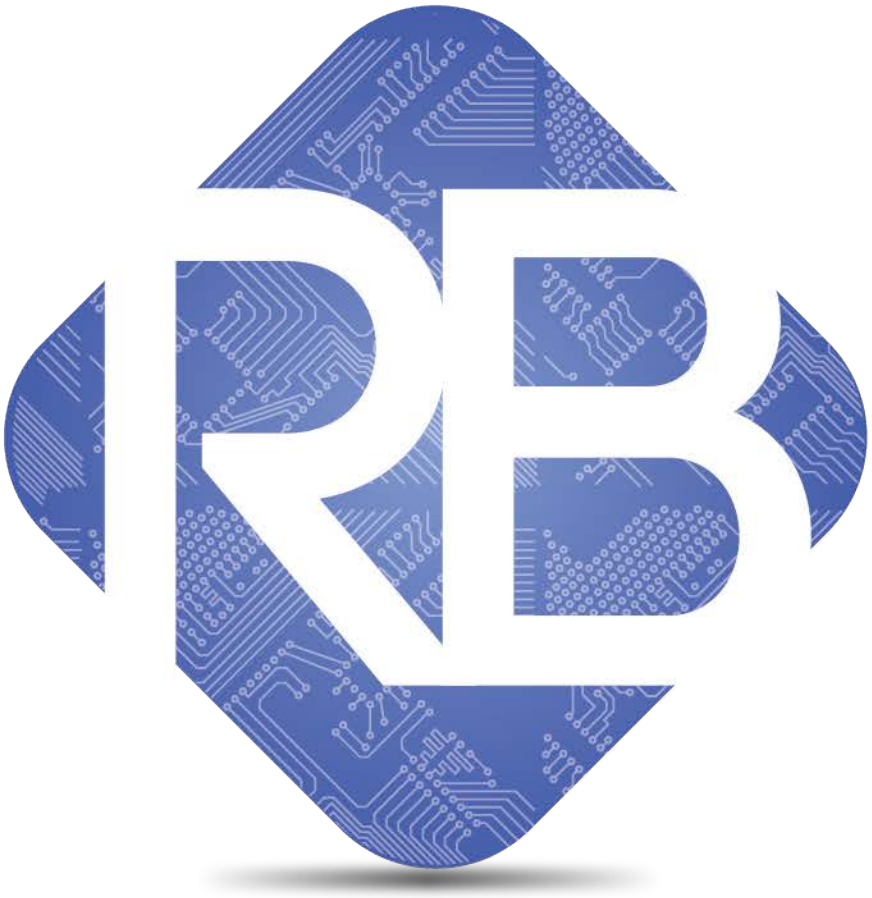
PRIMA'S 2019 RISK MANAGEMENT
WEBINAR SERIES

Your Greatest Risk

Understanding What It Is and What to Do About It

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“It was not designed for doing commerce, and it does not gracefully accommodate new arrivals.”

-Time Magazine, 1994

“The internet? Bah! The truth is, no online database will replace your newspaper.”

Cliff Stoll, Newsweek 1995

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China

- 80-90% of **all electronics** used on the planet are made in China.
- 70-80% of **all computers** are made in China.

Russia

- Russia's surveillance system Red October spied on other countries from 2008-2013.

North Korea

- Numerous attacks on various countries - notably South Korea and the United States.
- DDoS attacks on corporations and media
- Infamous Sony attack in 2014
- Numerous bank heists by the group APT38

30 countries have cyberwar agencies (departments or divisions in their military) including the US, Russia and China.

