

STAKEHOLDER LIAISON

Data Compromise Playbook for Tax Practitioners

- Investigate criminal violations of the IRC and related financial crimes
- Foster confidence in the tax system and compliance with the law

- NIST Cybersecurity Framework
- IRS Publication 4557- Safeguarding Taxpayer Data (irs.gov/protectyourclient)
- It's the law- FTC- Safeguard Rule



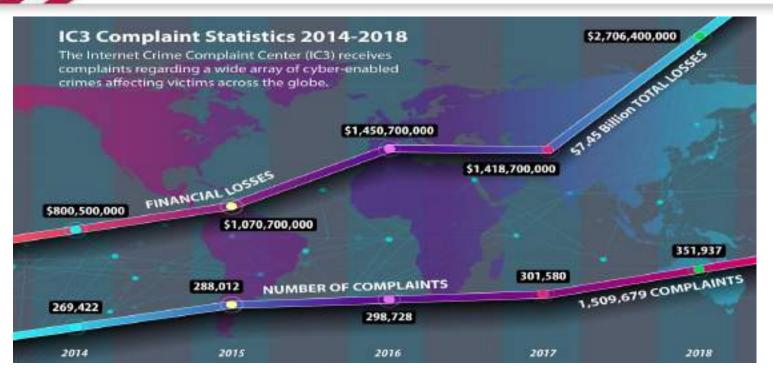
Safeguarding Client Data

Federal Laws Apply to Preparers:

- Gramm-Leach-Bliley Act, the "Safeguards Rule" requires you to ensure the security and confidentiality of customer records and information.
- Gramm-Leach-Bliley Act, the "Financial Privacy Rule" deals with privacy notices and information collection and sharing.
- Internal Revenue Code (IRC) imposed criminal and monetary penalties for knowingly or recklessly making unauthorized disclosures.



What is the Problem?



Source: FBI 2018 Internet Crime Report- IC3



More of the Problem

Business Email Compromises- BEC

2018- 20,373 Complaints

\$1.2 billion in adjusted losses

IRS- 118 incidents with over 88,374 TINs

and over \$17M in revenue protected.



Enhances the Problem





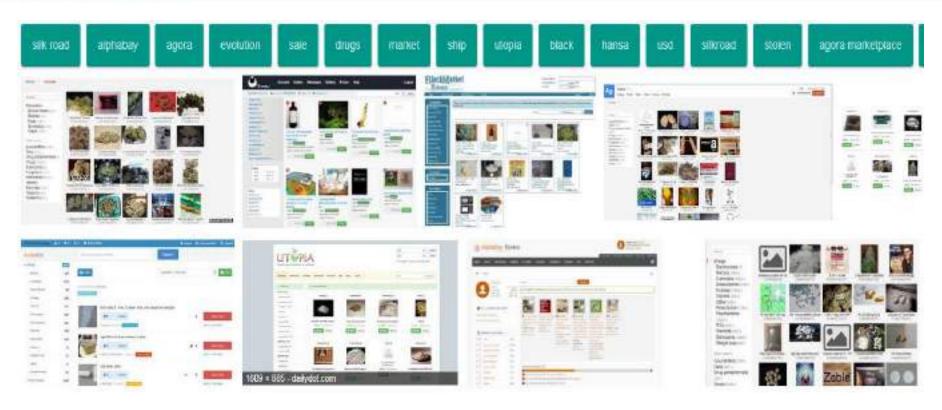
What is the Dark Web?







Examples of the Markets





NIST Cybersecurity Framework

Five key pillars of the successful and holistic cybersecurity program





NIST Cybersecurity Framework

- Identify physical and software assets
- Identify cybersecurity policy





Risk Management







The Protect Function

- Establish a Data
 security protection plan
 CIA
- Manage Protective Technology
- Equipment





- Confidentiality protecting information from unauthorized access and disclosure.
- Integrity protecting information from unauthorized modification.
- Availability preventing disruption in how you access information.





