

DHS&EM Preparedness Conference, Spring 2015

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Cyber Security

OR

Do You Know Where Your Data
Is Tonight?



Security
is
EVERYONE's
business



Personal Security

Limited Scope

Easy to Describe (relatively)

Not a burden (usually)



Cyber-Security

Limitless (almost) Scope

Invisible, Defies Easy Description

Digital Footprints

Many Frontiers



Just How Many Frontiers?

<https://youtu.be/PcZg51I9no>

Did You Know? 2014 Remix, Shift Happens



Dizzying Pace of Adoption

Mobile Devices

Social Media – for Security!

So long TV and Land-lines

Controls/ers, SCADA, Door Locks

Wearable Tech – Multi-Billion Industry this year.



Three Pillars of Security

Confidentiality

Integrity

Availability

Shouldn't Cyber-Security be Easier?



How Did We Get into This Mess?

<https://youtu.be/sdpxddDzXfE>

NovaLabs, YouTube



A Brief History of the Computer Virus

1971	Creeper	DEC Computers
1988	Morris Worm	DEC/VAX, Sun
2000	ILOVEYOU	Millions/Hours
2013	Cryptolocker	1 st Ransom-ware



Is it as Simple as Securing the Devices?

<https://youtu.be/H0I7jQb37bo>

NovaLabs, YouTube



OUCH!

Lock the Right Door:

www.Securingthehuman.org



Cyber Security as Stewardship

Trust Relationship

Walled City Tradition



Is a Wall Good Enough?

<https://youtu.be/YiUN35Ikdfw>

Convergence and Cyber Spy, TED Talks



Give Up and Go Home?

No!

Do What You Already Know:



Physical Security

Data “Walkabout”

Field Trip!

Patch!

Code Red – 2.2m/3 days

Patch was posted 30 days before



Passwords

More than One

Longer

Play “Hard to Get”

Change it Up!



Data Hotels

Foreign Travel

Best of Breed or Single Console?



Honey Pot Training

Search and Rescue Principles

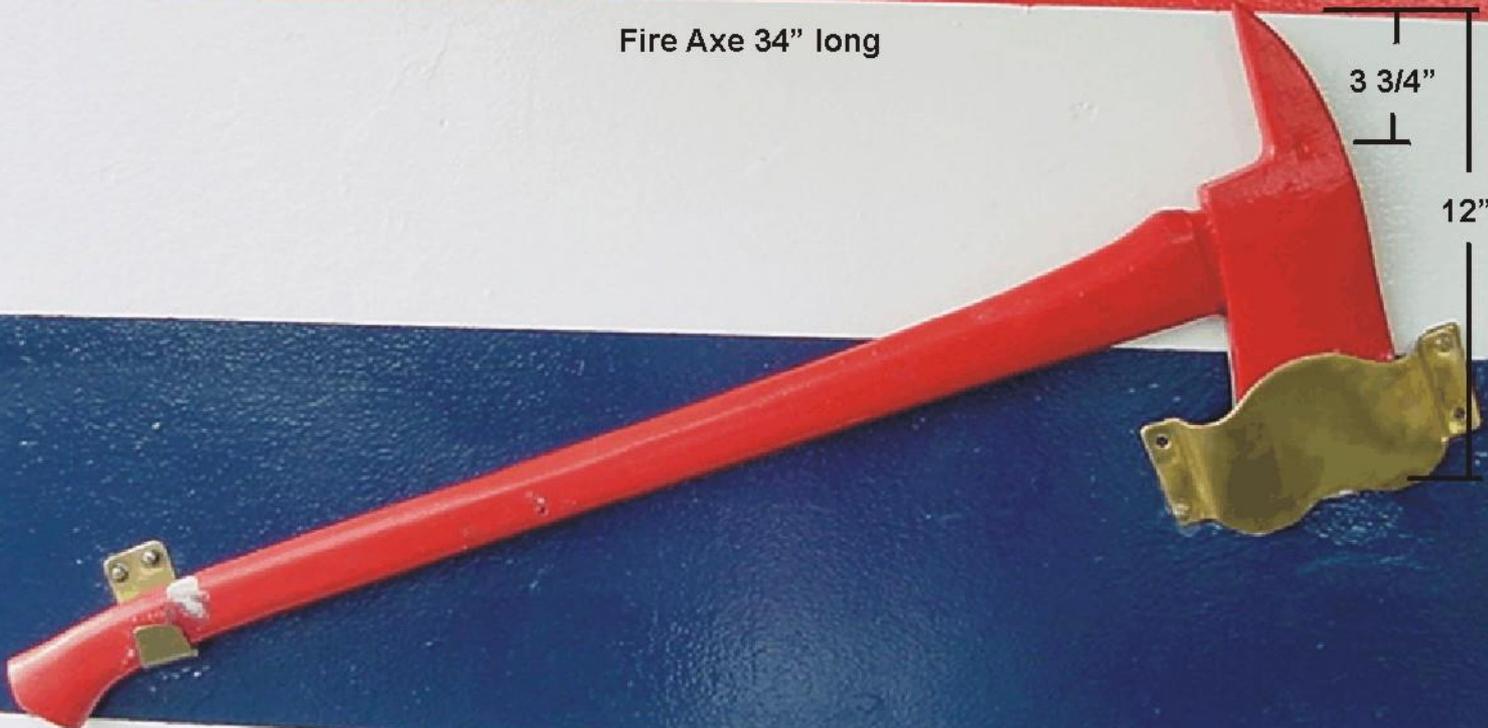
The Ultimate Network Security Tool:



Fire Axe 34" long

3 3/4"

12"



Thank You!

Questions? Observations?