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ISIS

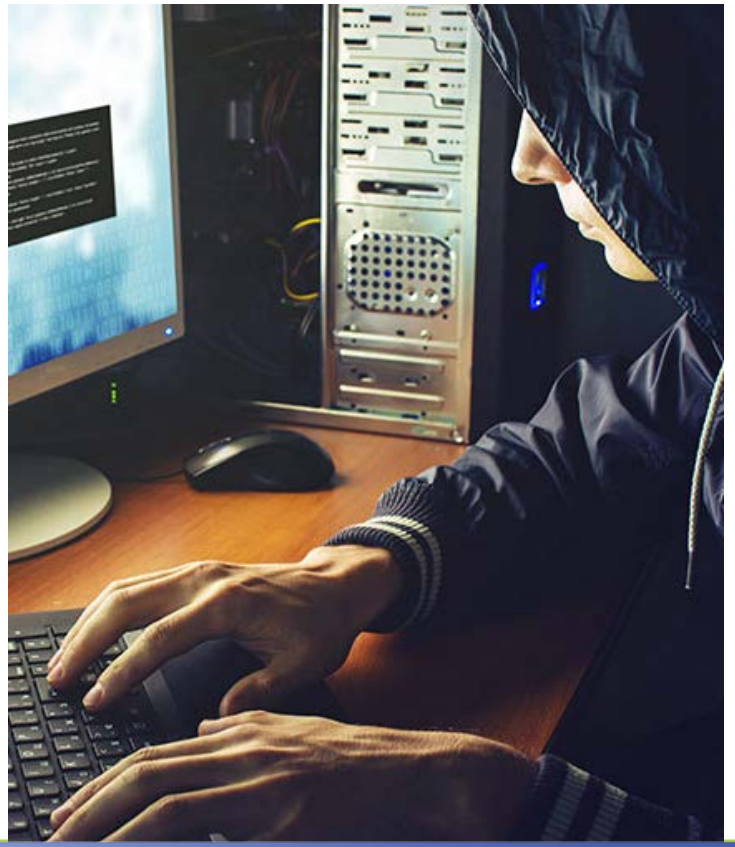
Modern Cyber Weapons

- Worms, rootkits and an infinite list of viruses
- Terrorists sell their hacking skills to the government willing to pay the most



Lone Wolves & Anarchists

- Impossible to track or find
- Motivated by hate




CRIME SCENE






CARTEL

Social Engineers

- Depending on the type of virus, 70 - 90% of all viruses are transported via email
- Remember this when you are reviewing information security and employee training



List Makers/Providers

- List of donors from a large non-profit
- List from a health insurance company
- Credit card owners
- Data from the Equifax breach in 2017



Identity Thieves

Every two seconds an identity is stolen.

