Cybersecurity Act and Personal Data Protection Act Update

Future Trends Cybersecurity in Internal Audit

EXECUTIVE SUMMARY

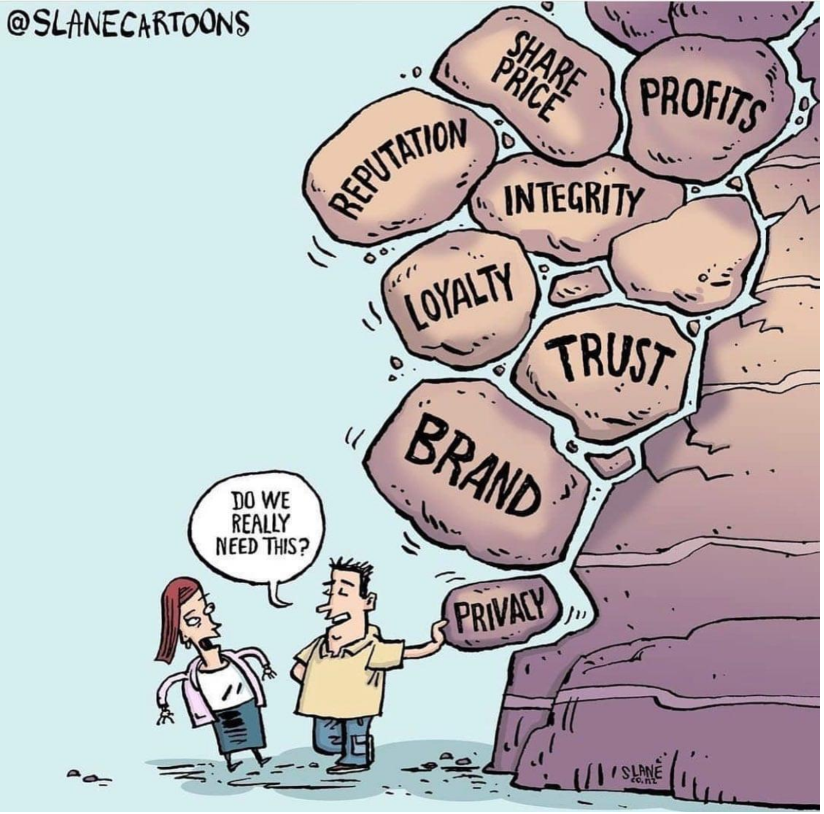
PRINYA HOM-ANEK

CISSP, CSSLP, SSCP, CASP, CFE, CBCI, CSX, ITIL Expert, CDPSE
COBIT 5 Foundation, COBIT 5 Implementation

Eisenhower Fellowships 2013, Member of (ISC)² Asian Advisory Council,
ISACA Bangkok, Thailand Information Security Association (TISA) Board Member,
Cybertron Co., Ltd. – CEO & ACIS Professional Center – Chairman of Executive Committee

ACIS/Cybertron Privacy & Cybersecurity Research LAB

ทำไมองค์กรถึงต้องให้ความสำคัญกับการคุ้มครองข้อมูลส่วนบุคคล



Hot Topics in 2021-2022

Cybersecurity Culture	Data Resilience	Data Science	Data Security Data Privacy	Data Governance	Data Residency
Digital Literacy/ Digital Inequality	Mobile/ Social Media Services	Internet of Things (IoT)	Information of Things	Big Data Analytics	Data Sovereignty
Cyber Literacy	Cloud Service	Cloud Security	Crypto, DeFi, NFT	Metaverse/ Digital Twin	Over-the-Top Regulation (OTT)
Cyber Resilience	Cyber Drill Cyber Range	Cyber Sovereignty	Information & Technology (I&T)	Operational Technology (OT)	Shadow Data Shadow IT

Regulatory Compliance, RegTech, InsurTech

Upgrading technology but downgrading humanity

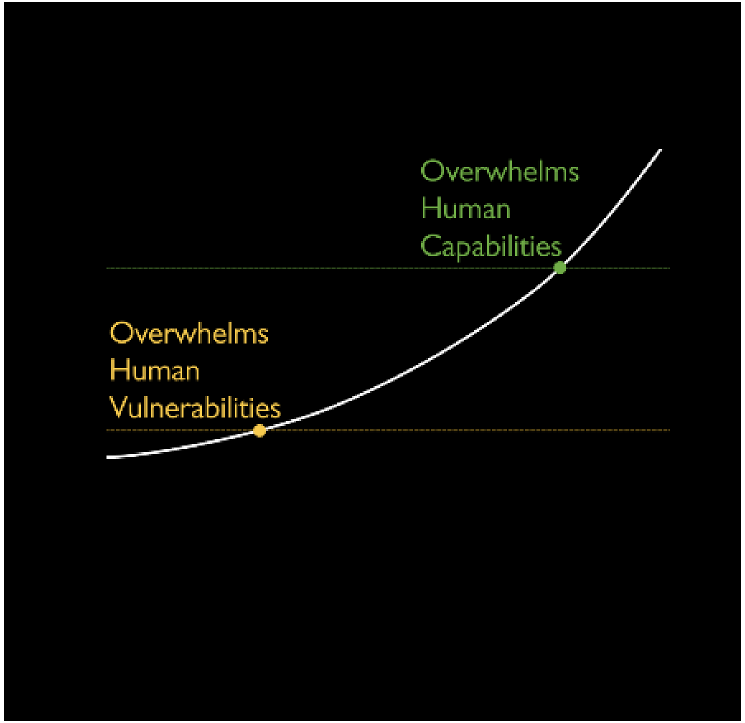
While we've been upgrading our technology
we've been ***downgrading humanity***.

TECHNOLOGY
HUMANITY

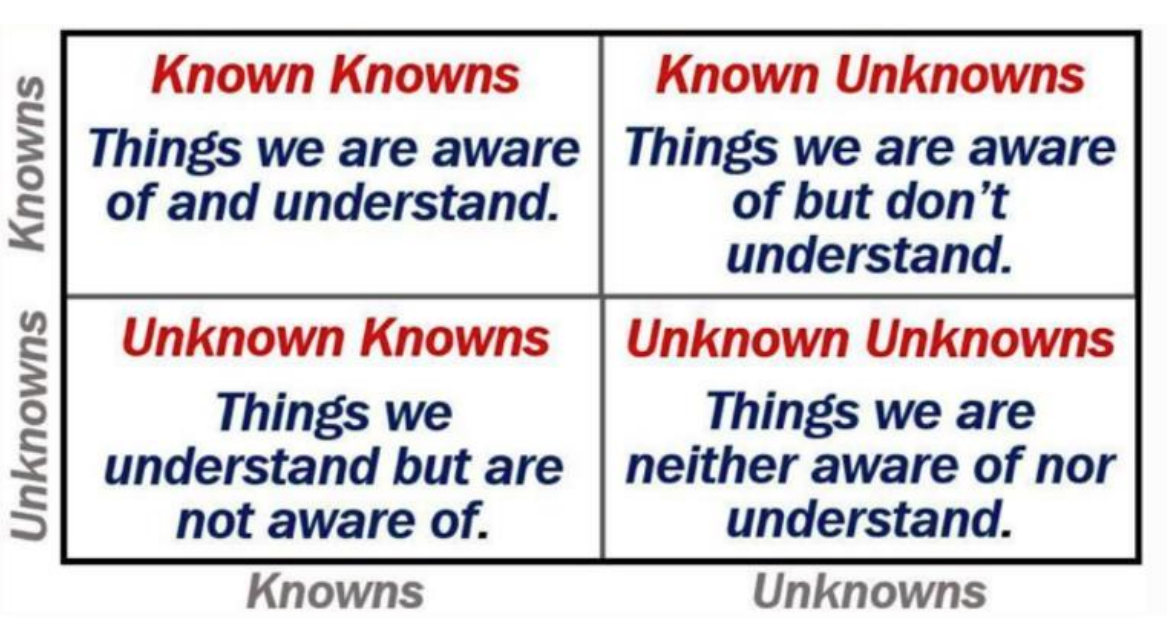
Human Vulnerabilities vs. Human Capabilities

Most recent conversations about the future focus on the point where technology surpasses human capability…

But they overlook a much earlier point where technology exceeds human vulnerabilities.


Overwhelms Human Capabilities
Overwhelms Human Vulnerabilities

Knowns vs. Unknowns



Knowns	Known Knowns Things we are aware of and understand.	Known Unknowns Things we are aware of but don’t understand.
Unknowns	Unknown Knowns Things we understand but are not aware of.	Unknown Unknowns Things we are neither aware of nor understand.
	Knowns	Unknowns

Cyberspace as a FIFTH DOMAIN

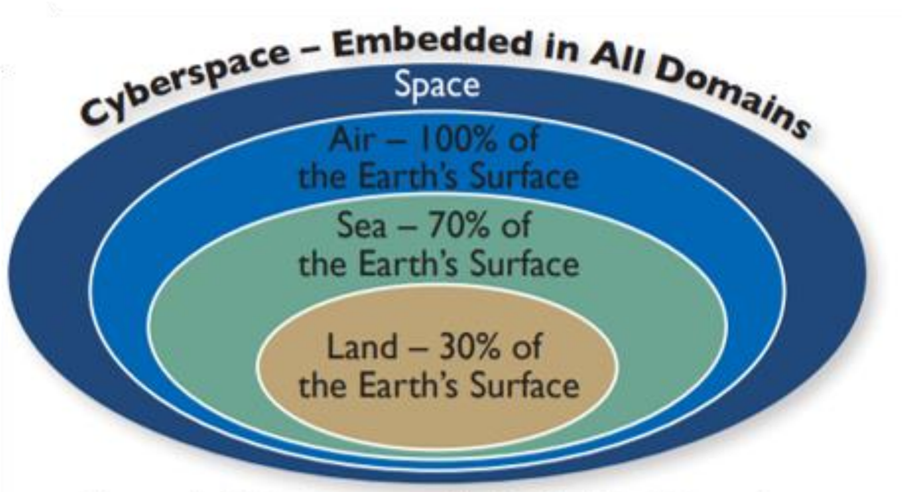

Cyberspace – Embedded in All Domains
Space
Air – 100% of the Earth's Surface
Sea – 70% of the Earth's Surface
Land – 30% of the Earth's Surface

Figure 1. Cyberspace – the Embedded Domain

ประเทศไทย..กำลังเผชิญภัยคุกคามทางไซเบอร์

ความท้าทายที่เรามองเห็น

ความท้าทายยิ่งใหญ่ที่มองไม่เห็น
และเรากำลังเผชิญอยู่อย่างไม่รู้ตัว

DDOS
DDOS
DDOS
DDOS
LIVE
FAKE NEWS

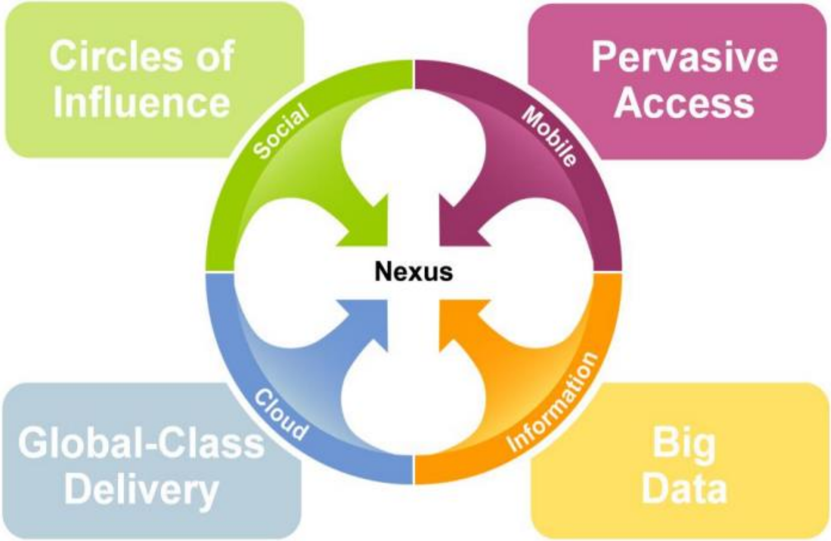
IT Trend and challenging to business

IT

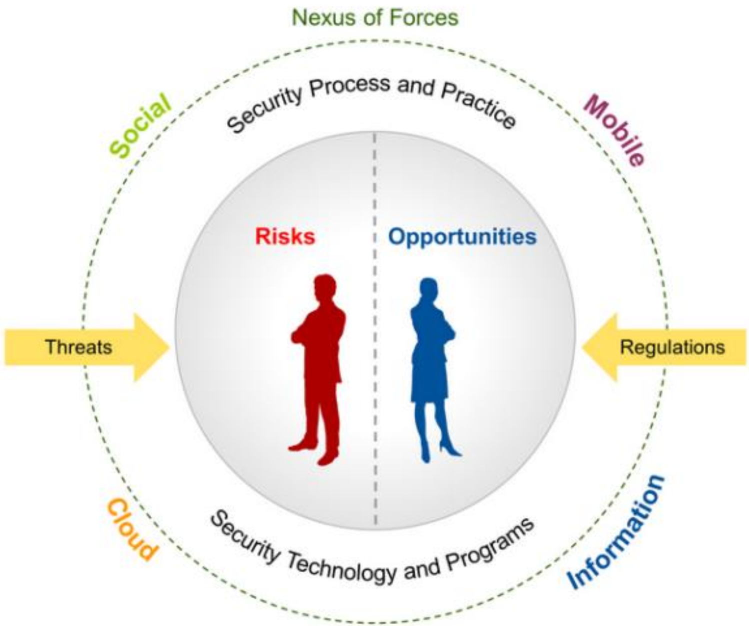
vs.

