

Fun fact:

How many dollars were moved through the ACH Network in 2022?

Answer:

Nearly \$73 trillion



Bad actors are growing in confidence & sophistication



\$2.4 billion

In losses from social engineering, phishing and business email compromise (BEC) attacks

38% increase

In the number of attack attempts from calendar year 2022 to 2021

2nd place

Government/military sustained the most attacks in 2022 after the education/research sector

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Closer to home

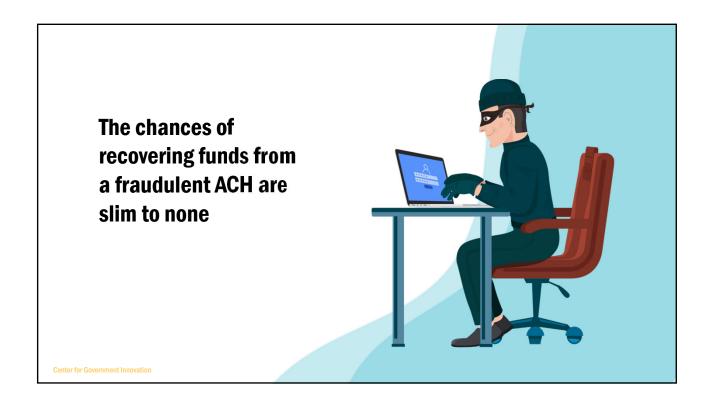
Year	Cases	Losses
2022	29	\$4,341,895
2021	13	\$1,944,621
2020	26	\$2,826,064











Break the fraud triangle

Your best defense is minimizing opportunity









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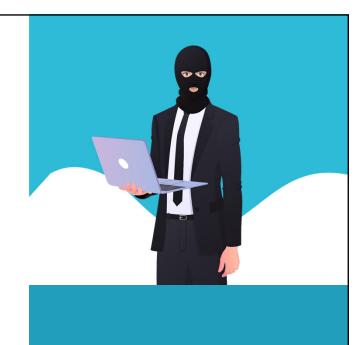


Fraudulent email messages

- #1 method used by hackers to access your government's data
- Designed to trick you into revealing sensitive information

Bad actors are clever

- They learn your operations and timetables
- They strategize their plans
- They pose as an employee, vendor or executive management

