



Introduction to Cyber

David Shiffman

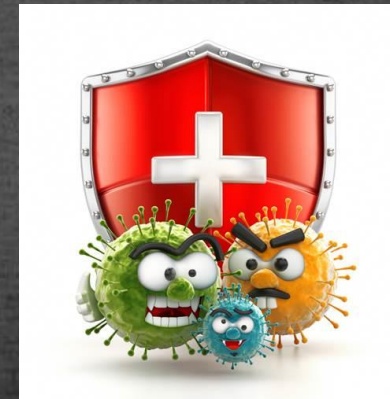
What happens in Cyber-world during day

Every 24 seconds the server computer is being accessed to a malicious website.

Every 34 seconds a malicious software/malware is being downloaded.

Every 5 minutes a malicious app is being used.

Every 36 minutes sensitive information is being leaked out of an organization.



Microsoft Responds To Windows 10 Spying Concerns, But It will Still Collect Your Data

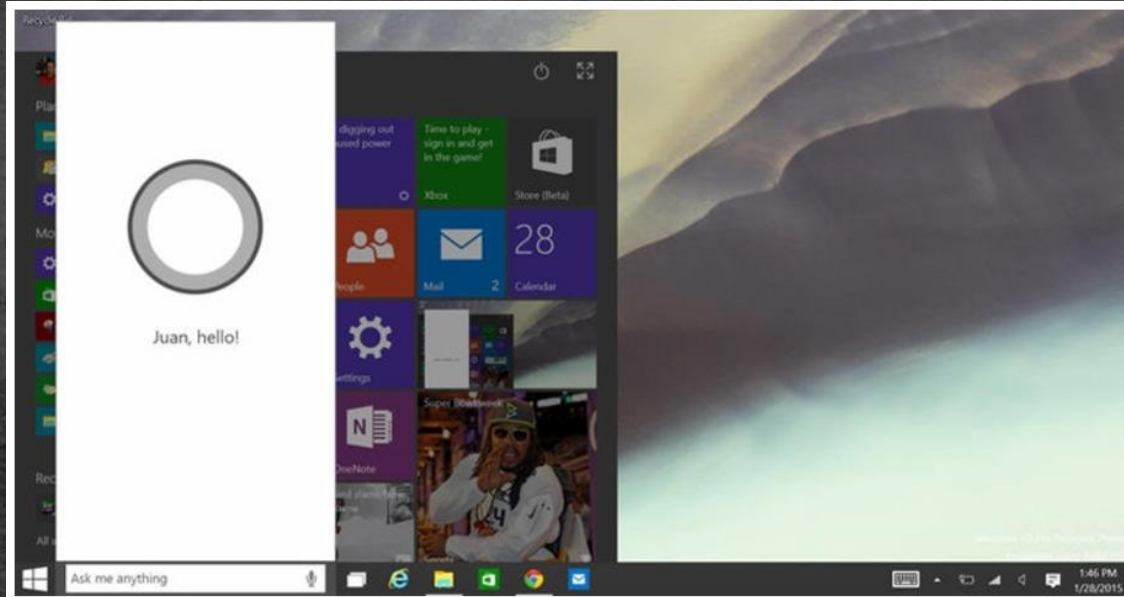
Tuesday, September 29, 2015 Swati Khandelwal

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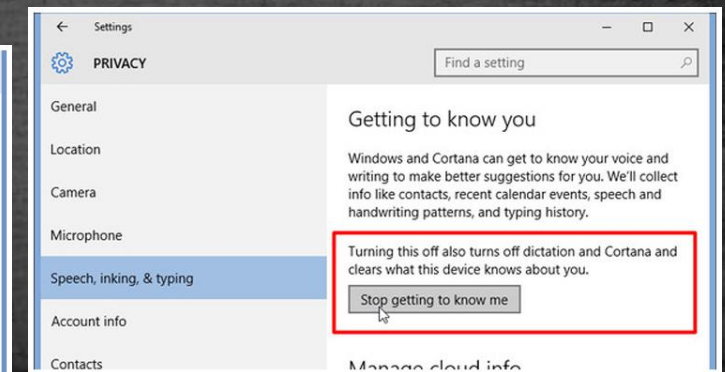
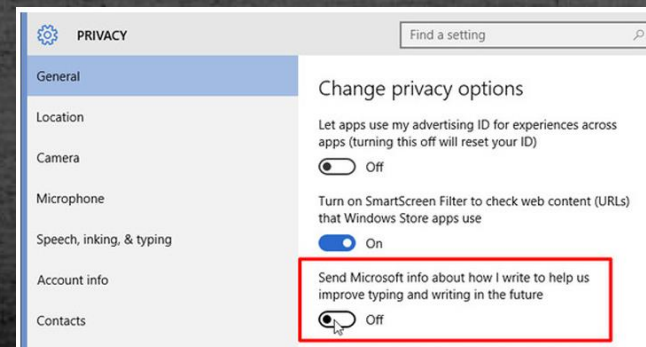
Microsoft responds to:

Windows 10 Spying Concerns

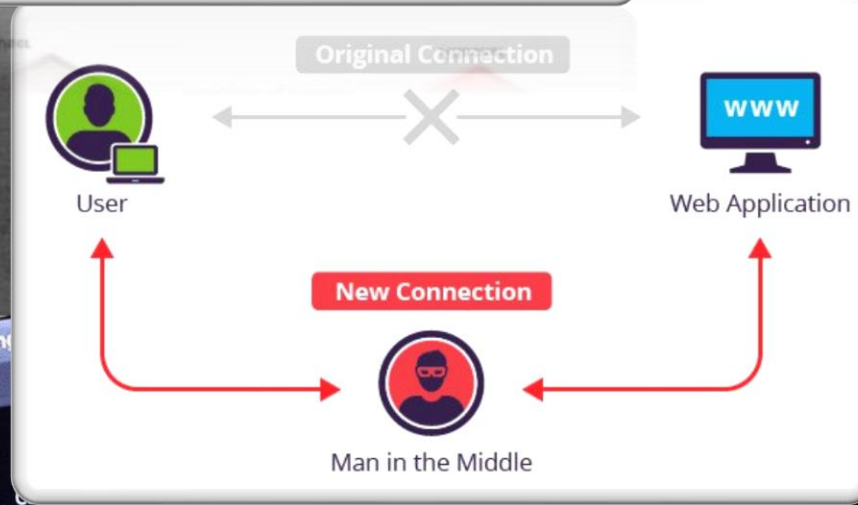
...But It will Still Collect Your Data



Windows 10 Doesn't Stop Spying You, Even After Disabling It's Creepy Features



The UAV – XBee focus



```

root@bt: ~ - Terminal
AirCrack-ng 1.1 r1904
[00:05:04] 375364 keys tested (1247.87 k/s)
KEY FOUND! akusayangnirvanabanget
Master Key : 20 A4 53 C8 8F 70 CB 7D A0 1F A1 A8 EC 57 96 8C
              C9 AA DB 2F 3D A1 EA 50 06 46 62 75 5F 64 EF 19
Transient Key : A2 39 4B 88 0C 5E 47 E4 E8 0B C6 E1 D6 0E 7E 18
                 48 B4 35 32 96 7B FB F6 E8 C3 30 A3 5B 1D 91 30
                 79 5A 2D 1D 2E 76 43 E1 18 6D 3C F3 83 E6 79 81
                 98 04 FA AA D7 04 04 ED 21 15 D9 4D 57 B1 4F 20
EAPOL HMAC : FF 87 0A 7C 0D 9E 8D 37 80 19 89 78 3C C1 FD D9
root@bt:~#
    
```

```

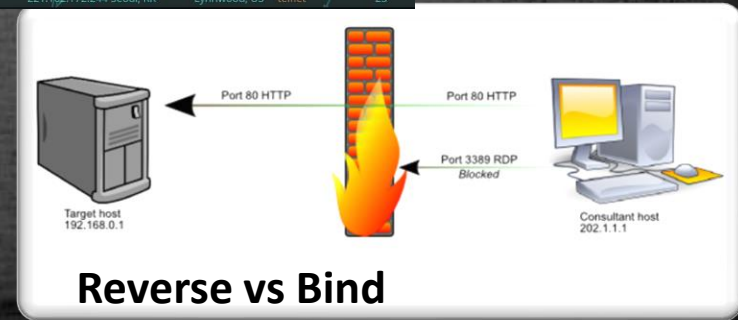
aircrack-ng: airodump-ng
File Edit View Bookmarks Settings Help
CH 9 || Elapsed: 49 mins || 2013-08-28 11:07
BSSID PWR Beacons #Data, #/s CH MB ENC <length:
00:21:29:C4:A8:E9 -1 26351 272668 130 9 54e WPA2 CCMP PSK Mandela2
00:25:9C:97:4F:48 -29 875 149 0 6 54e WPA2 CCMP PSK belkin.276
08:86:3B:74:22:76 -57 5653 65 0 11 54 WPA TKIP PSK Fresca
0A:14:6C:D0:88:02 -62 937 62 0 11 54e WPA WEP PSK 7871
0A:86:3B:74:22:77 -62 2378 25 0 6 54 WPA2 CCMP PSK WSCJ
FE:F5:28:26:B1:58 -65 979 0 0 6 54 WPA2 CCMP PSK myqwes52
00:24:7B:68:73:5C 67 1985 0 0 6 54 WPA2 CCMP PSK
00:00:00:00:00:00 -70 0 0 0 0 0 WEP WEP
STATION PWR Rate Lost Frames Probe
00:1E:8F:8D:18:25 -18 0 - 1 89 19740 NETGEAR
00:00:03:22 -71 0 - 1 279 21 myqwest5275
00:00:00:00:00:00 57 0 - 1 57 0 Weyer,DietrichOMFS-
    
```

