RANSOMWARE

What we learned.


Our Disaster Recovery Plan
Goes Something Like This...
HELP!
HELP!

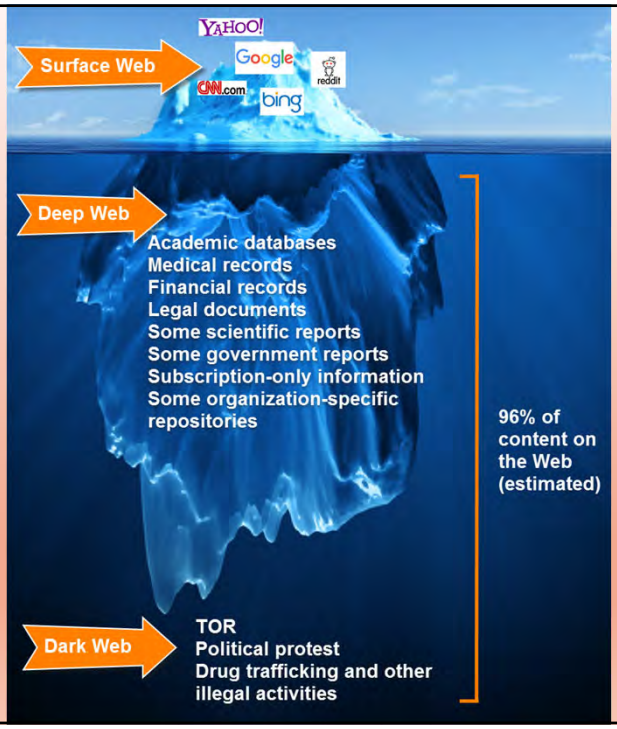

Lessons
Learned


Lessons learned
WHY LODI?


DISRUPTION
www


BITCOIN • DIGITAL • DECENTRALIZED • PEER TO PEER
METALS
CMAG


Surface Web (4% of the World Wide Web)
Legitimate sites we all use
NETFLIX
facebook
Linked in
amazon
YouTube
CHASE
Gmail
Porn
Deep Web (96% of the World Wide Web)
Say Hi to the FBI
Drugs & Gambling
Corporate R & D
Pornography
Military
Pedophilia
Organized Crime
Political Militants
Cyber Gangs
Icons and trademarks are the property of the registered owners.


Surface Web
YAHOO!
Google
reddit
CNN.com
bing
Deep Web
Academic databases
Medical records
Financial records
Legal documents
Some scientific reports
Some government reports
Subscription-only information
Some organization-specific repositories
96% of content on the Web (estimated)
Dark Web
TOR
Political protest
Drug trafficking and other illegal activities


hacker inside

Special warning for system administrators, network administrators and third parties:

Do not try to solve this problem by yourselves!
Don't change file extensions! It can be dangerous for the encrypted information!

Your network has been penetrated.
All files on each network host have been encrypted with a strong algorithm.
Backups were encrypted too.

Shadow copies also removed, so F8 or any other methods may damage encrypted data but not recover.

Decryption takes from ten minutes up to several hours.
It is performed automatically and doesn't require from you any actions except decoder launching.

DO NOT RESET OR SHUTDOWN SYSTEM — files may be damaged.
DO NOT DELETE readme files.Your system administrators are trying to solve problem by simple file extension changing. This actions seriously increase the time needed to recover your company's PCs and network servers!

To confirm our honest intentions. Send 2 different random files and you will get them back decrypted.
It can be from different computers on your network to be sure that one key decrypts everything.
We will unlock 2 files for free.
To get info (decrypt your files) contact us at
DavaWittich92@protonmail.com
or
OvershinerAybrie@protonmail.com

You will receive btc address for payment in the reply letter

Ryuk

No system is safe

Protect your backups!

Stop the spread!