I & T

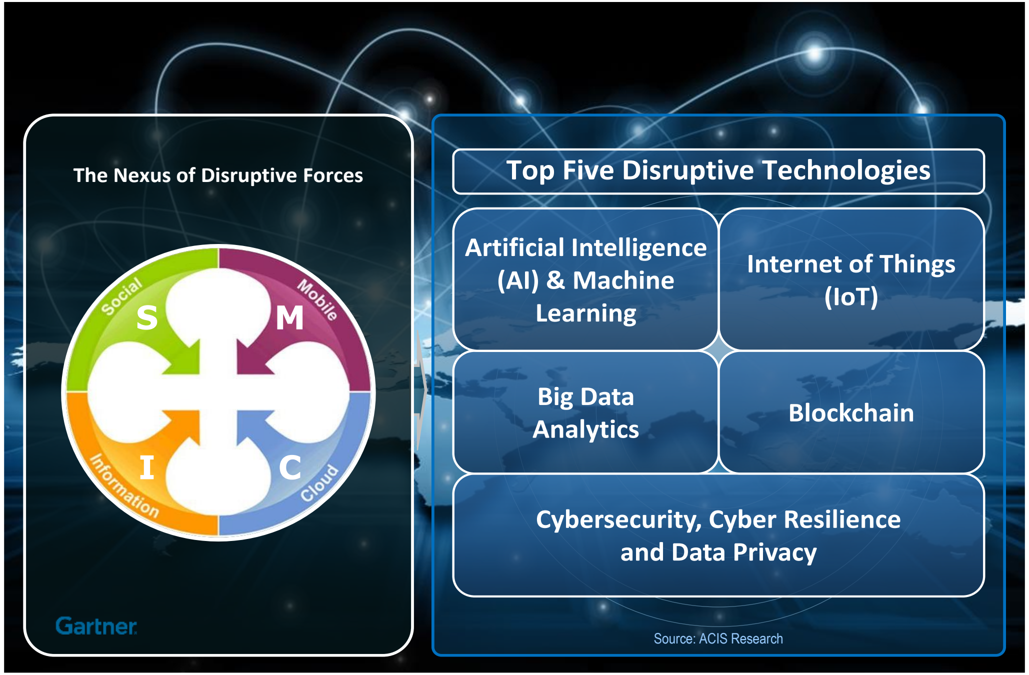
The Four IT Mega Trends : S-M-C-I Era



S-M-C-I : Risk or Opportunity?



Disruptive Technologies for Value Economy



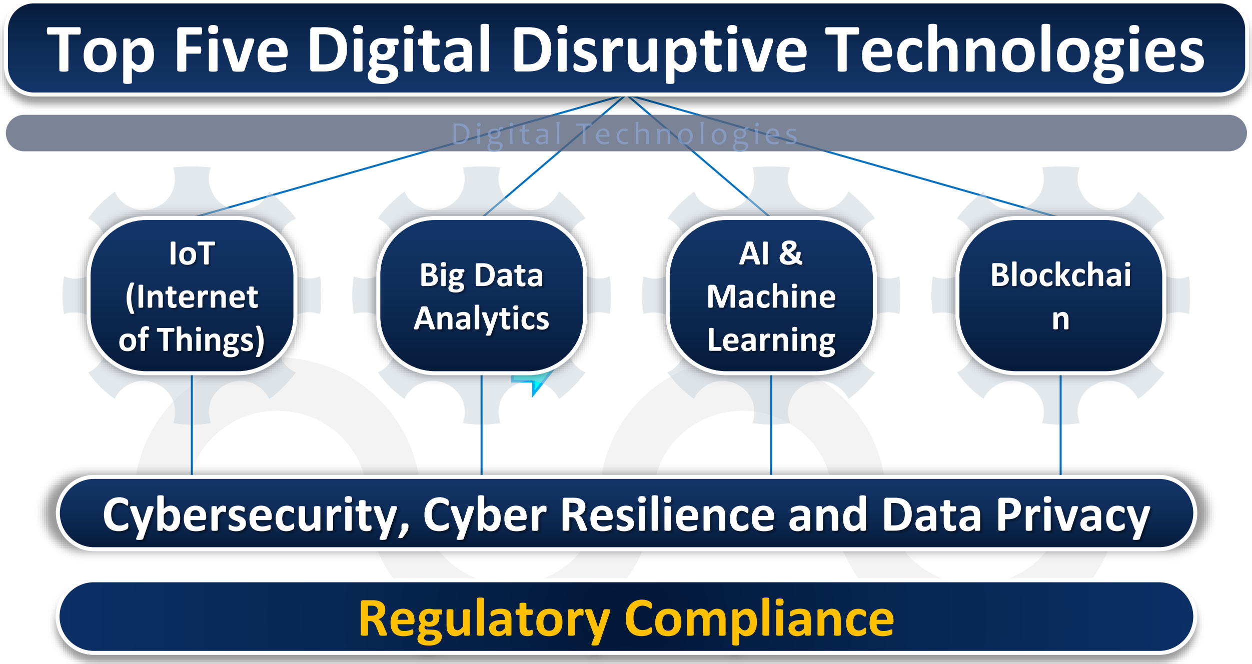
The Nexus of Disruptive Forces

Top Five Disruptive Technologies

- Artificial Intelligence (AI) & Machine Learning
- Internet of Things (IoT)
- Big Data Analytics
- Blockchain
- Cybersecurity, Cyber Resilience and Data Privacy

Source: ACIS Research

Disruptive Technologies for Value Economy



Top Five Digital Disruptive Technologies

IoT (Internet of Things)

Big Data Analytics

AI & Machine Learning

Blockchai n

Cybersecurity, Cyber Resilience and Data Privacy

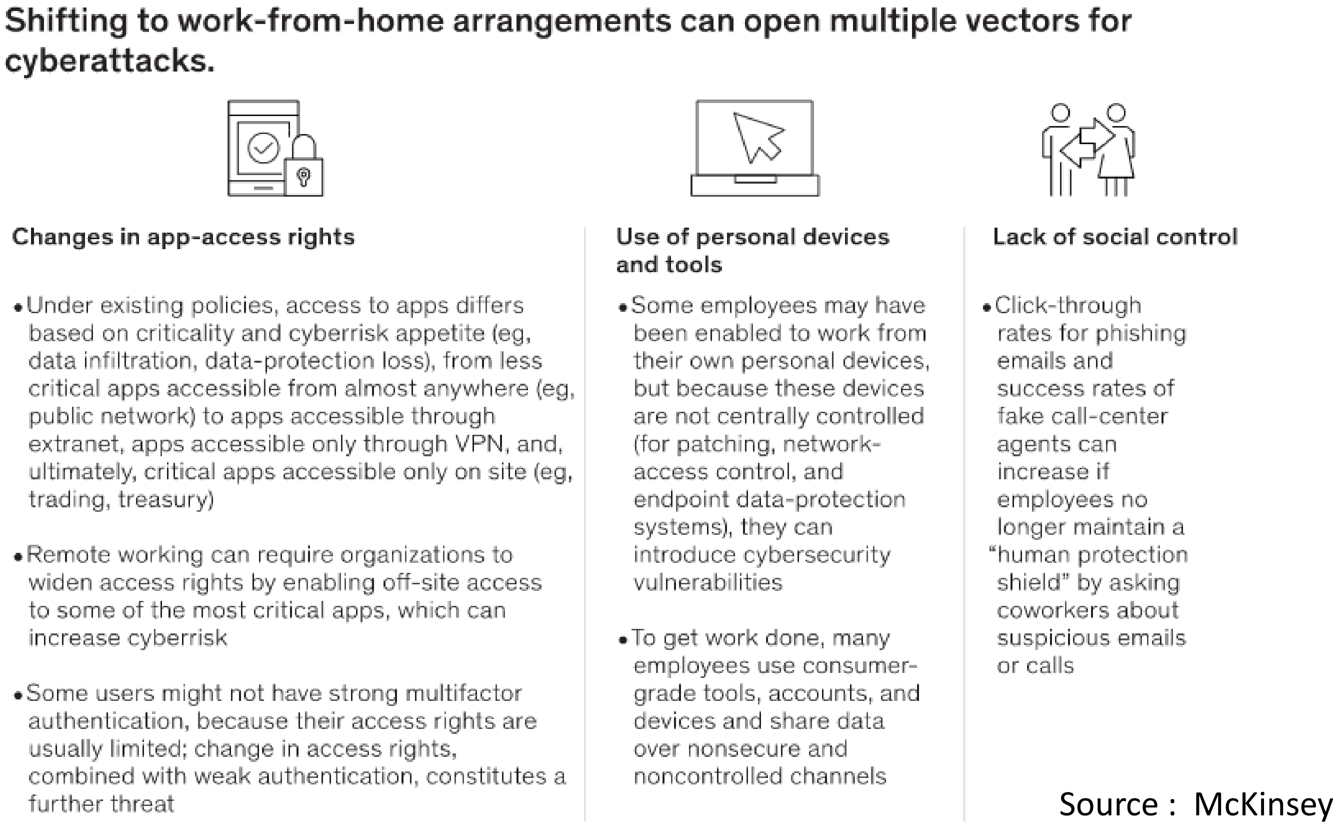
Regulatory Compliance

COVID-19 crisis shifts cybersecurity priorities and budgets

July 21, 2020 | Article

Cybersecurity technology and service providers are shifting priorities to support current needs: business continuity, remote work, and planning for transition to the next normal.

Source : McKinsey & Company



Shifting to work-from-home arrangements can open multiple vectors for cyberattacks.

Changes in app-access rights

- Under existing policies, access to apps differs based on criticality and cyberrisk appetite (eg, data infiltration, data-protection loss), from less critical apps accessible from almost anywhere (eg, public network) to apps accessible through extranet, apps accessible only through VPN, and, ultimately, critical apps accessible only on site (eg, trading, treasury)
- Remote working can require organizations to widen access rights by enabling off-site access to some of the most critical apps, which can increase cyberrisk
- Some users might not have strong multifactor authentication, because their access rights are usually limited; change in access rights, combined with weak authentication, constitutes a further threat

Use of personal devices and tools

- Some employees may have been enabled to work from their own personal devices, but because these devices are not centrally controlled (for patching, network-access control, and endpoint data-protection systems), they can introduce cybersecurity vulnerabilities
- To get work done, many employees use consumer-grade tools, accounts, and devices and share data over nonsecure and noncontrolled channels

Lack of social control

- Click-through rates for phishing emails and success rates of fake call-center agents can increase if employees no longer maintain a “human protection shield” by asking coworkers about suspicious emails or calls

Source : McKinsey & Company

A dual cybersecurity mindset for the next normal

July 7, 2020 | Article

As companies extend commitments to remote workforces, cybersecurity teams need to address new risks while helping create business value in the next normal.

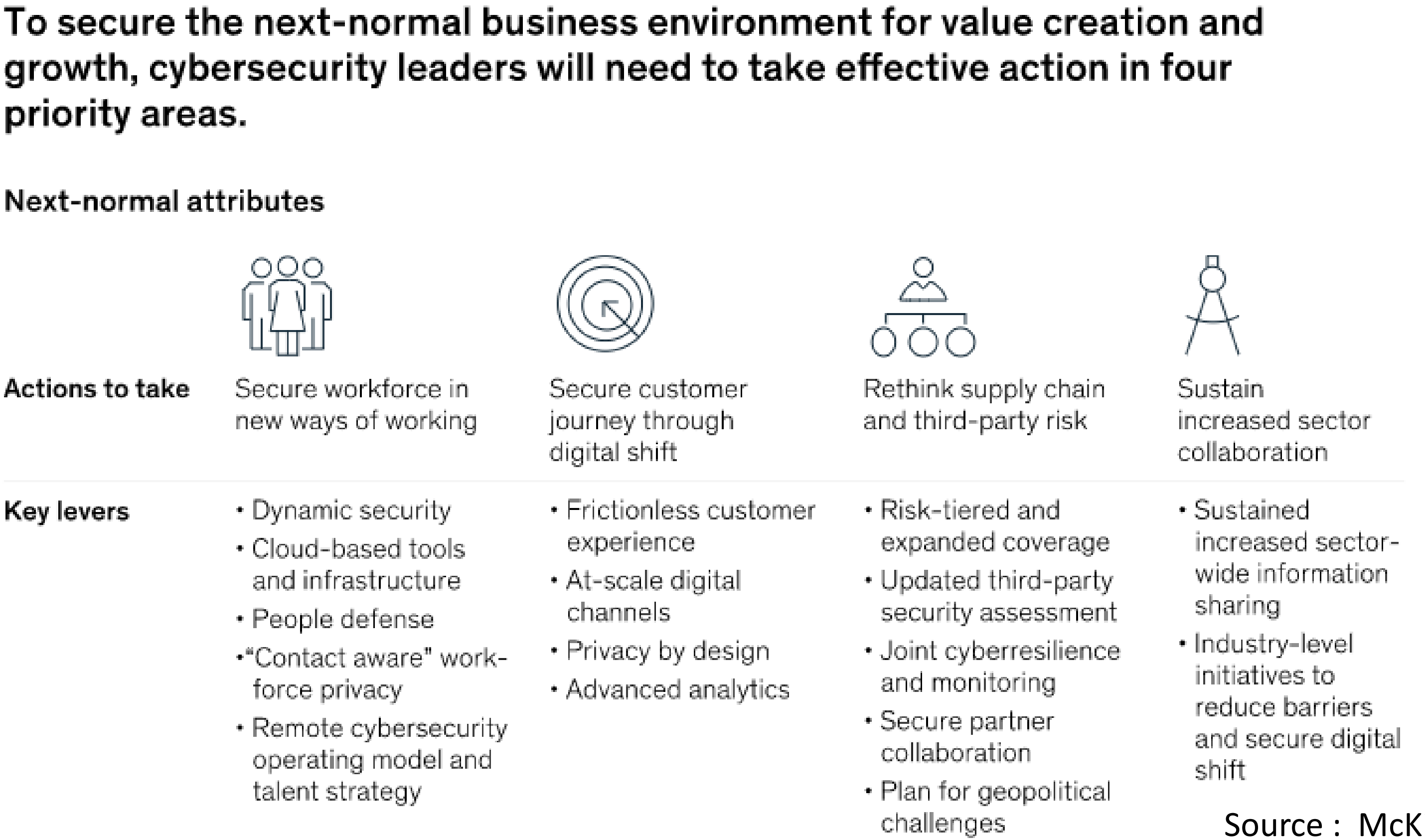
Source : McKinsey & Company

Cybersecurity's dual mission during the coronavirus crisis

March 25, 2020 | Article

Chief information-security officers must balance two priorities to respond to the pandemic: protecting against new cyberthreats and maintaining business continuity. Four strategic principles can help.