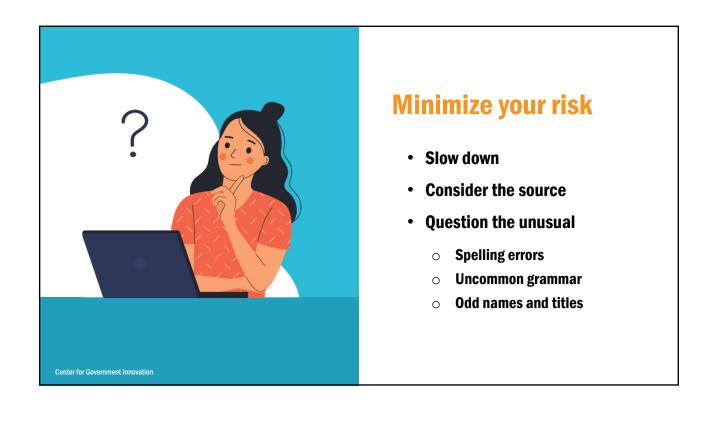


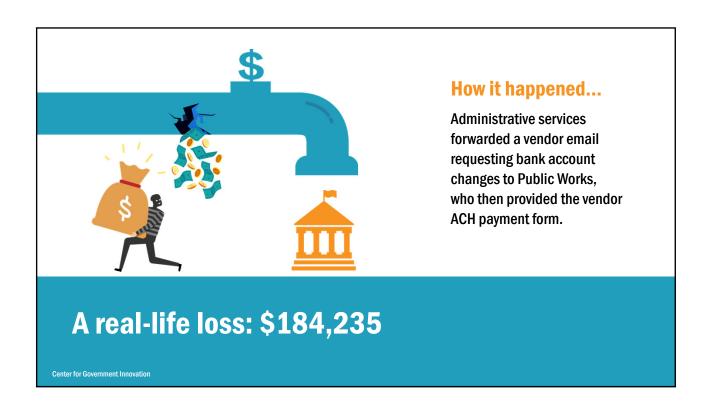


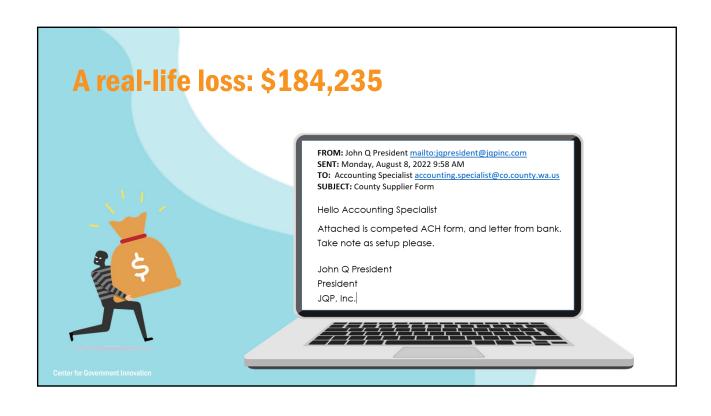






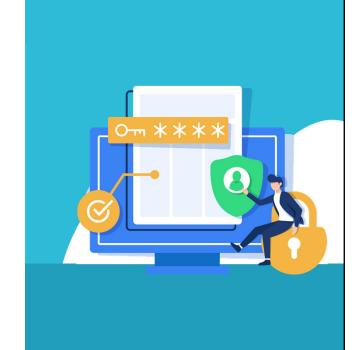






ALWAYS:

- Verify requests with known, reliable sources
- Provide written notifications of account changes
- Use data encryption



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How it happened...

A Parks Department employee forwarded a vendor email to Accounts Payable requesting an update to banking information. The vendor email had been hacked.

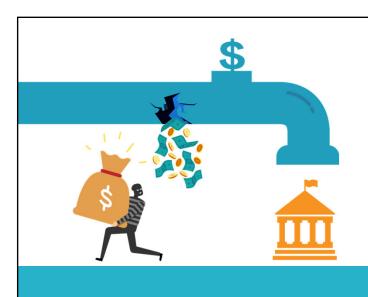


A real-life loss: \$95,444

Fun fact:

What percentage of Americans get paid using ACH direct deposit?

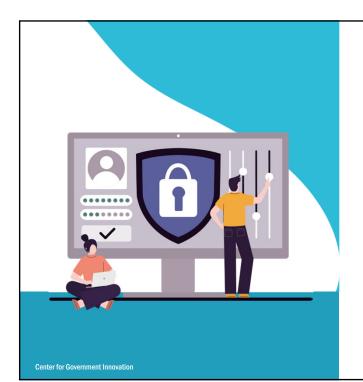
Answer: 93%



How it happened...

A bank sent Finance a notification that a payroll direct deposit account had been closed. Finance notified the employee, who had never requested a bank account change.

A real-life loss: \$14,015



- Use extra precautions with links
- Require complex, unique passwords
- Safeguard passwords

How it happened...

Personal banking information was compromised because employees clicked a phishing email and had their direct deposit information changed.



A real-life loss: \$0

- Detailed policy review
- Urgent requests
- Expressions of anger
- Number/timing of requests



Specialized training for staff who process ACH transactions

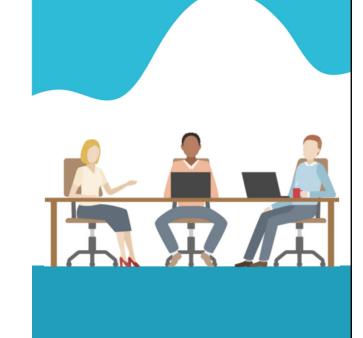
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Minimize your risk: Segregate duties Segregate Duties Submit ACH Payment file Authorize ACH Release Bank Releases Funds Center for Government Innovation

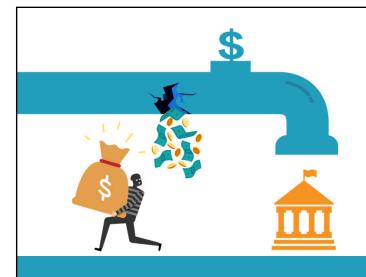
Minimize your risk: Segregate duties

Other employees should:

- Review and approve ACH changes and new accoun
- Manage vendor/employemaster files
- Monitor/reconcile bank accounts



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How it happened...

A Finance Director had full access to all systems as well as ACH/wire transfer capability with little to no oversight or monitoring of her activities.