- LifeLock 2013



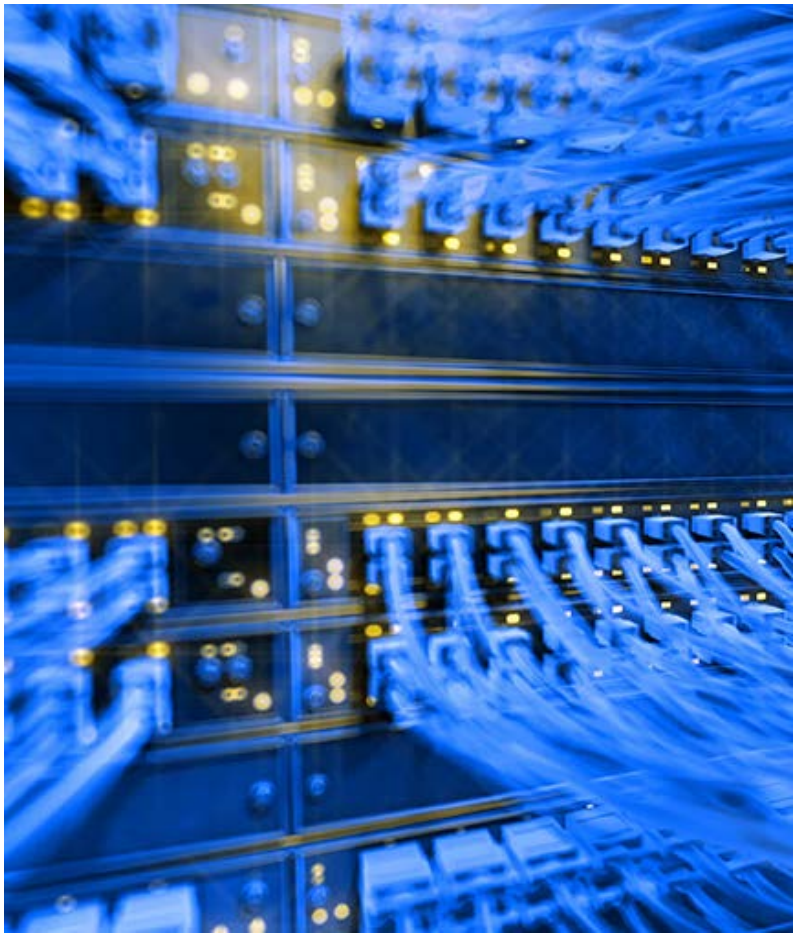
Chief Information Officers

Their Feedback On The Greatest Risks

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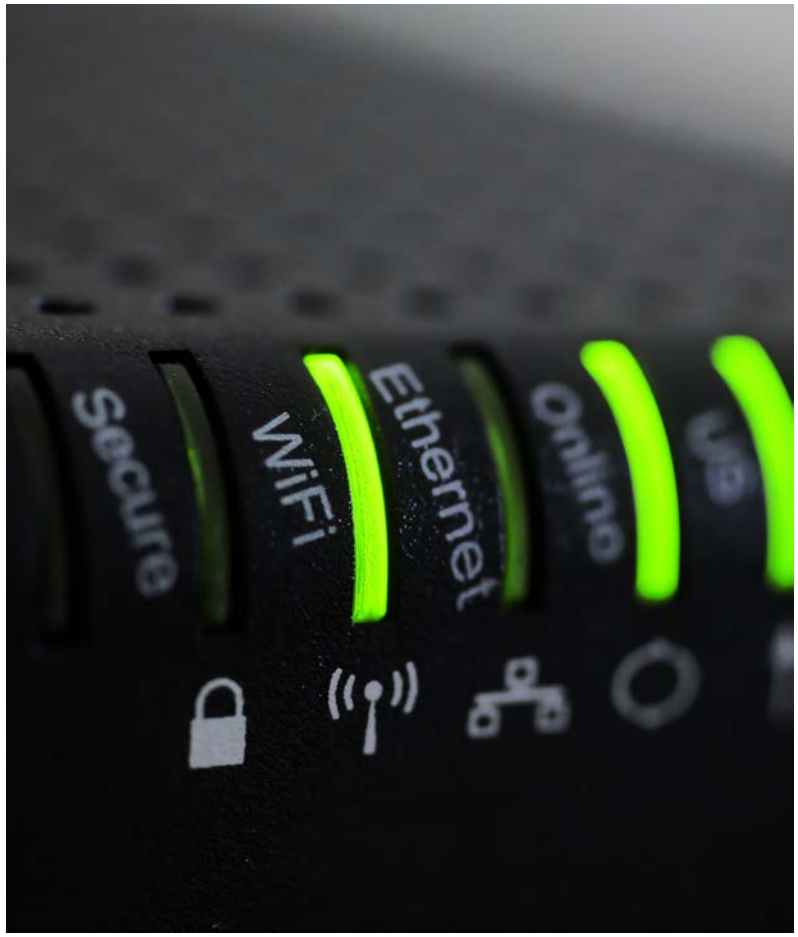
Privileged Accounts