Source : McKinsey & Company



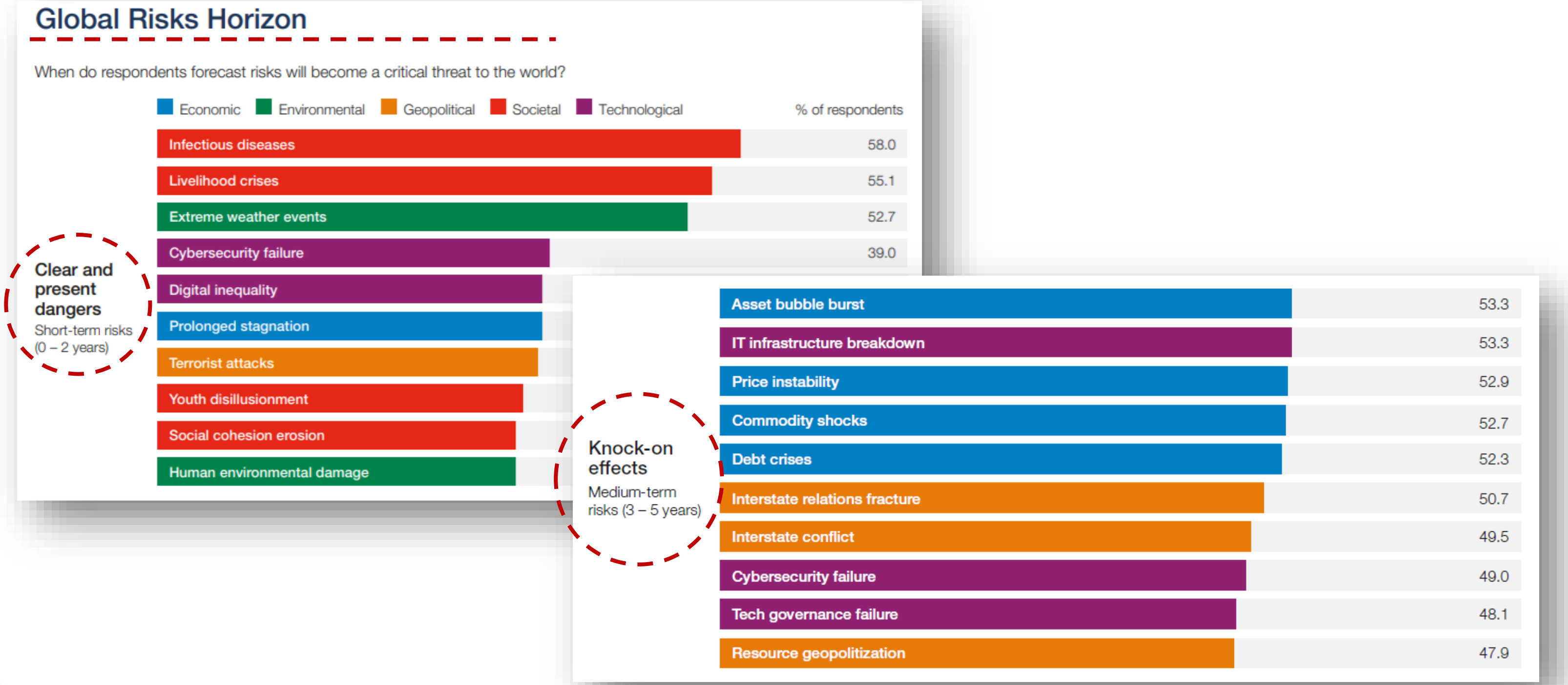
To secure the next-normal business environment for value creation and growth, cybersecurity leaders will need to take effective action in four priority areas.

Next-normal attributes

Actions to take	Secure workforce in new ways of working	Secure customer journey through digital shift	Rethink supply chain and third-party risk	Sustain increased sector collaboration
Key levers	• Dynamic security • Cloud-based tools and infrastructure • People defense •“Contact aware" work-force privacy • Remote cybersecurity operating model and talent strategy	• Frictionless customer experience • At-scale digital channels • Privacy by design • Advanced analytics	• Risk-tiered and expanded coverage • Updated third-party security assessment • Joint cyberresilience and monitoring • Secure partner collaboration • Plan for geopolitical challenges	• Sustained increased sector-wide information sharing • Industry-level initiatives to reduce barriers and secure digital shift

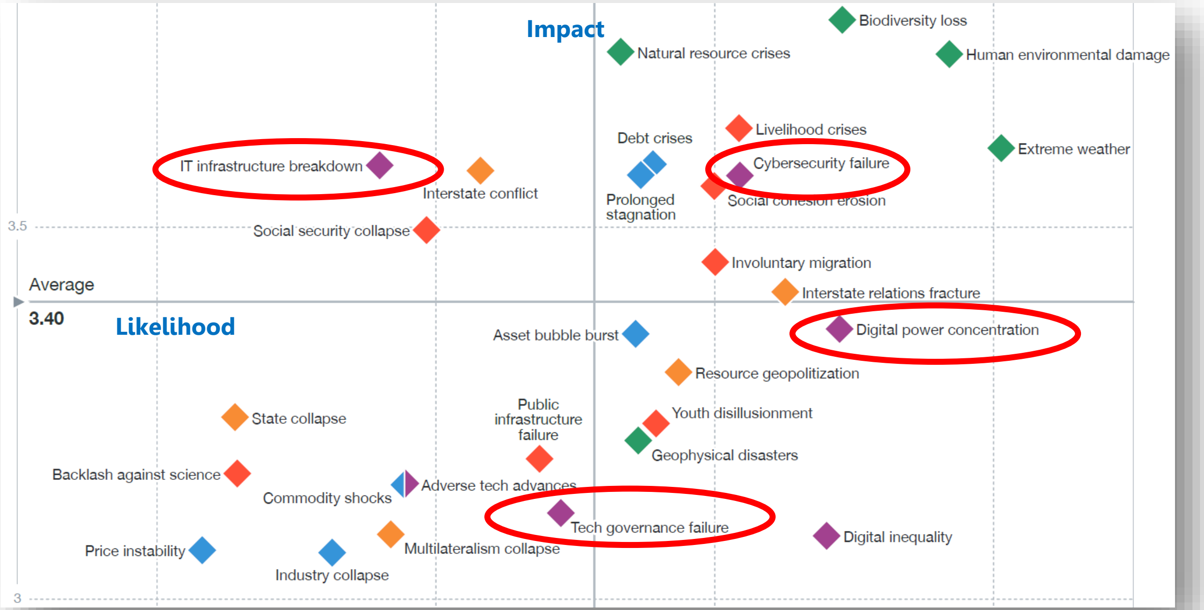
Source : McKinsey & Company

Word Economic Forum | Global Risks Report



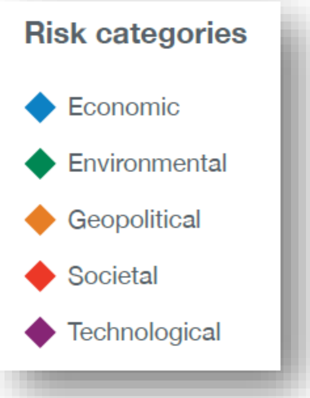
Global Risks Landscape

How do the respondents perceive the impact ↑ and likelihood → of global risks?



Source: WEF_The Global Risks Report 2021 16th Edition

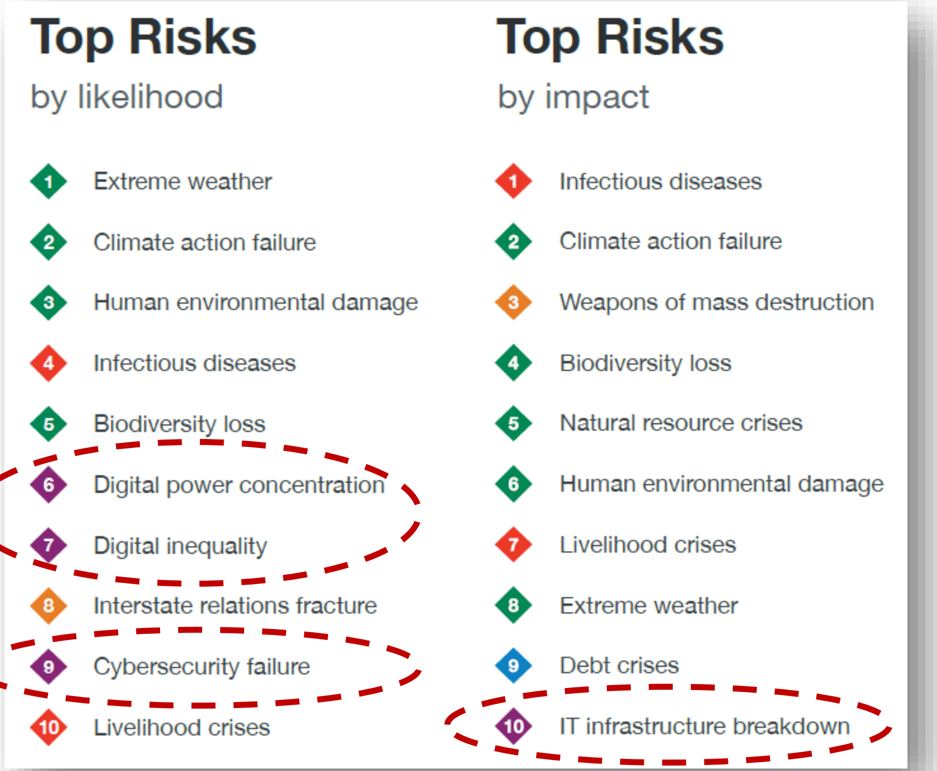
Global Risks Landscape



Risk categories

- 🟦 Economic
- 🟩 Environmental
- 🟧 Geopolitical
- 🟥 Societal
- 🟪 Technological

Source: WEF_The Global Risks Report 2021 16th Edition



Top Risks

by likelihood

- 🟩 1 Extreme weather
- 🟩 2 Climate action failure
- 🟩 3 Human environmental damage
- 🟥 4 Infectious diseases
- 🟩 5 Biodiversity loss
- 🟪 6 Digital power concentration
- 🟪 7 Digital inequality
- 🟧 8 Interstate relations fracture
- 🟪 9 Cybersecurity failure
- 🟥 10 Livelihood crises

Top Risks

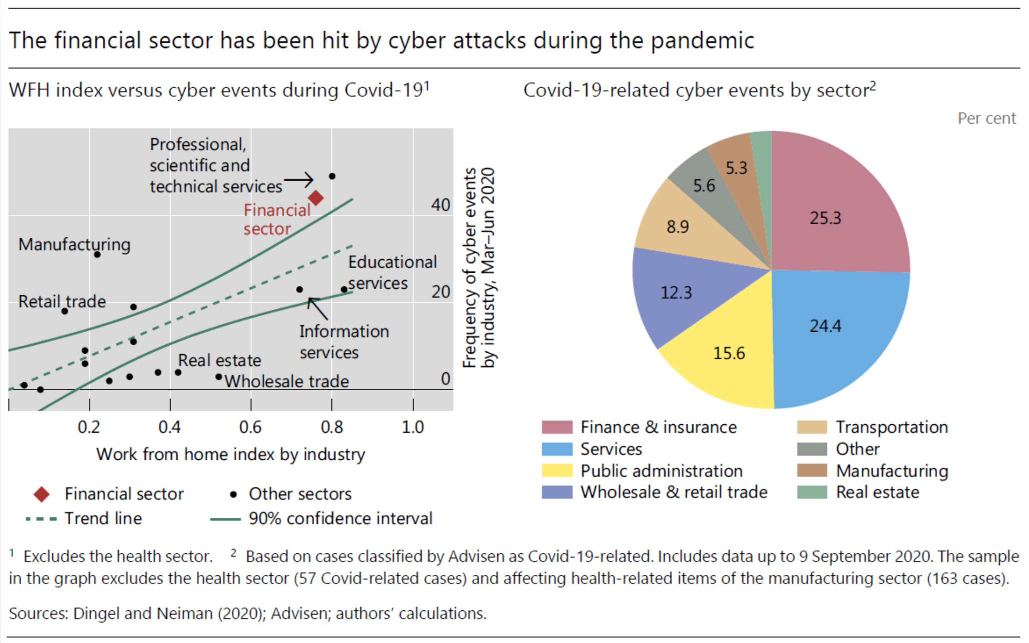
by impact

- 🟥 1 Infectious diseases
- 🟩 2 Climate action failure
- 🟧 3 Weapons of mass destruction
- 🟩 4 Biodiversity loss
- 🟩 5 Natural resource crises
- 🟩 6 Human environmental damage
- 🟥 7 Livelihood crises
- 🟩 8 Extreme weather
- 🟦 9 Debt crises
- 🟪 10 IT infrastructure breakdown

Covid-19

Remote working and Changes in the cyber threat landscape

Mass migration to WFH can make financial institutions' staff more vulnerable



The financial sector has been hit by cyber attacks during the pandemic

[1] Excludes the health sector. [2] Based on cases classified by Advisen as Covid-19-related. Includes data up to 9 September 2020. The sample in the graph excludes the health sector (57 Covid-related cases) and affecting health-related items of the manufacturing sector (163 cases).