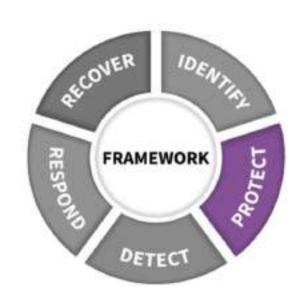
- Physical Security
- Personnel Security
- Contingency Planning and Disaster Recovery
- Operational Security
- Privacy





Review internal controls

- Install anti-malware/anti-virus security software
- Use strong passwords, protect wireless devices
- Encrypt all sensitive files/emails
- Back up sensitive data to a safe (external source)
- Wipe clean or destroy old equipment
- Limit access to taxpayer data (need to know)





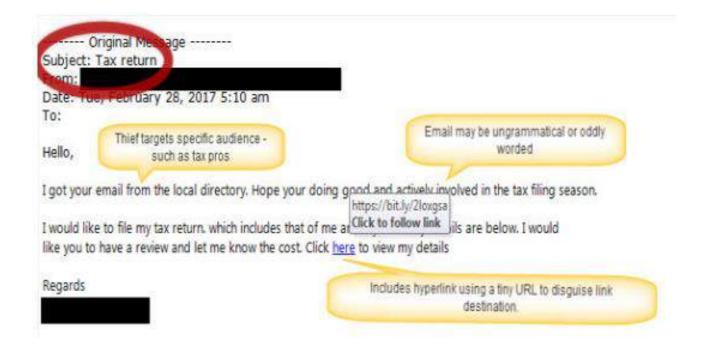
The Detect Function

- Implementing security continuous monitoring capabilities to monitor cybersecurity events
- Ensuring anomalies and events are detected, and their potential impact is understood
- Verifying the effectiveness of protective measures





Recognize a Phishing Scam



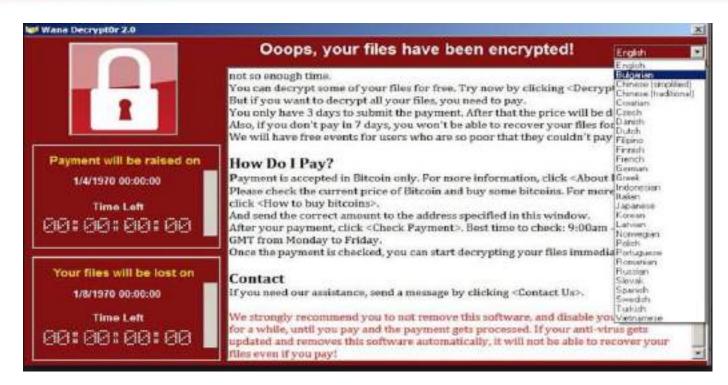




- Usually comes in the form of Phishing email and has attachments or links.
- Ransomware is a type of malware that restricts access to infected computers and requires victims to pay a ransom to regain access to their data
- Typical ransoms are in the range of \$100 - \$300, and are often demanded in the form of digital currency, such as Bitcoin











Business Email Compromise

- Cybercriminals are able to identify chief operating officers, school executives or others in position of authority (Social Engineering).
- Fraudsters mask themselves as executives or people in authoritative positions and send emails to payroll or human resources requesting copies of Forms W-2. (Grooming





Business Email Compromise

- Form W-2 contains the following (Exchange of Information)
 - Employment Identification Numbers (EIN)
 - Social Security Numbers
 - Income / Withholdings (Federal, State, Local)
 - Address
 - Retirement Plan
 - Health Benefits Plan





Business Email Compromise

----Original Message-----

From: Mickey Mouse <mk@mu.se>

Sent: Tuesday, January 22, 2019 1:03 PM

To: Minnie Mouse <minnie@realbusiness.org>

Subject: Request

Hi Minnie,

I need you to email me 2018 W2s of all employees.

How soon can you get me those?

Regards

Mickey Mouse





Example: Warning Labels

From: [mailto:

Sent: Tuesday, June 12, 2018 2:01 AM

To: , < >

Subject: Final Reminder for Notice of Tax Overpayment

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****



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Signs of a Breach- The Victim IRS Experience

- **Electronic Return Rejected (Paper Return)**
- Verification Letters (5071C or 4883C)
- https://www.irs.gov/individuals/irs-noticeor-letter-for-individual-filers External
- **Transcripts**
- **Receipt of US Treasury Refund Check**
- Receipt of Reloadable Prepaid Card
- **Receipt of Refund Transfer Company** Check





Signs of a Breach- The Victim **IRS** Experience

- Ensuring Response Planning processes are executed during and after an incident
- Managing Communications during and after an event
- Analyzing effectiveness of response activities





- Contact IRS Stakeholder Liaison When Compromise Detected
- Stakeholder Liaison will refer Information within IRS (i.e. Criminal Investigations, Return Integrity & Compliance Services)
- Follow State Reporting Requirements (i.e. State Attorney General, State Consumer Protection Bureaus, State Police)
- Report Compromise to FBI, US Secret Service, Federal Trade Commission





Contact experts:

- Security expert to determine the cause and scope of the breach, to stop the breach and to prevent further breaches from occurring.
- Insurance company to report the breach and to check if your insurance policy covers data breach mitigation expenses.