- There is no asset that cannot be affected through these accounts



Network Vulnerabilities

- Identify endpoints
- Make sure every component has updated security



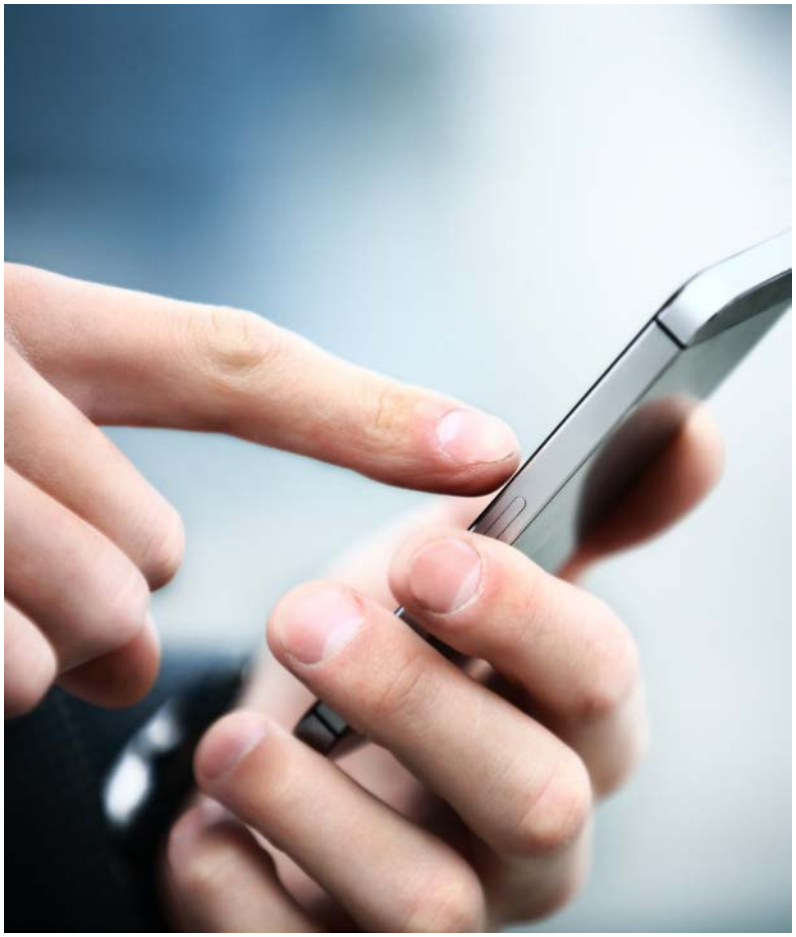
Computers

- Strong passwords
- Consistent patch management
- Effective employee training and motivation
- Consistent reinforcement



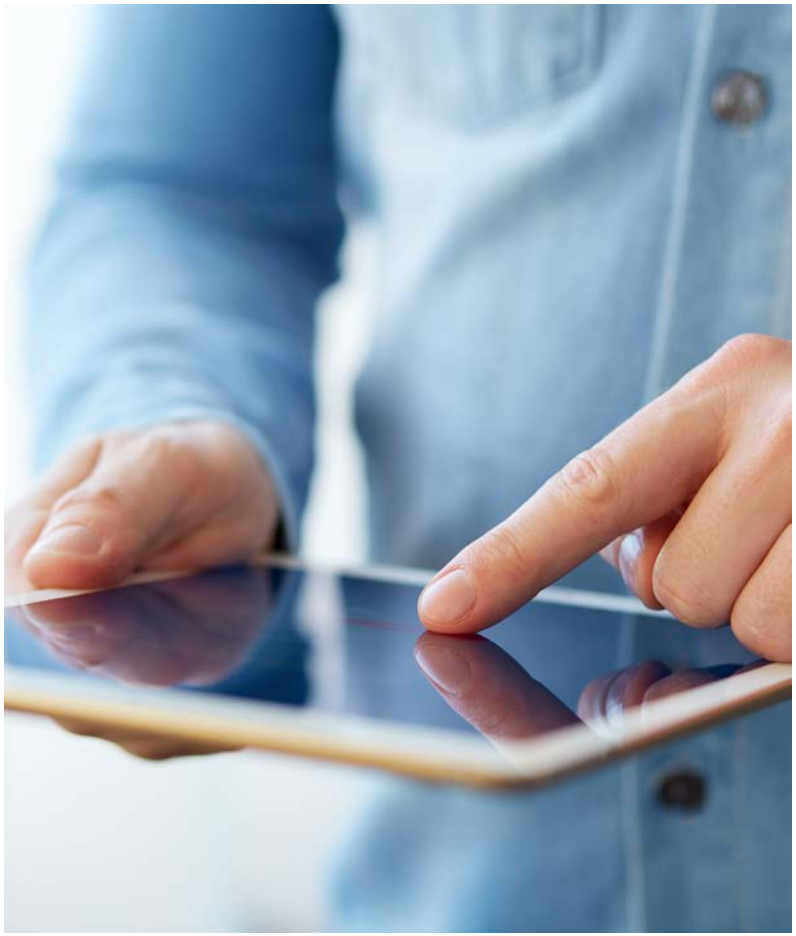
Telephones

- Phishing through email is Vishing on the phone
- SMiShing through text or messaging



Smart Devices (IOT)

- **Billions** of smart devices are connected to the internet
- All have sensors that record our movements, voices, conversations, schedules, preferences
- Governments & companies are compiling the data
- Cybercriminals are stealing it