Sources: Dingel and Neiman (2020); Advisen; authors' calculations.

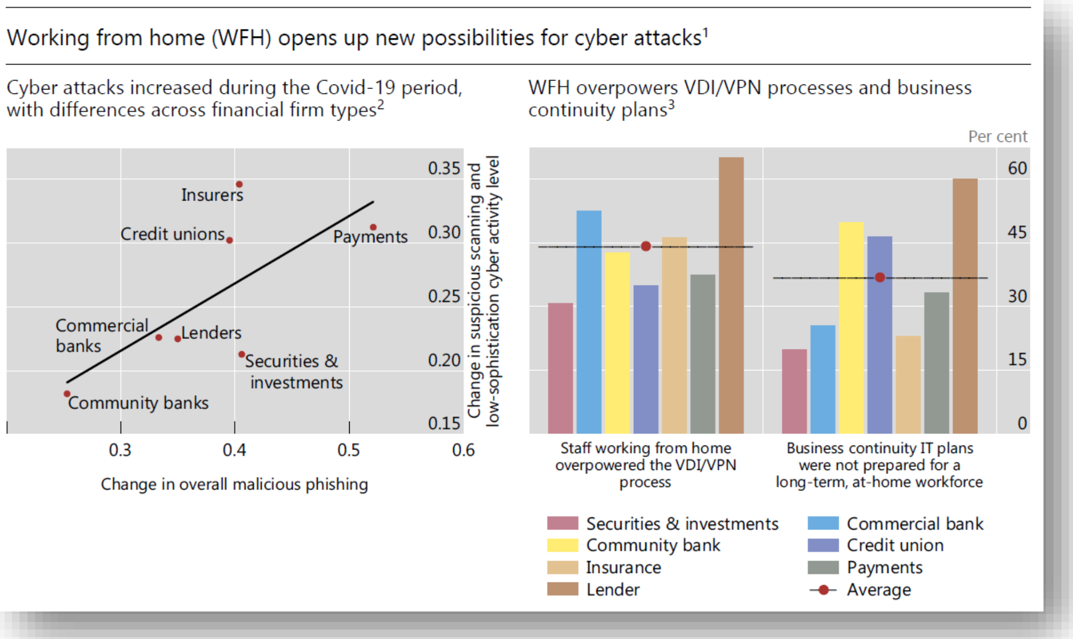
BIS Bulletin No 37: Covid-19 and cyber risk in the financial sector
https://www.bis.org/publ/bisbull37.pdf

Covid-19

Remote working and Changes in the cyber threat landscape

Policies to reduce risks to financial stability

Policymakers and businesses are actively working together to mitigate cyber risks and their systemic implications



Working from home (WFH) opens up new possibilities for cyber attacks[1]

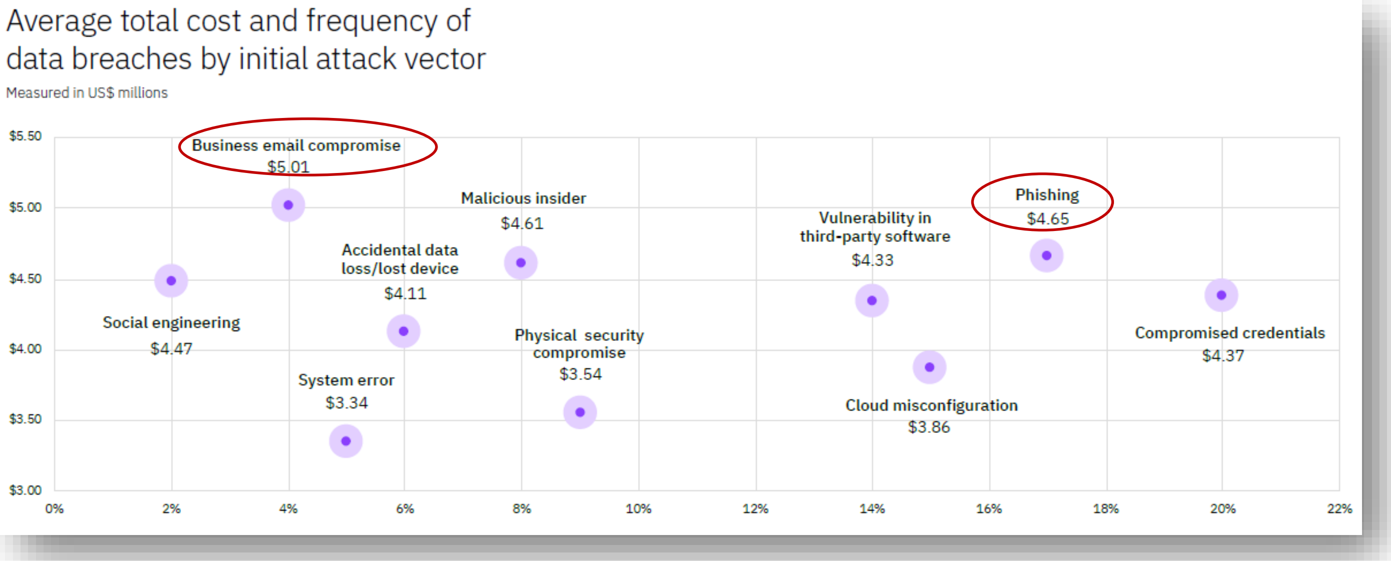
Cyber attacks increased during the Covid-19 period, with differences across financial firm types[2]

WFH overpowers VDI/VPN processes and business continuity plans[3]

BIS Bulletin No 37: Covid-19 and cyber risk in the financial sector
https://www.bis.org/publ/bisbull37.pdf

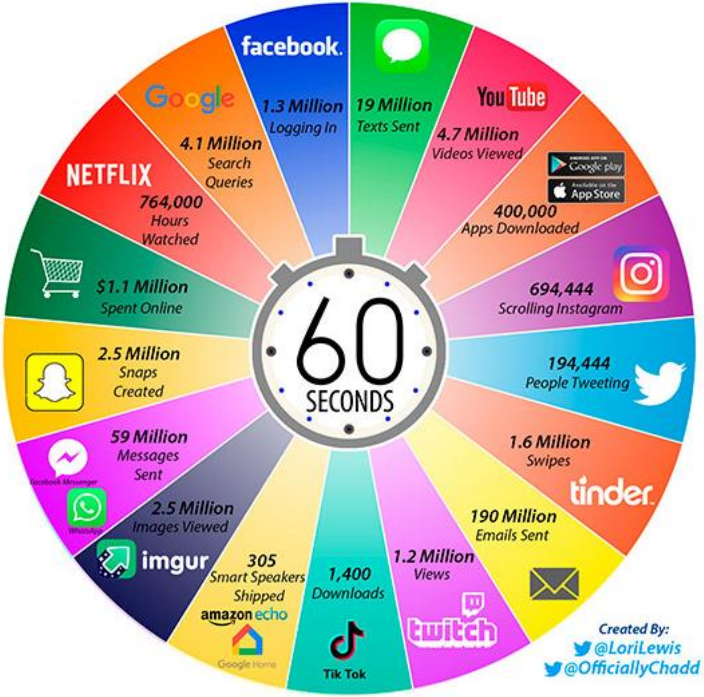
The data breach lifecycle took a week longer

In 2021 it took an average of 212 days to identify a breach and an average 75 days to contain a breach, for a total lifecycle of 287 days



IBM Security: Cost of Data Breach 2021 Report

2020 This Is What Happens In An Internet Minute



Created By:
@LoriLewis
@OfficiallyChadd

DIGITAL FOOTPRINTS

What do yours say?

BE CAREFUL ABOUT:

- What you share.
- Where you share.
- With whom you share.

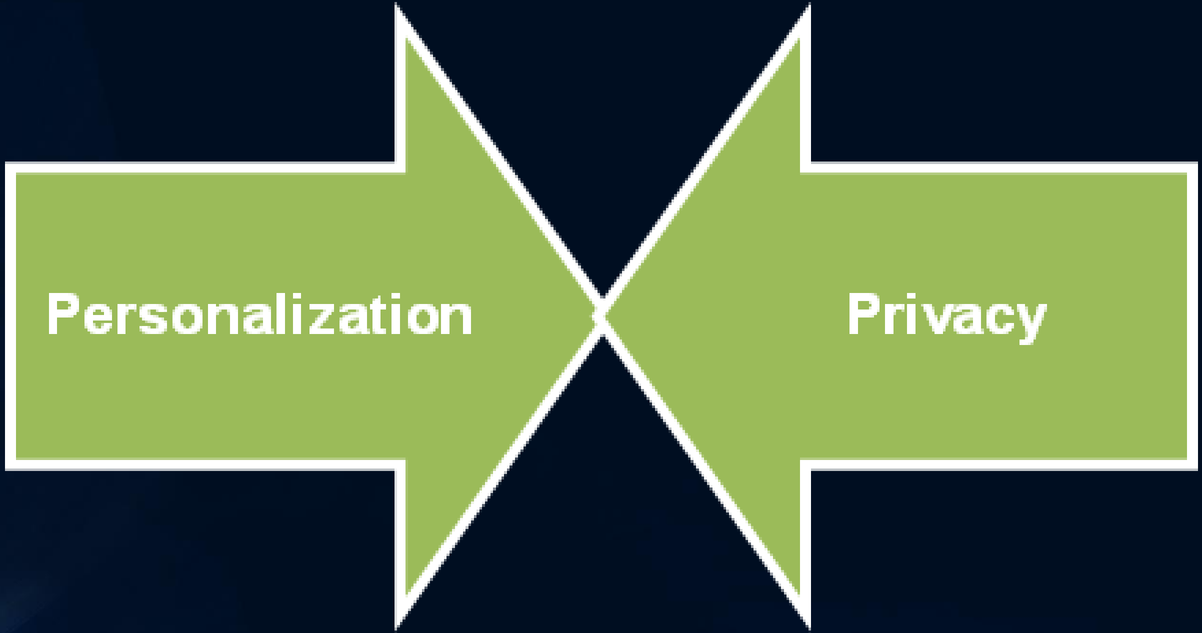
BE SMART ABOUT:

- Sites you visit.
- Emails you open.
- Links you click.

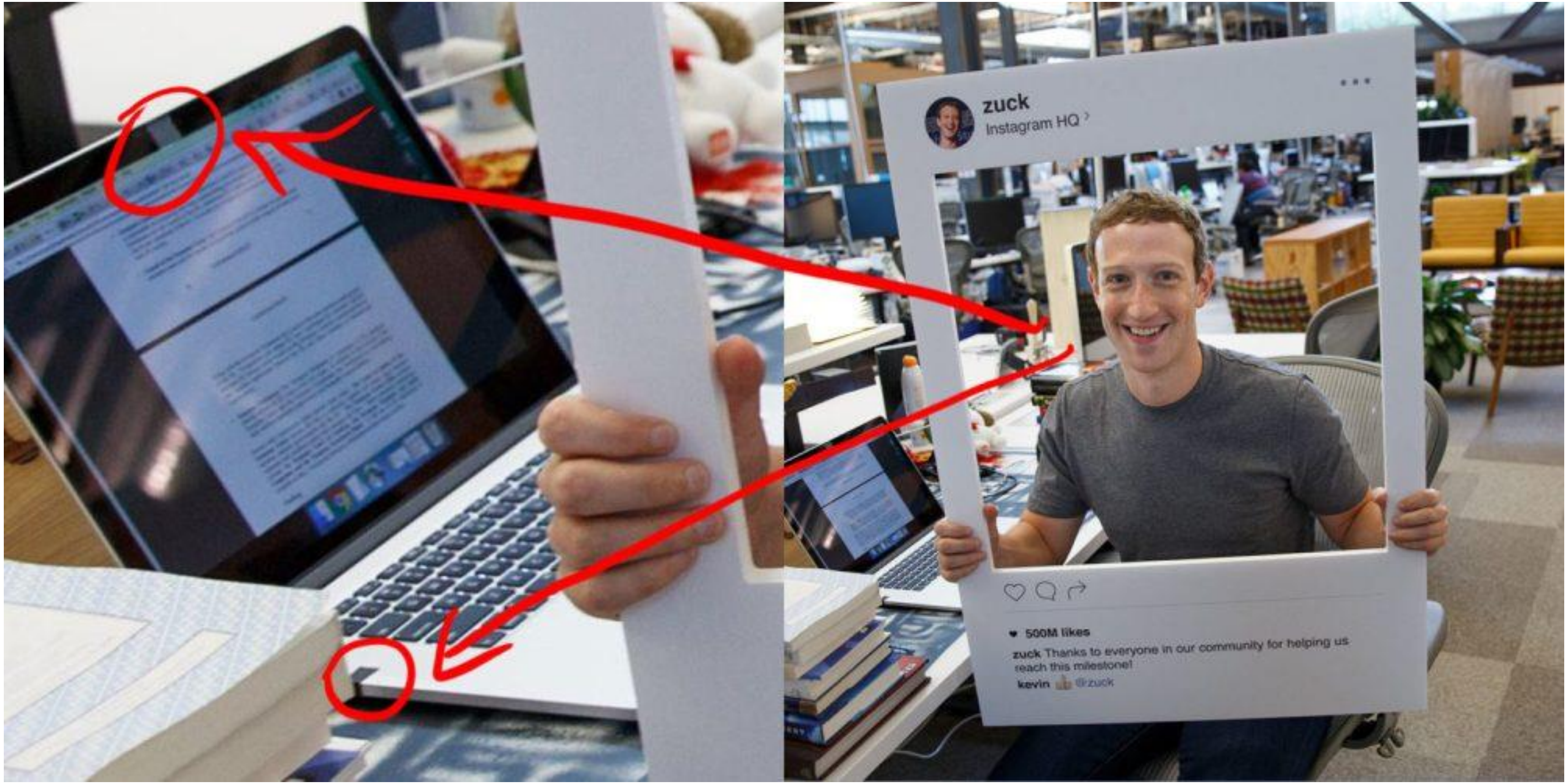
BE YOURSELF

but be your best self.

