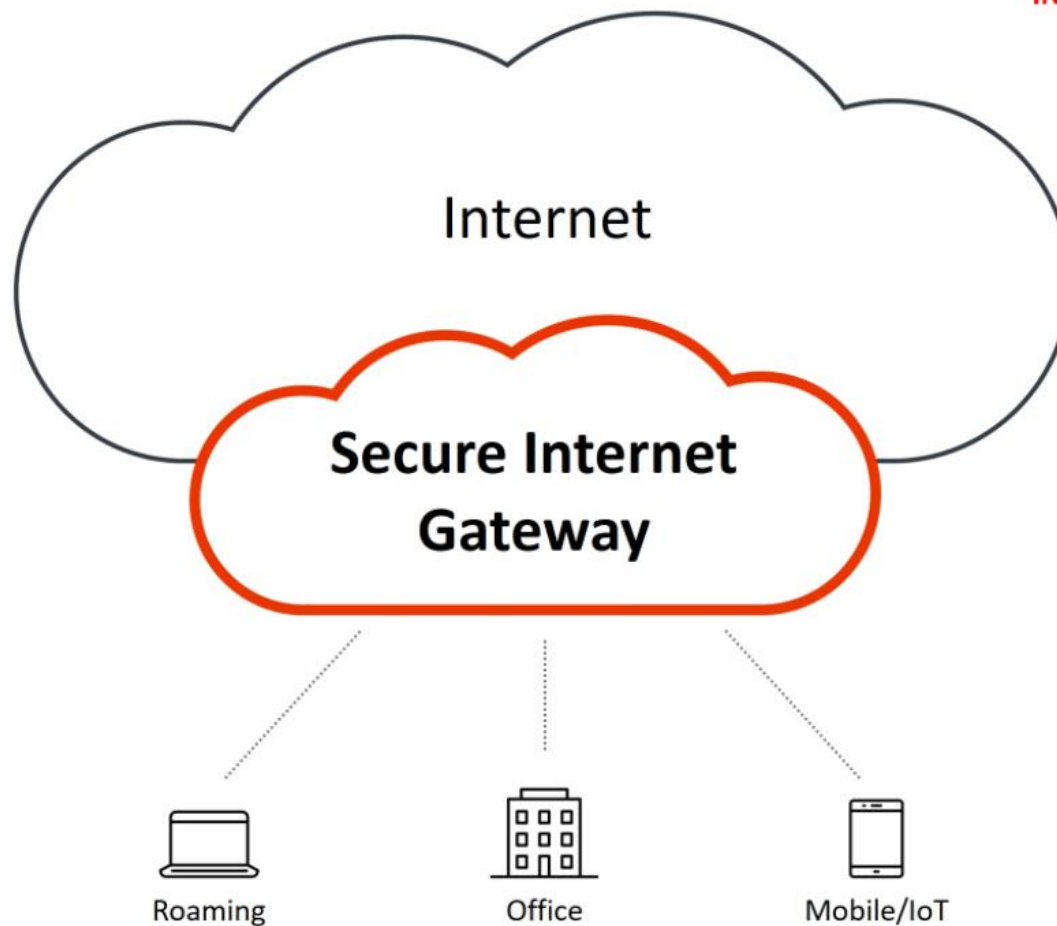


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Everywhere Protection

✓ SaaS SIMPLICITY
IN THE CLOUD

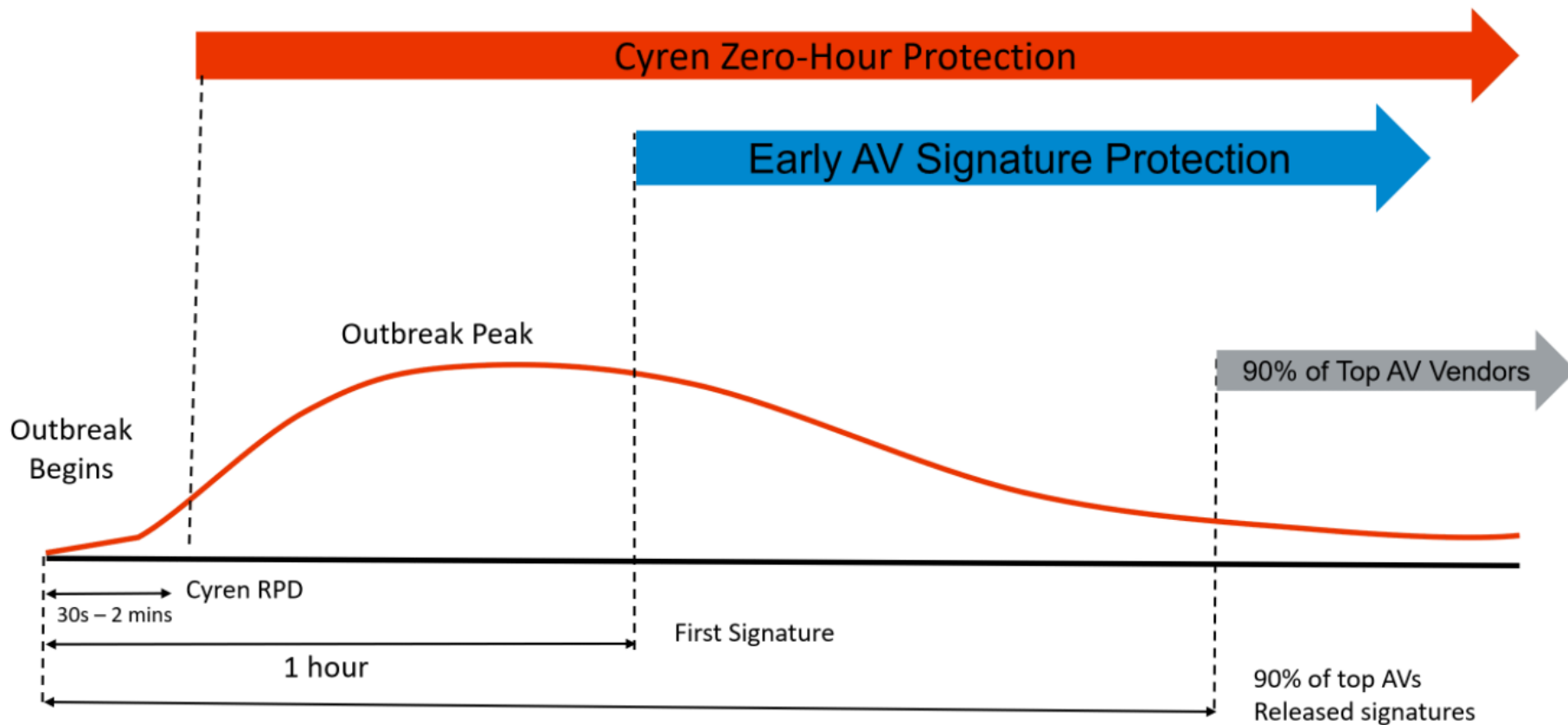
- ✓ Easy to manage
- ✓ Easy to afford
- ✓ Scalable
- ✓ Available
- ✓ Adaptable
- ✓ Reliable
- ✓ Secure