RISK MANAGEMENT
CALIFORNIA JOINT POWERS
RISK MANAGEMENT AUTHORITY


Cyber Forensic Experts

Let the Cyber Professionals Help You

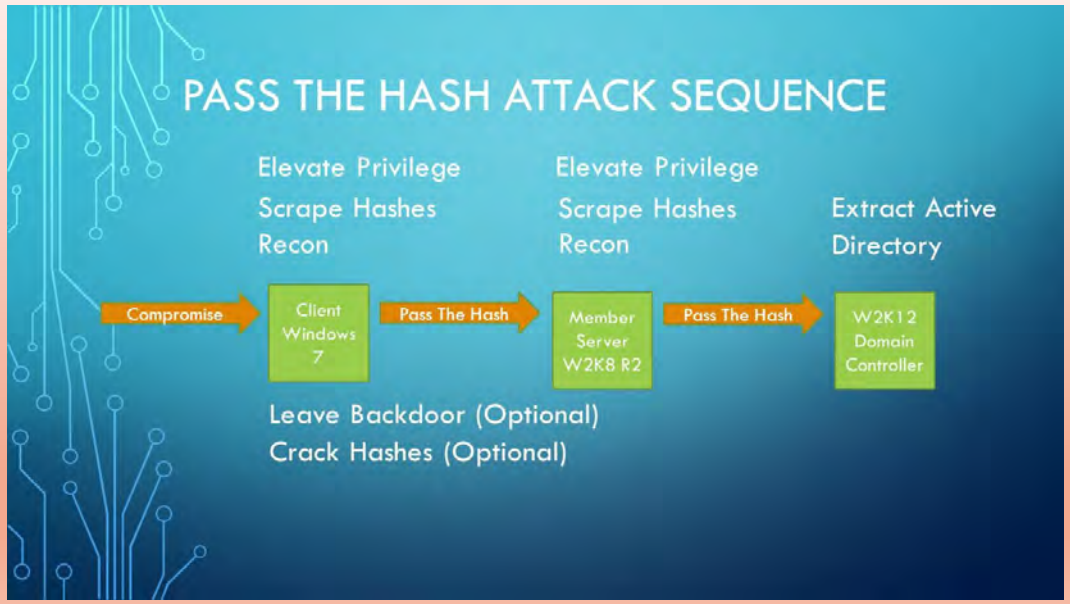
Managed communications with the bad actors.

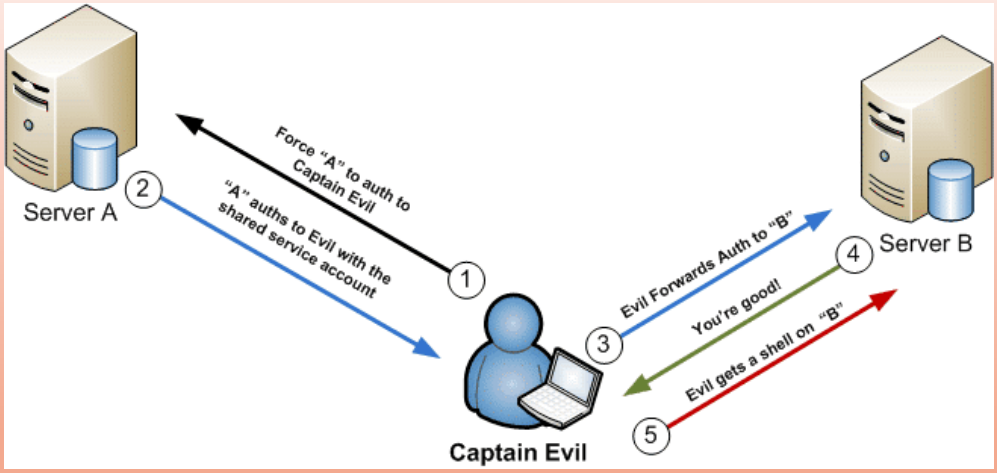
Identified where to find the .exe

Created a report that acknowledged what needed to be patched.

Collected the hard drives that were encrypted to try to establish evidence.