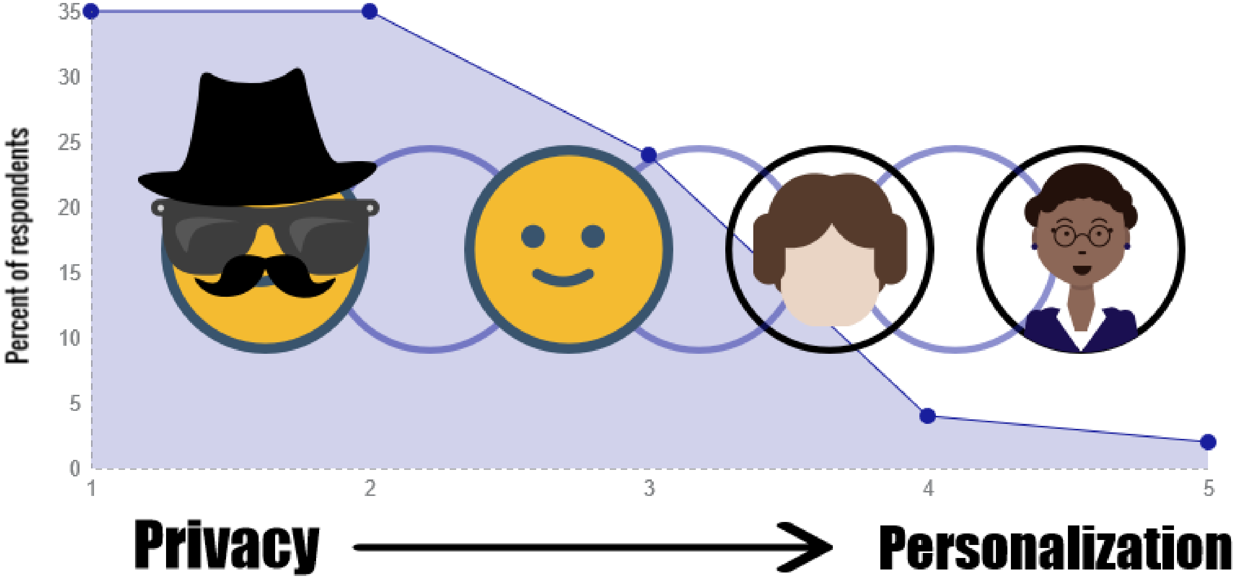
Personalized Marketing vs. Customer Privacy



Mark Zuckerberg @ Facebook HQ


zuck
Instagram HQ
500M likes
zuck Thanks to everyone in our community for helping us reach this milestone!
kevin @zuck

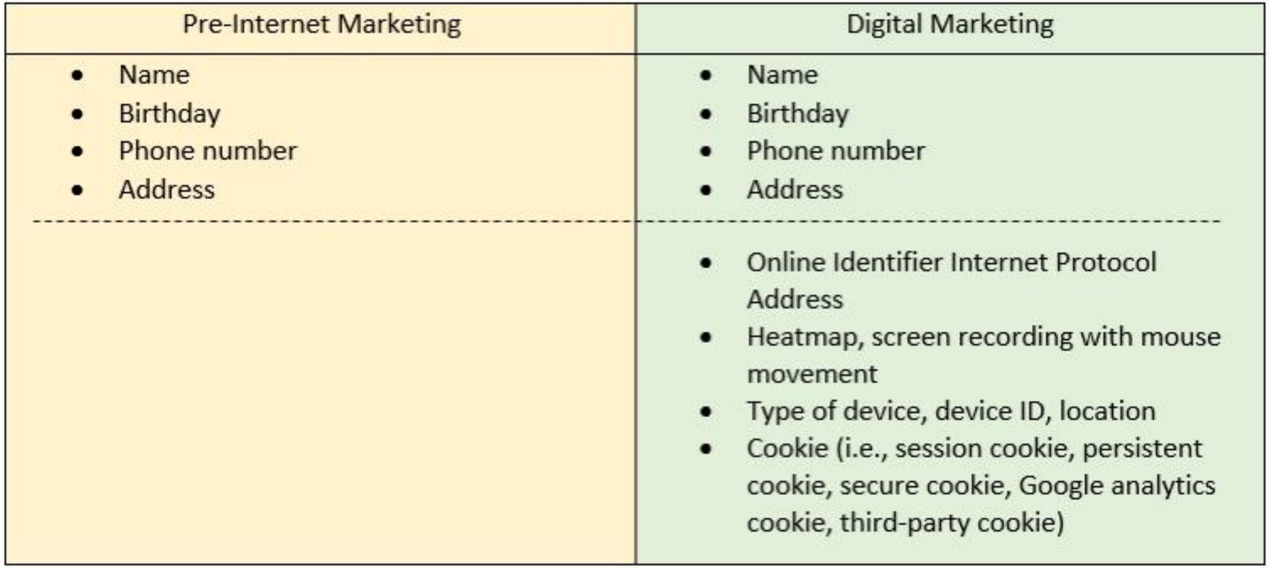
In terms of the services libraries provide, and given that two options are not always mutually exclusive, where would you fall on the spectrum of privacy vs. personalization?



(51 responses)

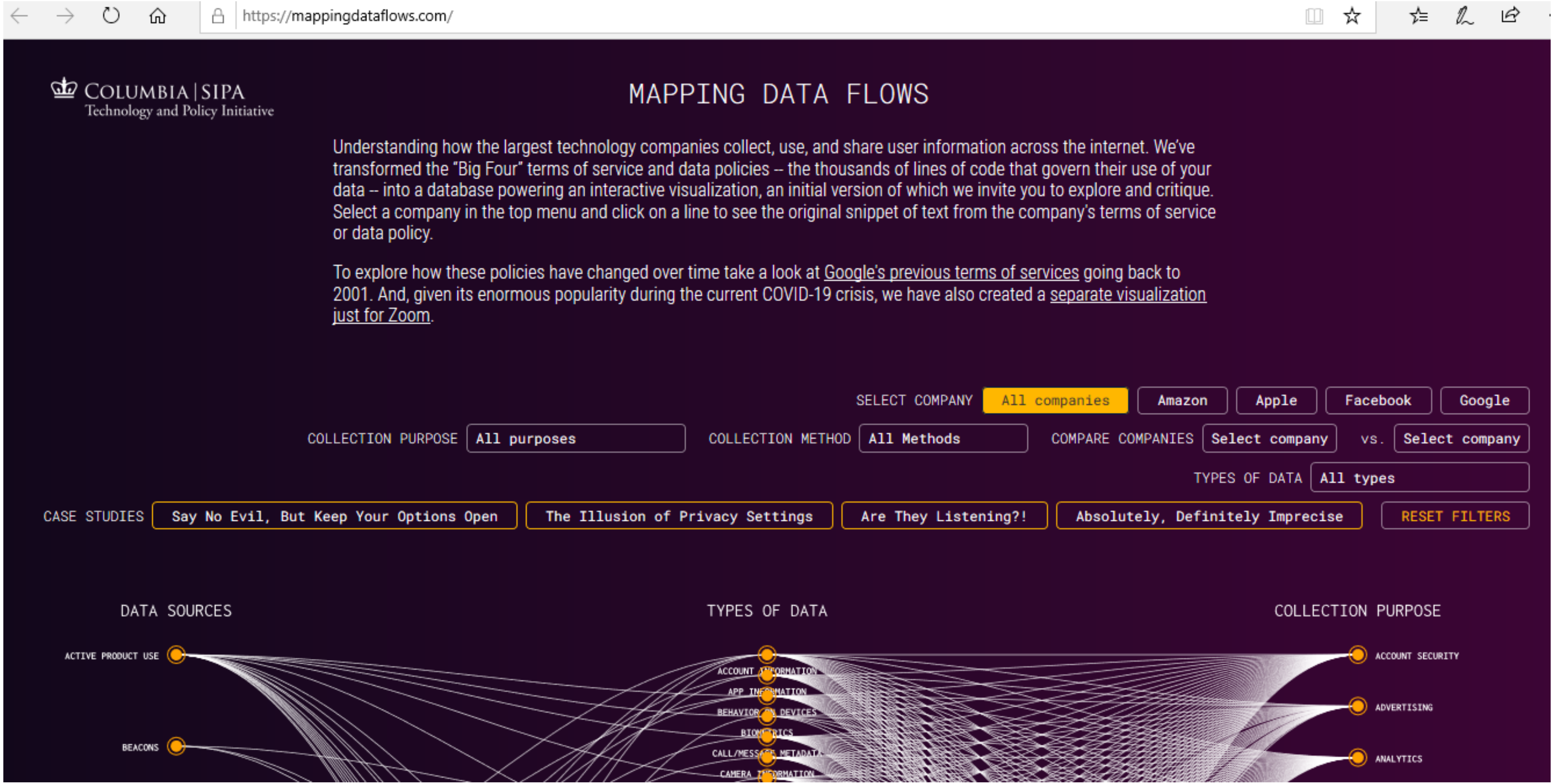
Credit https://news.minitex.umn.edu/news/2020-07/one-second-poll-results-privacy-vs-personalization

Pre-Internet Marketing vs. Digital Marketing



Pre-Internet Marketing	Digital Marketing
- Name - Birthday - Phone number - Address	- Name - Birthday - Phone number - Address
	- Online Identifier Internet Protocol Address - Heatmap, screen recording with mouse movement - Type of device, device ID, location - Cookie (i.e., session cookie, persistent cookie, secure cookie, Google analytics cookie, third-party cookie)

Credit : https://www.medium.com



https://mappingdataflows.com/

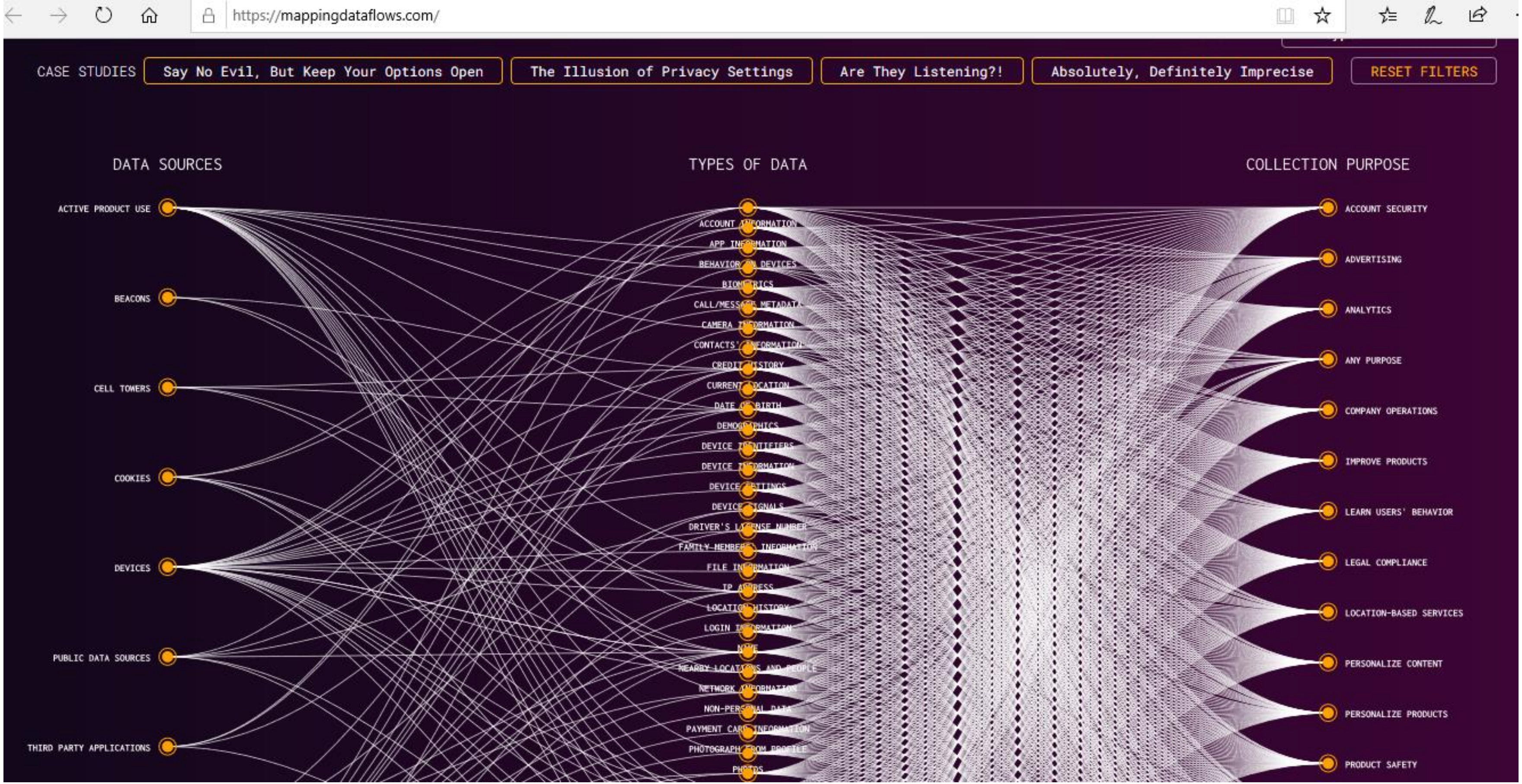
COLUMBIA | SIPA
Technology and Policy Initiative

MAPPING DATA FLOWS

Understanding how the largest technology companies collect, use, and share user information across the internet. We've transformed the "Big Four" terms of service and data policies -- the thousands of lines of code that govern their use of your data -- into a database powering an interactive visualization, an initial version of which we invite you to explore and critique. Select a company in the top menu and click on a line to see the original snippet of text from the company's terms of service or data policy.