A real-life loss: \$6,948,277

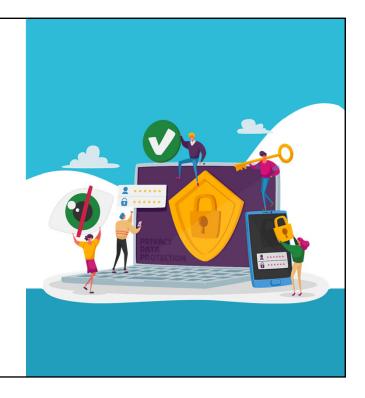


- Dedicate a bank account for ACH transactions
- Use ACH positive pay
- Consider a bank account validation service

Minimize your risk

Share ACH information wisely

- Restrict access to ACH forms
- Share bank information securely
- Safeguard sensitive infor
- Consider a payee portal

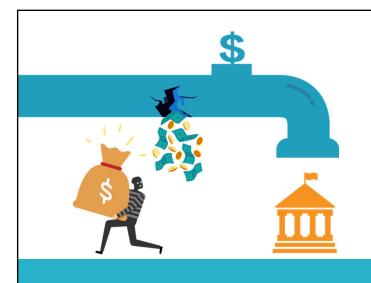


How it happens...

A new Payroll Clerk's contact information was added to a City's website. Within days, phishing emails impersonating employees requesting bank account changes started coming in.



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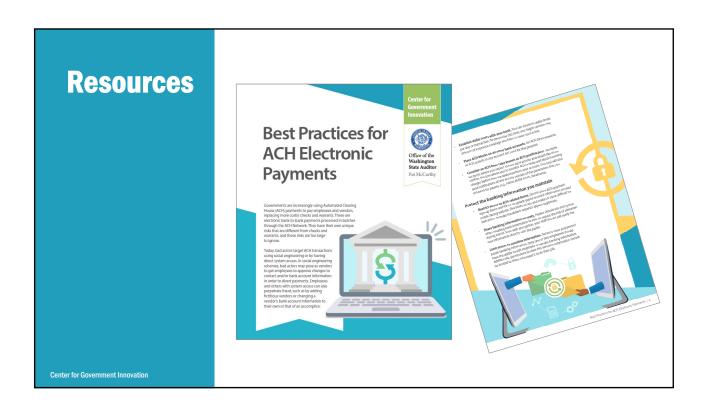


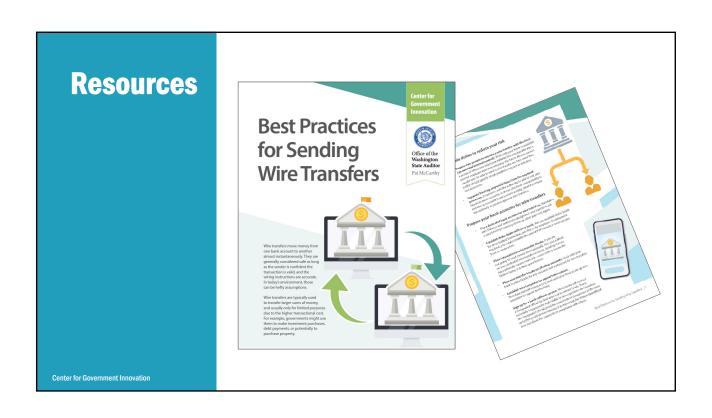
How it happens...

During a Board meeting, the CFO noticed that banking information was listed for ACH transactions on the meeting agenda.

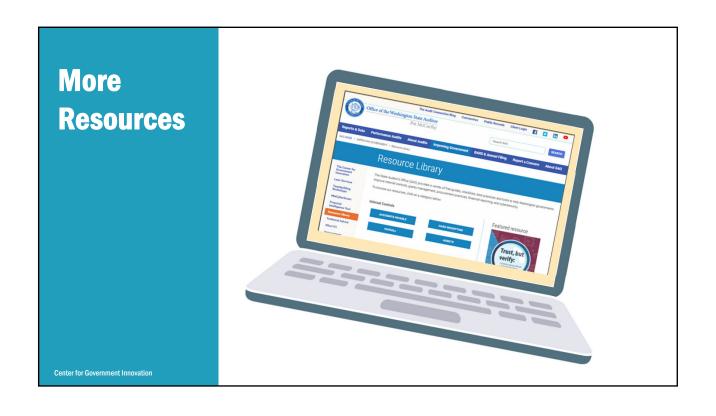












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