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RS Security Summit

 The Security Summit has launched a campaign aimed at increasing awareness among tax professionals: Protect Your Clients; Protect Yourself.



 This is a follow-up effort to the "Taxes. Security. Together." public awareness campaign





- Ensuring the organization implements Recovery Planning processes and procedures
- Implementing improvements based on lessons learned
- Coordinating communications during recovery activities





- Update your IRS Stakeholder Liaison with developments;
- Review FTC's Data Breach Response: A Guide for Business
- Determine how the intrusion or theft occurred Develop a continuity plan.
- Make full backups of all business data and files. If you weren't doing it before the data loss, start as soon as your systems are clean.





- A routine backup means a data loss or ransomware attack (as well as a hurricane or flood) will not destroy all files.
- Encrypt backed up files.
- Consider a monthly backup schedule, or more often during the filing season.
- Backup files after completing a routine system scan.
- Use an external hard drive or cloud storage; encrypt files prior to uploading to the cloud.



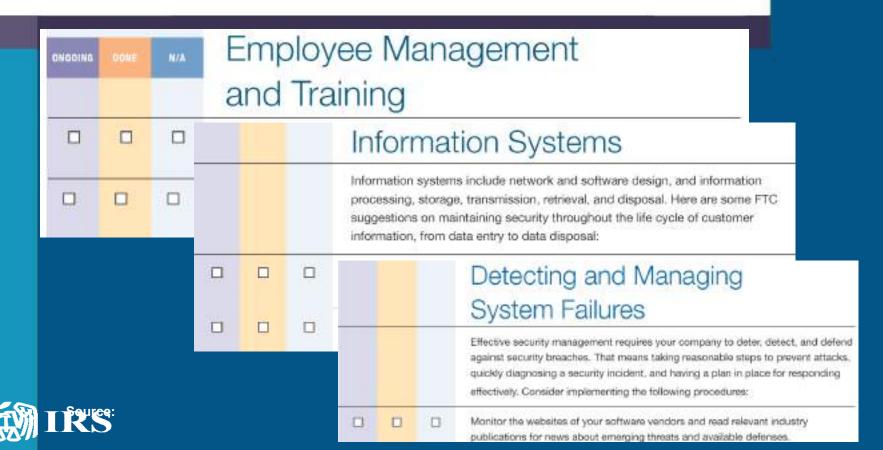


NIST Cybersecurity Framework

Five key pillars of the successful and holistic cybersecurity program



Use the Safeguard Rule Checklist





Tax Tips: (https://www.irs.gov/uac/irs-security-awareness-tax-tips)

- <u>Safeguarding Taxpayer Data: Create Strong Passwords:</u>
 Protect Your Clients; Protect Yourself Tax Tip Number 8,
 January 25, 2017
- What to Do If You Suffer a Data Breach or Other Security Incident: Protect Your Clients; Protect Yourself Tax Tip Number 7, January 18, 2016
- Safeguarding Taxpayer Data: Monitor Your EFIN for Suspicious Activity:: Protect Your Clients; Protect Yourself Tax Tip Number 6, January 11, 2017



Publications

- Publication 4557, Safeguarding Taxpayer Data
- Publication 4524, Security Awareness for Taxpayers

Related IRS.gov Resources

Videos, alerts, fact sheets, news releases



Federal Trade Commission "Start With Security"

https://www.ftc.gov/tips-advice/business-center/guidance/start-security-guide-business

Department of Commerce's National Institute of Standards and Technology (NIST)

Small Business Information Security: The Fundamentals

https://www.nist.gov/cyberframework

Center for Internet Security (CIS)

https://www.cisecurity.org/critical-controls.cfm



Multi-Factor Authentication



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Sign Up

If you don't have an IRS username, go back and create an account.





PTIN and FIRE users need a separate account in this system



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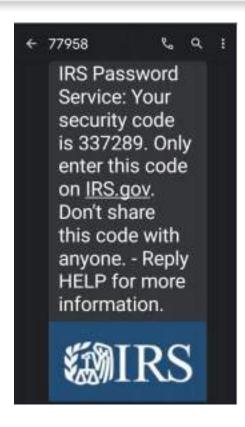
GANGEL



Log In Verify that your Site Image and Site Phrase below are correct. If the Site Image and Site Phrase are not correct, please do not proceed. Your Site Image: Your Site Phrase: Meggie's Stuff Password Your@password Forgot Password



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