To explore how these policies have changed over time take a look at Google's previous terms of services going back to 2001. And, given its enormous popularity during the current COVID-19 crisis, we have also created a separate visualization just for Zoom.

SELECT COMPANY: All companies
COLLECTION PURPOSE: All purposes
COLLECTION METHOD: All Methods
COMPARE COMPANIES: Select company vs. Select company
TYPES OF DATA: All types



https://mappingdataflows.com/
CASE STUDIES
Say No Evil, But Keep Your Options Open
The Illusion of Privacy Settings
Are They Listening?!
Absolutely, Definitely Imprecise
RESET FILTERS
DATA SOURCES
ACTIVE PRODUCT USE
BEACONS
CELL TOWERS
COOKIES
DEVICES
PUBLIC DATA SOURCES
THIRD PARTY APPLICATIONS
TYPES OF DATA
ACCOUNT INFORMATION
APP INFORMATION
BEHAVIOR ON DEVICES
BIOMETRICS
CALL/MESSAGE METADATA
CAMERA INFORMATION
CONTACTS' INFORMATION
CREDIT HISTORY
CURRENT LOCATION
DATE OF BIRTH
DEMOGRAPHICS
DEVICE IDENTIFIERS
DEVICE INFORMATION
DEVICE SETTINGS
DEVICE SIGNALS
DRIVER'S LICENSE NUMBER
FAMILY MEMBERS' INFORMATION
FILE INFORMATION
IP ADDRESS
LOCATION HISTORY
LOGIN INFORMATION
NAME
NEARBY LOCATIONS AND PEOPLE
NETWORK INFORMATION
NON-PERSONAL DATA
PAYMENT CARD INFORMATION
PHOTOGRAPH FROM PROFILE
PHOTOS
COLLECTION PURPOSE
ACCOUNT SECURITY
ADVERTISING
ANALYTICS
ANY PURPOSE
COMPANY OPERATIONS
IMPROVE PRODUCTS
LEARN USERS' BEHAVIOR
LEGAL COMPLIANCE
LOCATION-BASED SERVICES
PERSONALIZE CONTENT
PERSONALIZE PRODUCTS
PRODUCT SAFETY

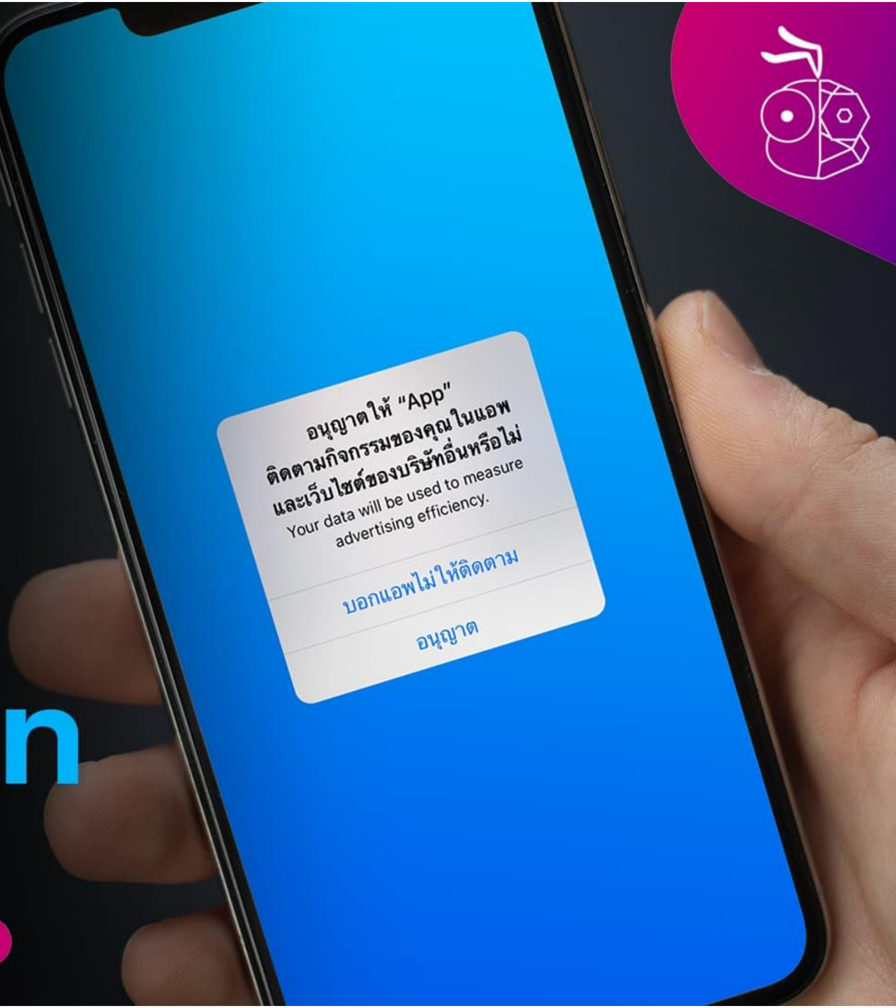
App Tracking Transparency

ทำ Meta (Facebook) Youtube Twitter Snapchat

สูญเสียรายได้กว่า

3.2 ล้านล้านบาท

ไตรมาส 3 - 4 (ปี 2021)



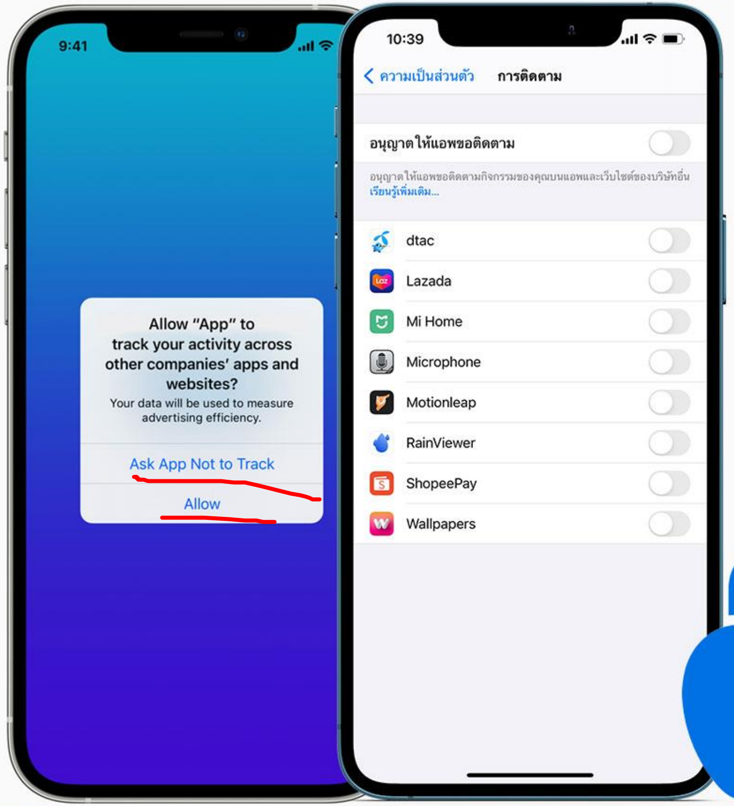
อนุญาตให้ "App" ติดตามกิจกรรมของคุณในแอพและเว็บไซต์ของบริษัทอื่นหรือไม่

Your data will be used to measure advertising efficiency.

iMoD

iOS 14.5

App Tracking Transparency คืออะไร ใช้ยังไง



9:41

Allow "App" to track your activity across other companies' apps and websites?

Your data will be used to measure advertising efficiency.

Ask App Not to Track

Allow

10:39

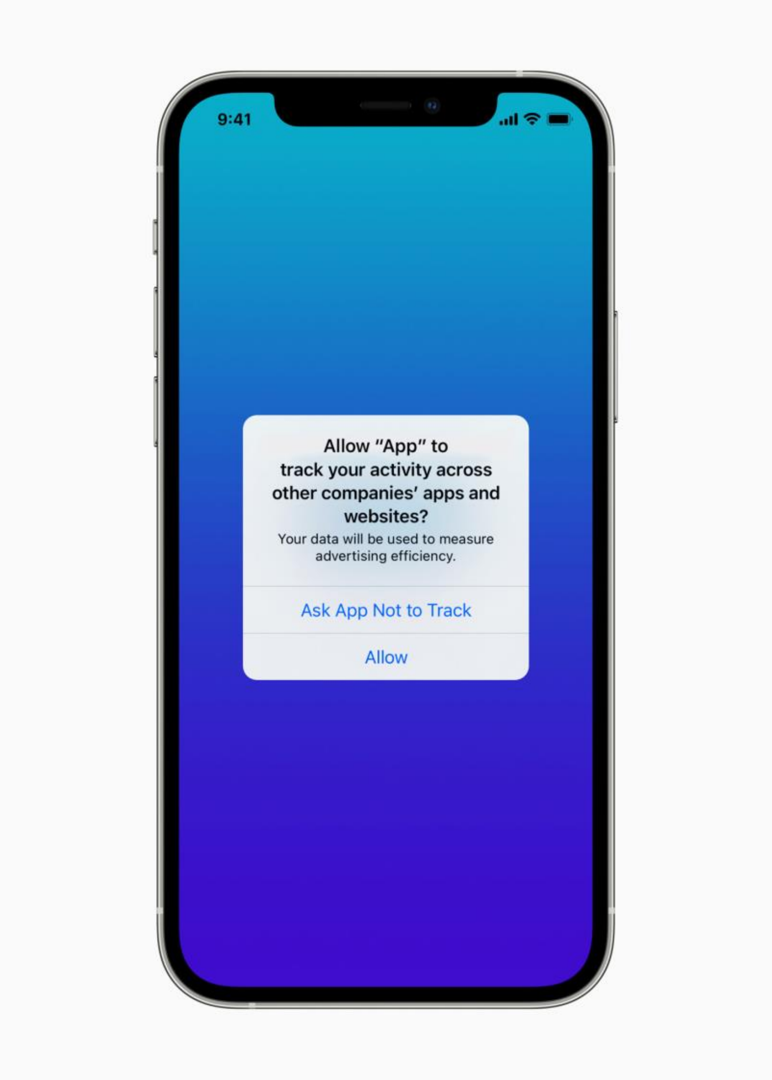
< ความเป็นส่วนตัว การติดตาม

อนุญาตให้แอพขอติดตาม ○

อนุญาตให้แอพขอติดตามกิจกรรมของคุณบนแอพและเว็บไซต์ของบริษัทอื่น เรียนรู้เพิ่มเติม...

dtac	○
Lazada	○
Mi Home	○
Microphone	○
Motionleap	○
RainViewer	○
ShopeePay	○
Wallpapers	○

iMoD



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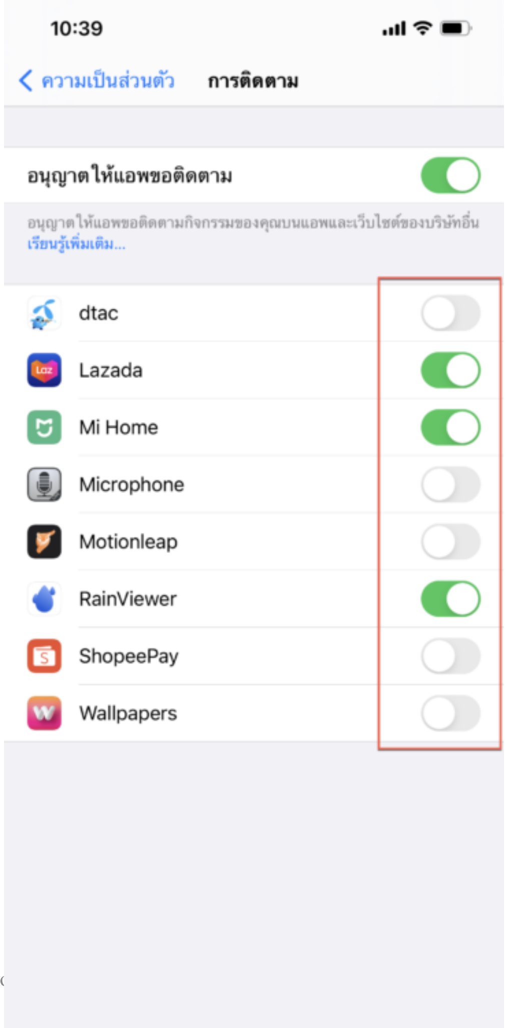
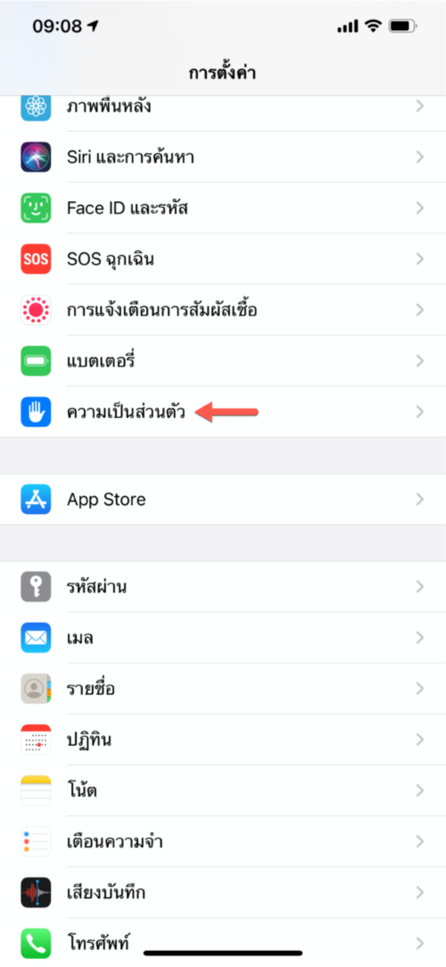


