



The Art of Invisibility: Important New Privacy Concerns for Your Quickly Evolving Remote Workforce

A Discussion with Kevin Mitnick

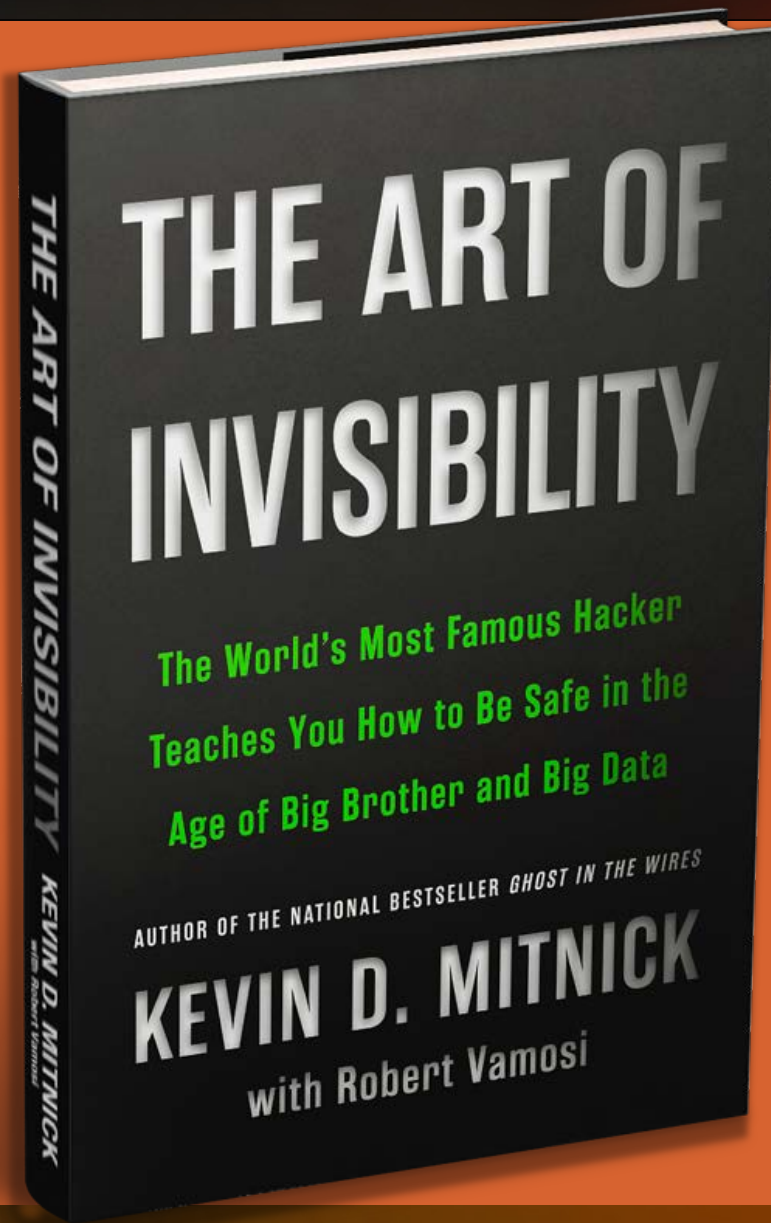


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Becoming Invisible





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The Tension:

(Convenience v. Privacy)



Even more than technology, privacy is an issue involving **mindsets** and **behaviors**

... and these involve “in the moment” **tradeoffs**
that neither **humans** nor **corporations** are good
at being **rational** about

A close-up, profile view of a person wearing dark-rimmed glasses. The person is looking towards the left. The background is dark and out of focus, showing green and blue light patterns that resemble digital data or code. The overall mood is technological and mysterious.

So, who is this information good for?
Is it just for sketchy guys in hoods?

In light of current events, what thoughts and recommendations do you have for workplaces and work-from-home situations?



Work from home considerations

- Separate devices for work & personal use, if possible
- Consider using direct Ethernet connection; if not available, ensure wireless connection is secure (i.e. WPA2)
- Where possible, use a VPN to access & interact with employer systems/data
- Upgrade router and modem firmware

Your people working from home may be
stressed and distracted.

...they are more vulnerable than ever to phishing attacks.

Demo



What about Mobile Devices?



ZERODIUM Payouts for Mobiles*

FCP: Full Chain with Persistence
RCE: Remote Code Execution
LPE: Local Privilege Escalation
SBX: Sandbox Escape or Bypass

■ IOS
■ Android
■ Any OS

Up to
\$2,500,000

Up to
\$2,000,000

Up to
\$1,500,000

Up to
\$1,000,000

1.001
Android FCP
Zero Click
Android

1.002
iOS FCP
Zero Click
IOS

2.001
WhatsApp
RCE+LPE
Zero Click
IOS/Android

2.002
iMessage
RCE+LPE
Zero Click
IOS

2.003
WhatsApp
RCE+LPE
IOS/Android

2.004
SMS/MMS
RCE+LPE
IOS/Android

Mobile Device Considerations

- iOS devices keep a record of all your location data
- Suspect malware? Just reload OS on device.
- Are you protecting your backups with a good password? (more on passwords later)
- Keeping patches up to date on mobile devices
- Use a strong credential to protect your mobile device
- Turn off Bluetooth and wireless when not using it
- Install Brave browser (privacy based), NYC Secure (mobile IDS), Signal or Wickr (secure messengers)
- Backup mobile device; note if you use google authenticator you cannot transfer 2FA codes to new phone
- Burner app for throw away numbers (can be tracked to phone owner)

Are 'Smart' Device actually *Surveillance* Devices?





When and where is deep privacy warranted?

-- Thoughts, Tools, & Gotcha's --



Thinking about Passwords

-- Keys to the Kingdom --

Demo





Final Thoughts & Takeaways



Thank You

KnowBe4
Human error. Conquered.