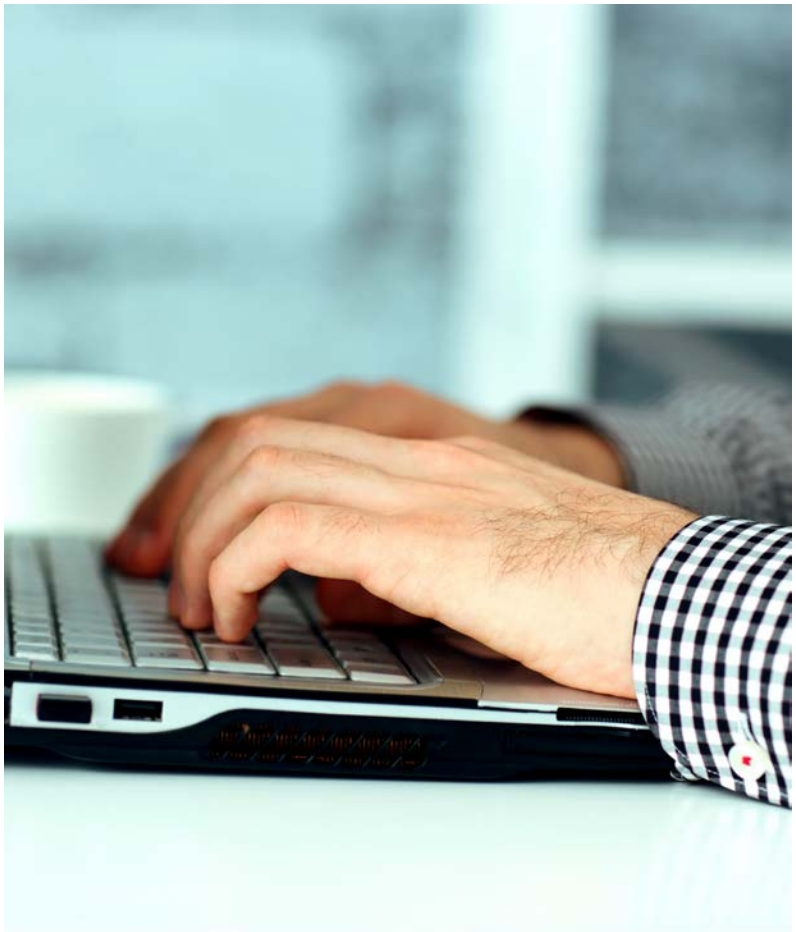
Is there a safe place?



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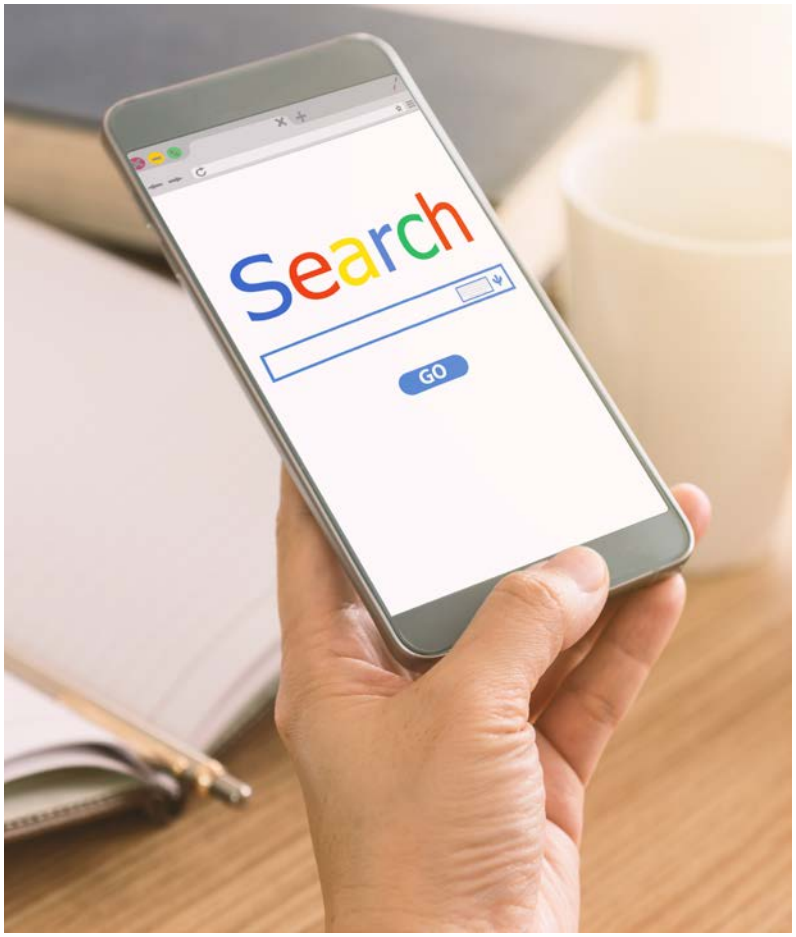
Browsers