‹ ความเป็นส่วนตัว **การติดตาม**

อนุญาตให้แอพขอติดตาม ●

อนุญาตให้แอพขอติดตามกิจกรรมของคุณบนแอพและเว็บไซต์ของบริษัทอื่น
เรียนรู้เพิ่มเติม...

dtac	○
Lazada	●
Mi Home	●
Microphone	○
Motionleap	○
RainViewer	●
ShopeePay	○
Wallpapers	○



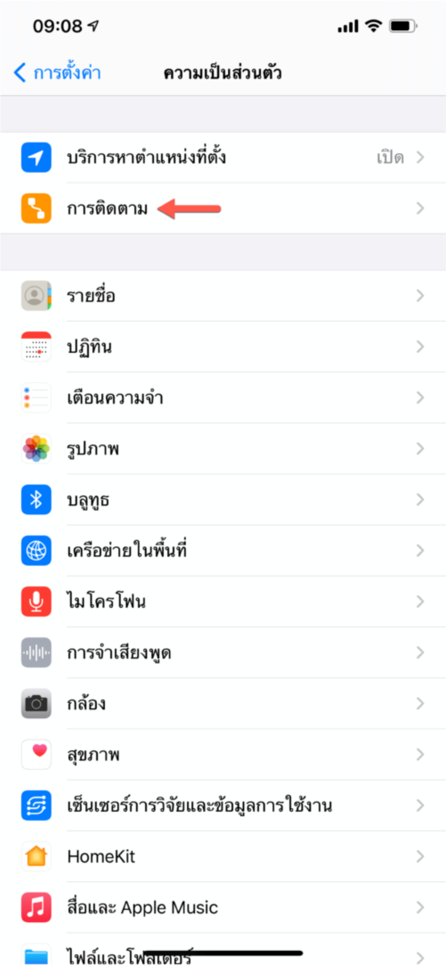
09:08

การตั้งค่า

- ภาพพื้นหลัง
- Siri และการค้นหา
- Face ID และรหัส
- SOS ฉุกเฉิน
- การแจ้งเตือนการสัมผัสเชื้อ
- แบตเตอรี่
- ความเป็นส่วนตัว

- App Store

- รหัสผ่าน
- เมล
- รายชื่อ
- ปฏิทิน
- โน้ต
- เตือนความจำ
- เสียงบันทึก
- โทรศัพท์

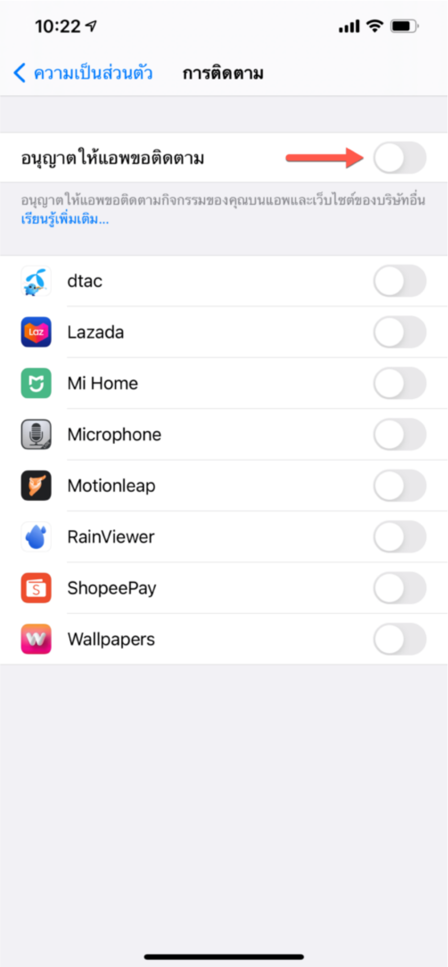


09:08

< การตั้งค่า ความเป็นส่วนตัว

- บริการหาตำแหน่งที่ตั้ง เปิด
- การติดตาม

- รายชื่อ
- ปฏิทิน
- เตือนความจำ
- รูปภาพ
- บลูทูธ
- เครือข่ายในพื้นที่
- ไมโครโฟน
- การจำเสียงพูด
- กล้อง
- สุขภาพ
- เซ็นเซอร์การวิจัยและข้อมูลการใช้งาน
- HomeKit
- สื่อและ Apple Music
- ไฟล์และโฟลเดอร์



10:22

< ความเป็นส่วนตัว การติดตาม

อนุญาตให้แอพขอติดตาม ○

อนุญาตให้แอพขอติดตามกิจกรรมของคุณบนแอพและเว็บไซต์ของบริษัทอื่น เรียนรู้เพิ่มเติม...

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- Lazada ○
- Mi Home ○
- Microphone ○
- Motionleap ○
- RainViewer ○
- ShopeePay ○
- Wallpapers ○

20th YEAR ANNIVERSARY CDIC2021

CDiC2021
THAILAND CYBERSECURITY DAY
The Great Restart
23-24-25 Nov, 2021

Entrusting Digital Provenance,
Digital Identity and Privacy Tech

Top Ten Cybersecurity & Privacy Threats & Trends 2020-2022

Prinya Hom-anek, CISSP

ACIS Professional Center / Cybertron

Top Ten Cybersecurity and Privacy Trends 2020

1. **Cyber Fraud with a Deepfake**
   (Cyber Fraud with the Deepfake and the Dark side of AI)
2. **Beyond Fake News**
   (It's a Real News based-on a True Story that intentionally attack someone/some organization)
3. **Cyber Sovereignty and National Security Issues in the Long Run**
   (That include rising in state sponsor attacks; Data Sovereignty: What's Next for Data Privacy)
4. **'Cyberattack and Data Breach' : A New Normal in Cybersecurity**
   (Cybersecurity Mindset of Top Managements need to be changed)
5. **Tighten in Cybersecurity and Data Protection Regulatory Compliance**
   (Focus on Cyber Resilience, Data Governance, Data Sovereignty when Value Preservation is crucial topic)

Source: ACIS / Cybertron Research LAB

Top Ten Cybersecurity and Privacy Trends 2020

6. **“Data Breaches” as Top Concerns for Business**
   (Zero Day Exploitation, Cloud Misconfigurations including Human Errors/Digital Footprint in the Clouds)
7. **Orchestration & Automation Boosting Security Staff Effectiveness**
   (From MSSP to MDR, Using AI and Automation to improve IR Capability)
8. **Increasing on Impact of State-Sponsored Cyberattacks**
   (Cyberattack on Critical Infrastructure for example Energy Grids are at risk)
9. **The Cybersecurity Skills Gap Crisis**
   (More CISOs Earning a Seat at the Table)
10. **5G Networks require New Approaches to Cybersecurity**
   (EU Report Highlights Cybersecurity Risks in 5G Networks: Securing the Transition to 5G)

Source: ACIS / Cybertron Research LAB

Top Ten Cybersecurity and Privacy Trends 2021

1. **Personalized Marketing vs. Data Privacy**
   (Unlocking the Privacy Paradox, Upgrading Technology but Downgrading Humanity)
2. **Soft Power from using half-truths in the Social Media Era**
   (From “Fake News” to “Infodemic” and “Disinfodemic”, Fact-Checking in a Superficiality Society)
3. **Rethinking the Future of Cyber Sovereignty and Data Sovereignty**
   (If it’s free online, you are the product, not the customer. The implications of filter bubbles in social media and the impact on the society)
4. **The Age of Data Governance/Information Governance/Data-Driven The Rise of Identity-Centric Security** (Back to the basic, Start from Data/Information Management)
5. **Built-in Security & Privacy in Agile Processes, ModelOps, MLOps and DevOps** (Security by design as with privacy by design, From Digital Transformation to AI transformation)

Source: ACIS-Cybertron Research LAB

Top Ten Cybersecurity and Privacy Trends 2021

6. **Enterprise Data Leaks and Cloud Breaches are the Next Normal**
   (Clouds Are Secure: Are You Using Them Securely?: IaaS, PaaS, SaaS, Cloud-as-a-Service, XaaS)

7. **The Return of Shadow IT/ The Rise of BEC (Business Email Compromise)**
   (CIO’s worst nightmare, It’s time to do “Cybersecurity Awareness Training and Cyber Drill for non-IT)

8. **GDPR/PDPA Compliance vs. Risk of Exposing Your Digital Footprint**
   (Social Media as an Attack Vectors for Cyber Threats/ Data Privacy Implosion)

9. **AI Inclusion and AI with Ethical Dilemmas**
   (Weaponized AI Propaganda Machine, When ML meets Privacy and How To Combat The Dark Side Of AI)

10. **Cyber Insurance becomes Mandatory for Enterprises/Companies**
    (Mandatory Cyber Insurance backed to improve Cyber Incident Response)

Source: ACIS-Cybertron Research LAB

Top Ten Cybersecurity & Privacy Threats & Trends 2022

Top Ten Cybersecurity & Privacy Threats and Trends 2022

1. Digital Inequality and Cyber Vaccination
2. Supply Chain Cyber Attacks and CMMC (Cybersecurity Maturity Model Certification)
3. Work From Home/Remote working Challenge and Zero Trust Architecture Implementation Issues
4. Rising of the Next Generation Triple Extortion Ransomware
5. Identity is the New Perimeter , The need to prevent Identity Theft/Sensitive Data Exposure

Source: ACIS-Cybertron Research LAB

Top Ten Cybersecurity & Privacy Threats and Trends 2022

6. Cybersecurity , Data Privacy and Data Protection are Not Just a Technical Problems

7. Cyber Insurance Challenges :
   Myths, Misconceptions and Terminations

8. Living in Post COVID-Era : "Data Resiliency" is a MUST-Have
   From a VUCA world to a BANI world , Are We Secured to Are We Ready?

9. High Demand of Data Breach Coach
   and Proactive Incident Response

10. The Important of Strong Cybersecurity Culture
    and Top Management Leadership in Cybersecurity Execution

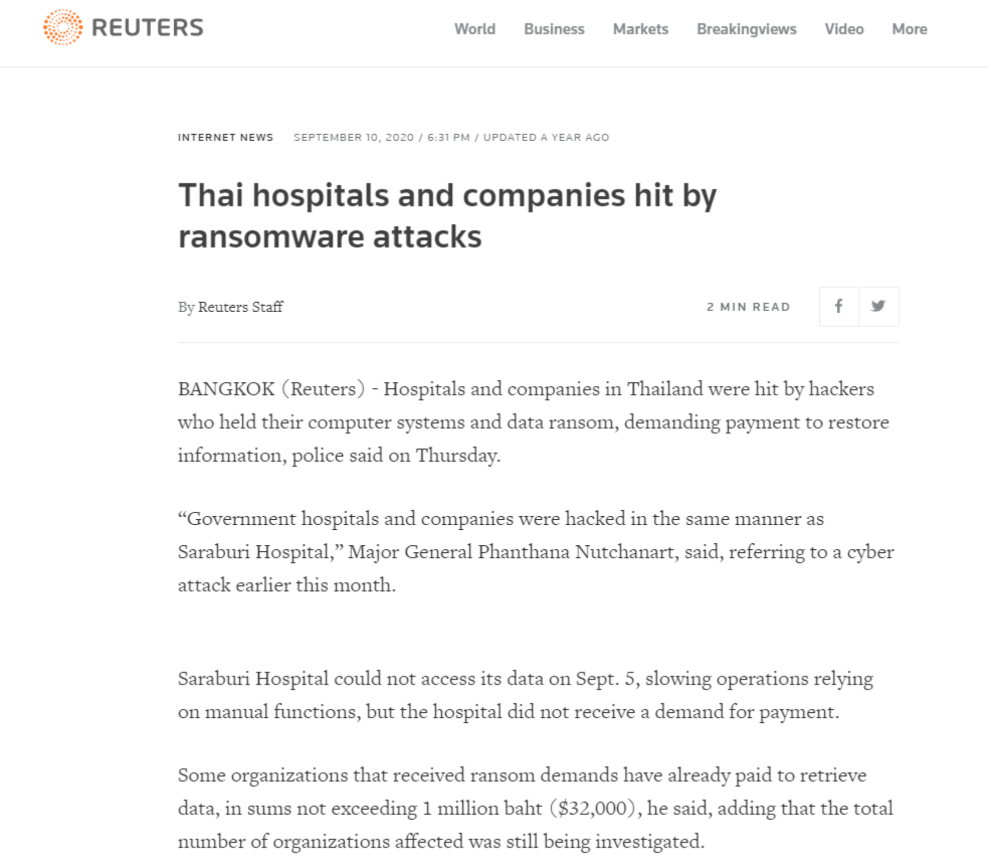
Source: ACIS-Cybertron Research LAB

UPCOMING TRENDS OF CYBER ATTACK

“TRIPLE EXTORTION RANSOMWARE”