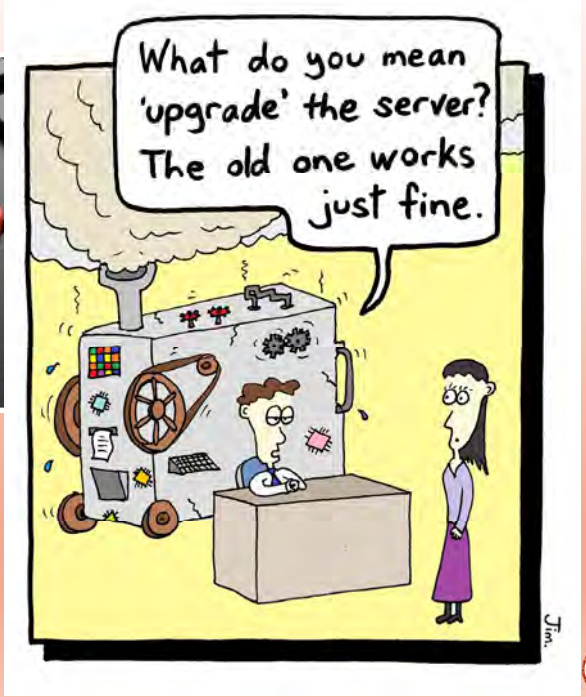

HOW THE HECK DID YOU FIGURE OUT MY PASSWORD
KeepCalmAndPosters.com

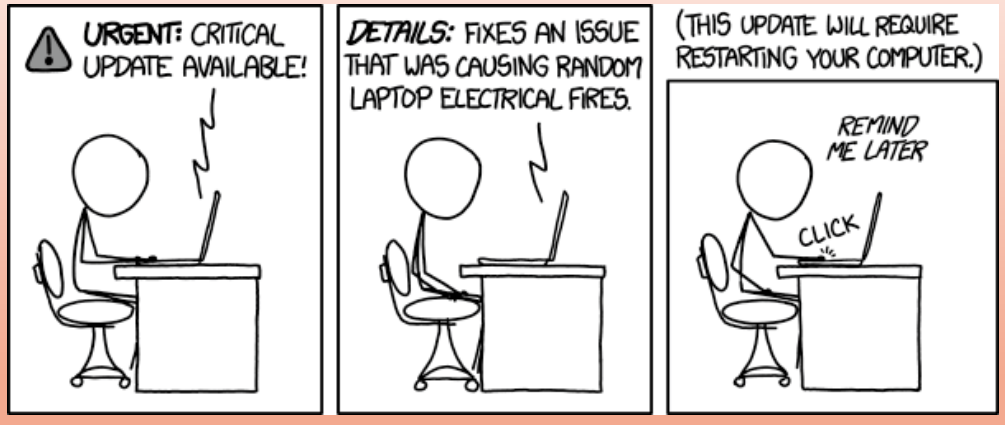

PASS THE HASH ATTACK SEQUENCE
Elevate Privilege
Scrape Hashes
Recon
Elevate Privilege
Scrape Hashes
Recon
Extract Active Directory
Compromise
Client Windows 7
Pass The Hash
Member Server W2K8 R2
Pass The Hash
W2K12 Domain Controller
Leave Backdoor (Optional)
Crack Hashes (Optional)


Server A
Force "A" to auth to Captain Evil
1
"A" auths to Evil with the shared service account
2
Captain Evil
Evil Forwards Auth to "B"
3
You're good!
4
Evil gets a shell on "B"
5
Server B


SECURITY AWARENESS TRAINING
IMPLEMENTING END-USER INFORMATION SECURITY AWARENESS TRAINING


Update


What do you mean 'upgrade' the server? The old one works just fine.
Jim.


URGENT: CRITICAL UPDATE AVAILABLE!
DETAILS: FIXES AN ISSUE THAT WAS CAUSING RANDOM LAPTOP ELECTRICAL FIRES.
(THIS UPDATE WILL REQUIRE RESTARTING YOUR COMPUTER.)
REMIND ME LATER
CLICK