- Google Chrome
- Internet Explorer/Edge
- FireFox
- Opera
- Dragon/Ice Dragon
- Brave



Search Engines

- Google
- Duck Duck Go
- StartPage



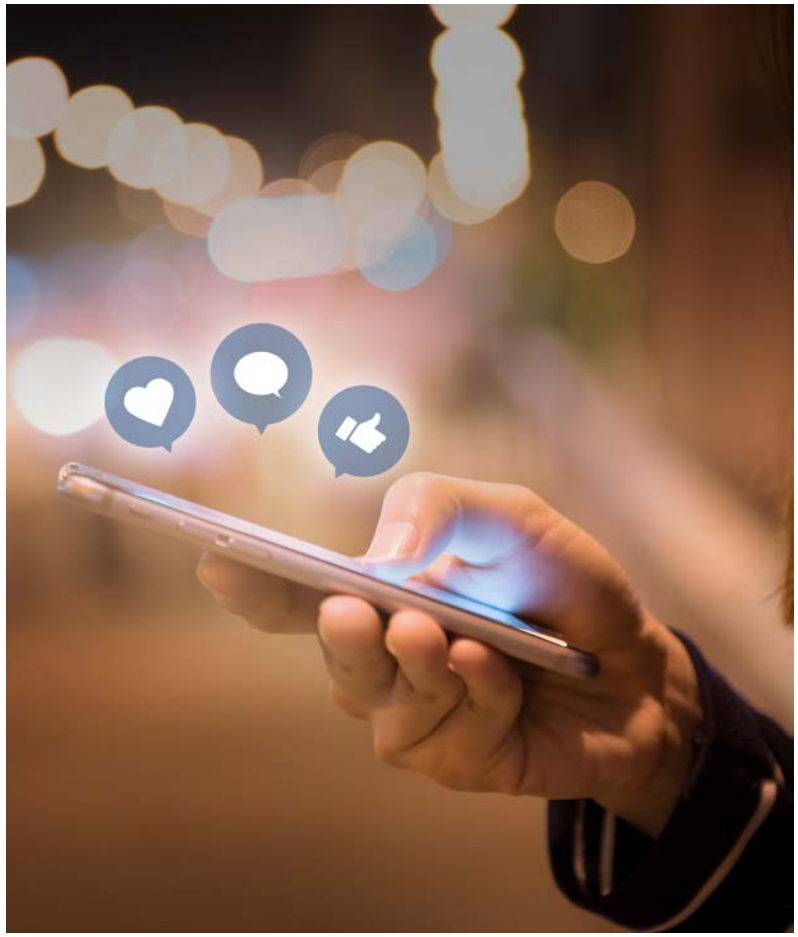
Email

- Outlook
- Thunderbird



Social Media

- Facebook
- Instagram
- LinkedIn



Advertising & Marketing

- Opt out
- Use the privacy settings
- Set up two-factor authentication





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The Greatest Risk



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Some Examples from 2019

- Dow Jones
- Tallahassee Florida
- Georgia Tech
- Oregon Dept. of Human Services
- Rubrik

Where To Start

- What data do you have?
- Who has access to the data?
- How could it be compromised?
- What would a breach cost your company?

Consistent Education



Thank you

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Referenced Resources

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3. *Data and Goliath* by Bruce Schneirer
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7. *We Are Anonymous* by Parmy Olson
8. *Swiped: How to Protect Yourself in a World full of Scammers, Phishers and Identity Thieves* by Adam Levin
9. *Staying Safe in a Very Dangerous World: Think Before You Click* by Ron Bush

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