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Everywhere Protection

Cyren Zero-Hour Protection



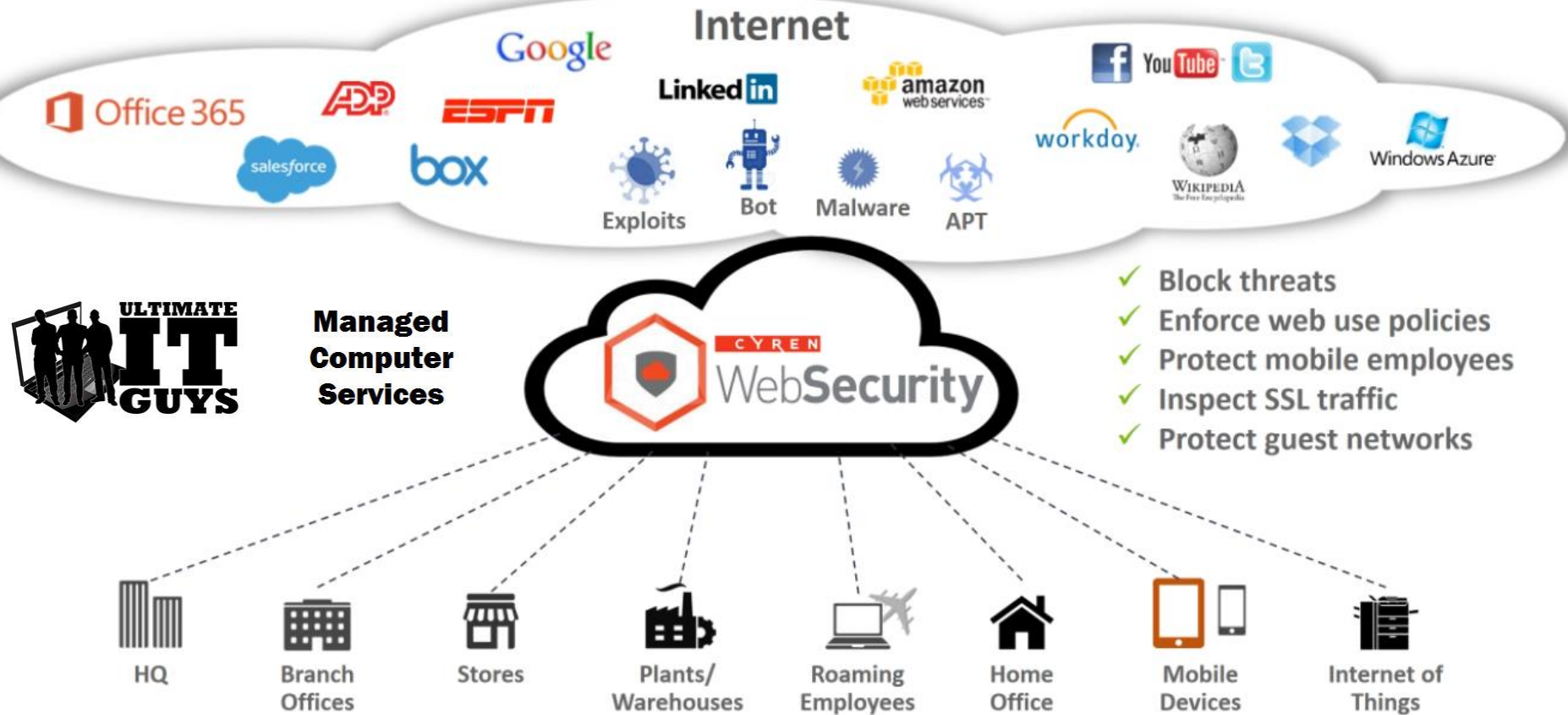
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Everywhere Protection

Cloud-based protection for any user, anywhere, on any device



Relying on Cyren Threat Intelligence



New Enhanced Security

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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New Enhanced Network Security

Network Protection

Protects everything on your network from:

DNS Hijacking

Bad Websites Filtering

Phishing Websites Filtering

Entire network for \$25/mo



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Security Summary

What are we going to do going forward

- Ransomware
- Darkweb
- Identity Management



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Questions?