Wi-Fi attacks

BlackBox

Breaking in >>

map.norsecorp.com



SPOOFING....



The screenshot shows the SpoofCard website interface. At the top left is the SpoofCard logo. The navigation menu includes links for Features, Buy Credits, Get Our App, Support, and Login, followed by a blue 'GET STARTED' button. The main content area features a smartphone displaying an incoming call from '(888) 867-5309'. Below the phone, there is a blue button labeled 'Explore SpoofCard' and the text 'Trusted by 750,000+ professionals.' At the bottom of the page, it says 'Scroll to learn more'.

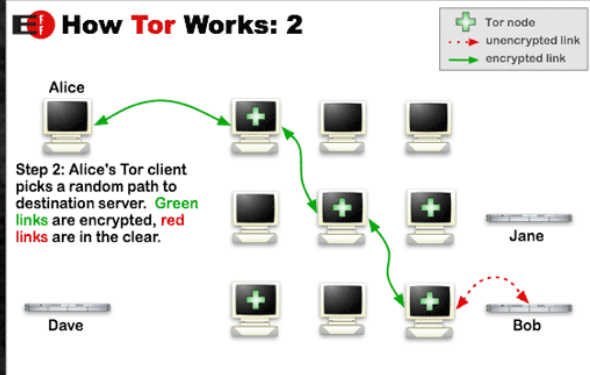


Steganography





ת.ז.מ.	א.ס.	ת.ז.א.ב.	א.ב.	כ.נ.י.ס.ה.	ד.י.ר.ה.	ס.פ.ר.	ד.ח.ו.ב.	י.ס.ר.ב.	א.ר.ץ.ל.י.ד.ה.	מ.צ.ב.א.י.ס.י.	מ.י.ן.	ג.י.ל.	פ.ר.ט.י.	מ.ש.פ.ח.ה.	ת.ז.
1633	לינה	1632	אלכסנדר		19	25	ב.ר. כ.ו.כ.ו.א.	א.י.ס.ק.ל.ו.	י.ס.ו.א.ג.	10	1	39.8	א.ב.י.	ל.ו.י.נ.ש.ו.ס.	033826



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Bitcoin (BTC) \$2751.41 (-0.16%)
1.00 BTC (0.00%)

Cyber-Attack Tools



Present & Future

- Mutations
- Ransomware
- Destruction mode



home > tech

Hacking

Hackers can hijack Wi-Fi Hello Barbie to spy on your children

Security researcher warns hackers could steal personal information and turn the microphone of the doll into a surveillance device



ANDY GREENBERG SECURITY 07.21.15 06:00 AM

HACKERS REMOTELY KILL A JEEP ON THE HIGHWAY—WITH ME IN IT




MOTHERBOARD Afraid of the Dark? Too Bad, Your Smart Bulbs Can Be Hacked

NEWS

Afraid of the Dark? Too Bad, Your Smart Bulbs Can Be Hacked

LORENZO FRANCESCHI-BICCHIERAI

Aug 9 2016, 12:46pm



INDY/TECH

BABY MONITORS 'HACKED': PARENTS WARNED TO BE VIGILANT AFTER VOICES HEARD COMING FROM SPEAKERS

Parents have heard voices coming from their baby's rooms / Getty

Some parents reported how they had walked into their child's room in the middle of the night only to hear men speaking down the monitors at their children

ELEANOR ROSS
Saturday 30 January 2016 13:29 GMT





 CLICK TO FOLLOW THE INDEPENDENT TECH

Protection and Awareness



Layer one: Building Security Foundations

Develop a security culture

Security Awareness e-Learning



Don't worry,
It's going to be fun
and educational

Get certified online with up to date content and risks. Let your employees understand how to protect your business.