Credit : https://sensorstechforum.com/

The Return of Ransomware and their TRIPLE attacks



INTERNET NEWS SEPTEMBER 10, 2020 / 6:31 PM / UPDATED A YEAR AGO

Thai hospitals and companies hit by ransomware attacks

By Reuters Staff

2 MIN READ

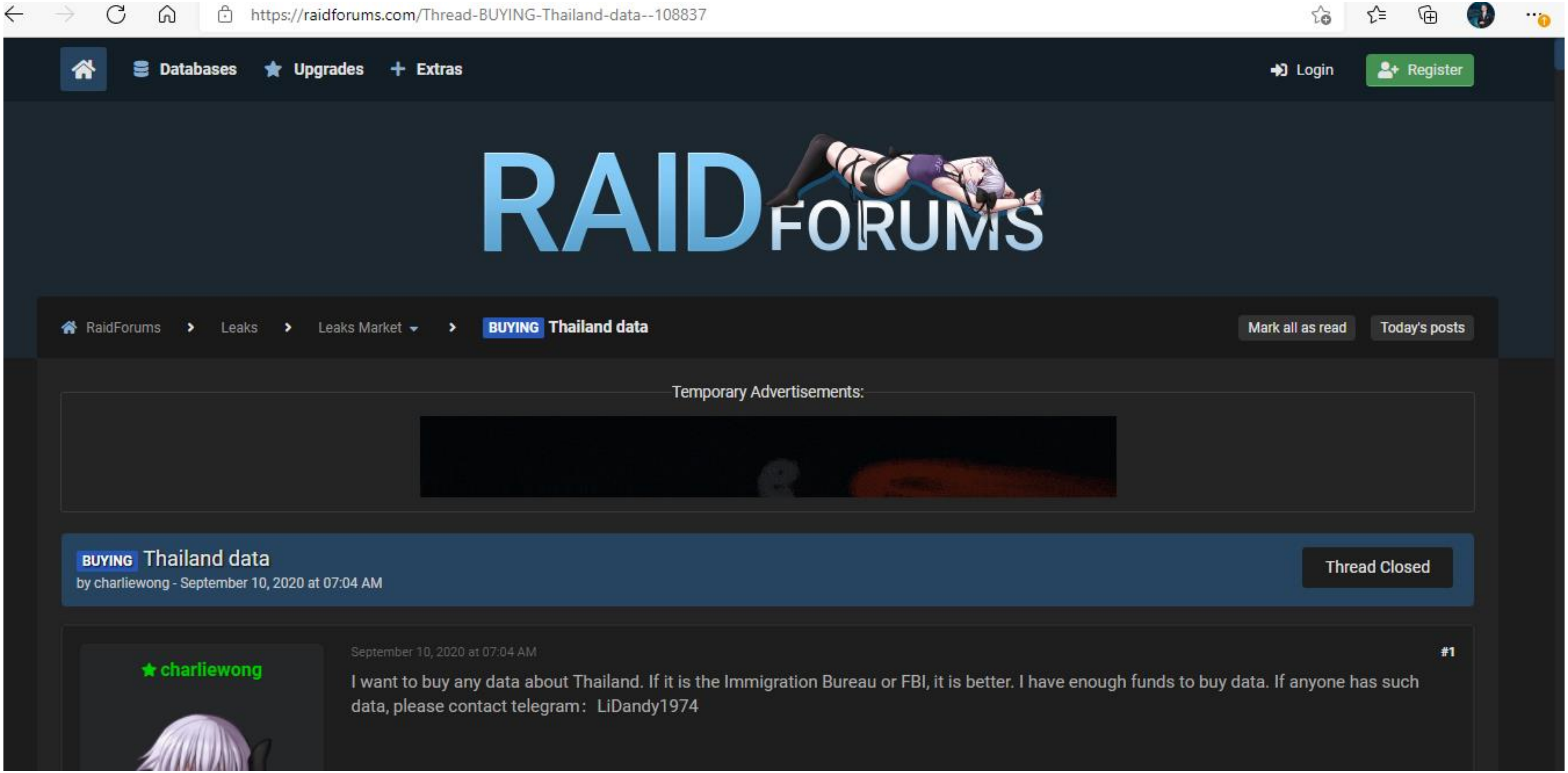
BANGKOK (Reuters) - Hospitals and companies in Thailand were hit by hackers who held their computer systems and data ransom, demanding payment to restore information, police said on Thursday.

"Government hospitals and companies were hacked in the same manner as Saraburi Hospital," Major General Phanthana Nutchanart, said, referring to a cyber attack earlier this month.

Saraburi Hospital could not access its data on Sept. 5, slowing operations relying on manual functions, but the hospital did not receive a demand for payment.

Some organizations that received ransom demands have already paid to retrieve data, in sums not exceeding 1 million baht ($32,000), he said, adding that the total number of organizations affected was still being investigated.

The Return of Ransomware and their TRIPLE attacks



https://raidforums.com/Thread-BUYING-Thailand-data--108837
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charliewong

BUYING Thailand data
by charliewong - September 10, 2020 at 07:04 AM

September 10, 2020 at 07:04 AM #1

I want to buy any data about Thailand. If it is the Immigration Bureau or FBI, it is better. I have enough funds to buy data. If anyone has such data, please contact telegram: LiDandy1974

Top Trends Cybersecurity & Data Privacy 2021

“Digital Inequality”

: AI Inclusion and AI with Ethical Dilemmas

Top Trends Cybersecurity & Data Privacy 2021

“Cyber Insurance” becomes Mandatory for Enterprises/Companies

Mandatory Cyber Insurance backed to improve Cyber Incident Response

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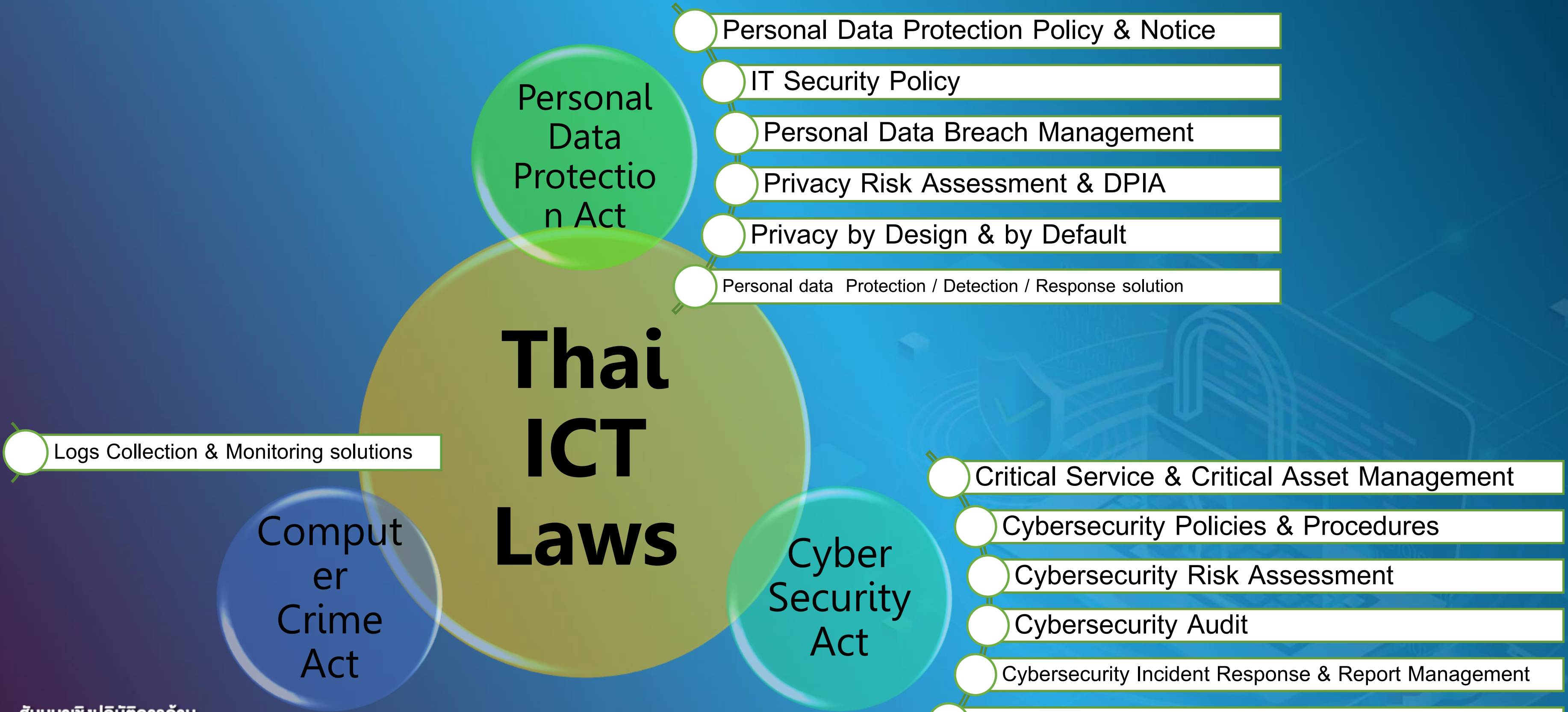
Data Resiliency The Essential of
Business Recovery after Crisis

THAI ICT LAWs



Thai ICT Laws

Personal Data Protection Act

- Personal Data Protection Policy & Notice
- IT Security Policy
- Personal Data Breach Management
- Privacy Risk Assessment & DPIA
- Privacy by Design & by Default
- Personal data Protection / Detection / Response solution

Computer Crime Act

- Logs Collection & Monitoring solutions

Cyber Security Act

- Critical Service & Critical Asset Management
- Cybersecurity Policies & Procedures
- Cybersecurity Risk Assessment
- Cybersecurity Audit
- Cybersecurity Incident Response & Report Management
- Cybersecurity Protection / Detection / Response solution

Thailand Data Protection

Guidelines

1

Faculty of Law, Chulalongkorn University
THAILAND
DATA PROTECTION
GUIDELINES 2.0
แนวปฏิบัติเกี่ยวกับการคุ้มครอง
ข้อมูลส่วนบุคคล

2

Faculty of Law, Chulalongkorn University
THAILAND
DATA PROTECTION
GUIDELINES 3.0
แนวปฏิบัติเกี่ยวกับการคุ้มครอง
ข้อมูลส่วนบุคคล

3

PDPA Step by Step

GET Compliance

- Raise Awareness
- Discover Data & Create Activities Inventory
- Define PII & SPII
- Clarify Lawfulness of processing
- Conduct Risk Assessment & Gap Assessment
- Develop Procedure & Form & Template
- Review and Revise Contract & Consent
- Assign DPO (Insource or Outsource)
- Provide IT system for E-Consent / Consent Management / Cookie Scanning

GET Secure (IT Solution)

- Conduct Vulnerability Assessment & Penetration Testing & Cyber Attack Simulation
- Review Firewall Rule & Configuration
- Develop IT Security Baseline
- Implement cybersecurity solutions, such as DLP, Database Firewall, WAF, PAM, FIM, APT, EDR etc.
- Create Incident Response Plan (IRP)
- Develop the process or guideline to get security by design and default
- Develop the process or guideline to get privacy by design and default
- Develop Privacy Impact Assessment Process
- Provide the discovery tool and data erasure tool for deleting over aging personal data

Stay Secure & Compliance

- Conduct PDPA Audit / IT Audit Annually
- Apply or Implement ISO/IEC 27001, ISO/IEC 27701 / Other Privacy Guideline
- Conduct Vulnerability Assessment & Penetration Testing Annually or Regularly
- Exercise Personal Data Breach Process & IRP
- Manage Security Service & Privacy Breach Monitoring
- Transfer Cyber Risks with Cyber Insurance

VIRUS
Creating a
CYBERSECURITY
CULTURE

Cyber Resilience Leadership: Herd Immunity

By BOT, SEC and OIC

- Cyber Risk Management | is enterprise-wide risk & need to align with business needs
- Cybersecurity Culture | is the most effective organization vaccine to create cyber immunity
- Phishing / Ransomware / Email Compromise / DDoS | Always prepare and ready for WHEN
- Enterprise Data Leaks, Cloud Breaches & Supply Chain Attacks | are the Next Normal
- Regulation Compliance (Cybersecurity Act & GDPR/PDPA Compliance) | may cause the money but also help to create cyber resilience & reduce cyber risks

Further Reading

https://prinya.org

https://www.cdicconference.com

https://www.acisonline.net

https://www.cybertron.co.th

Thank You

"Security Intelligence"

CREST.

pci Security Standards Council™

Thailand Information Security Association (TISA)

www.TISA.or.th

Cyber Defense Initiative Conference

www.cdicconference.com

ACIS Professional Center Co., Ltd.

www.acisonline.net

www.youtube.com/thehackertv

www.youtube.com/thecyber911

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