Phishing Campaign



Once the awareness training is over, a phishing campaign will add **another** layer of security by finding the weakest links.

Layer two: Cyber Security Assessment

Let your clients know that with you, they are more secure



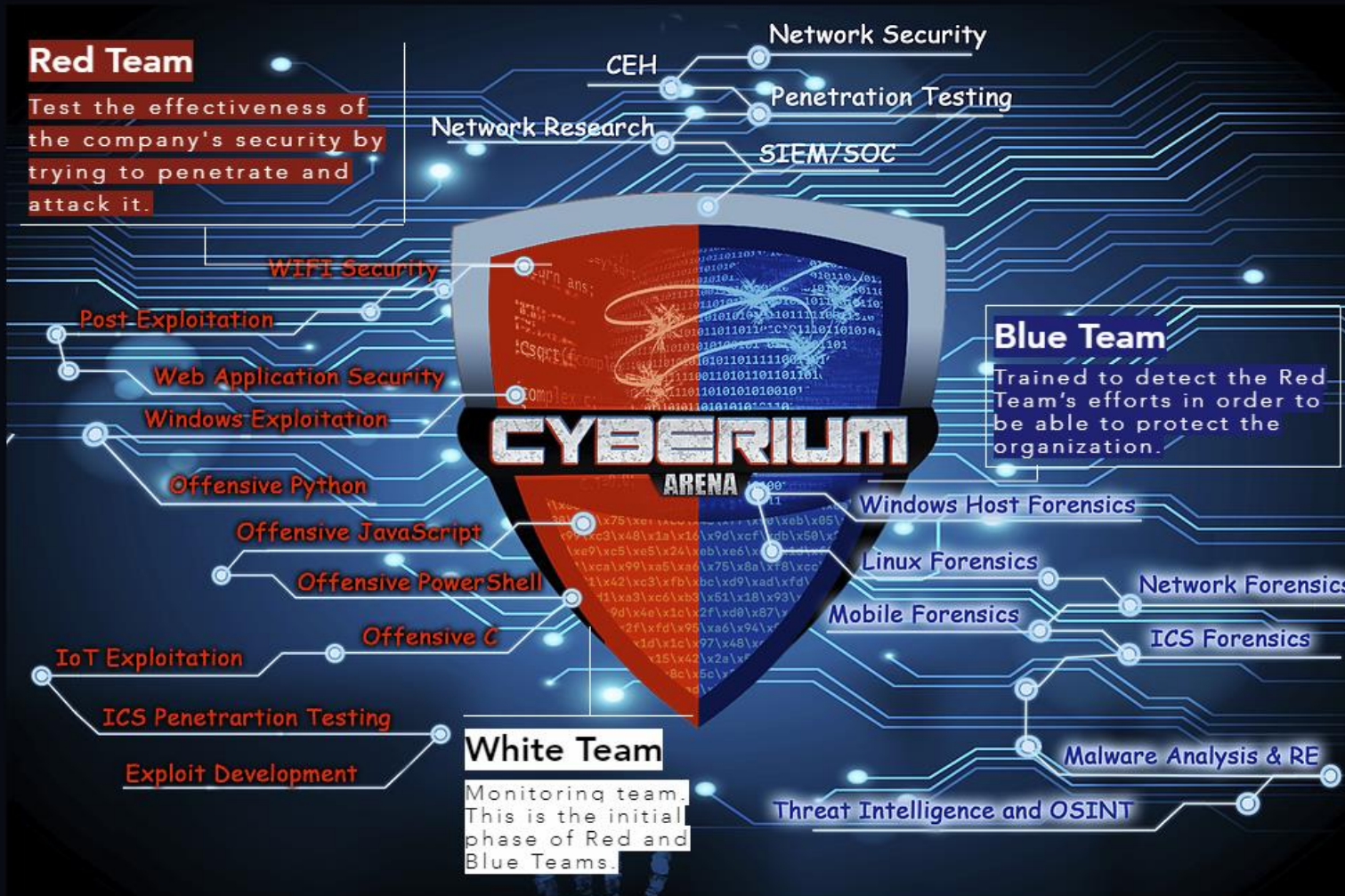
Layer three: Cyber Resilience

Developing a Security Strategy



Layer four: Cyber Security Training

Futureproof your business





Q&A