



rocket matter

Cybersecurity for Lawyers: How to Keep Your Firm's Information Safe

Larry Port

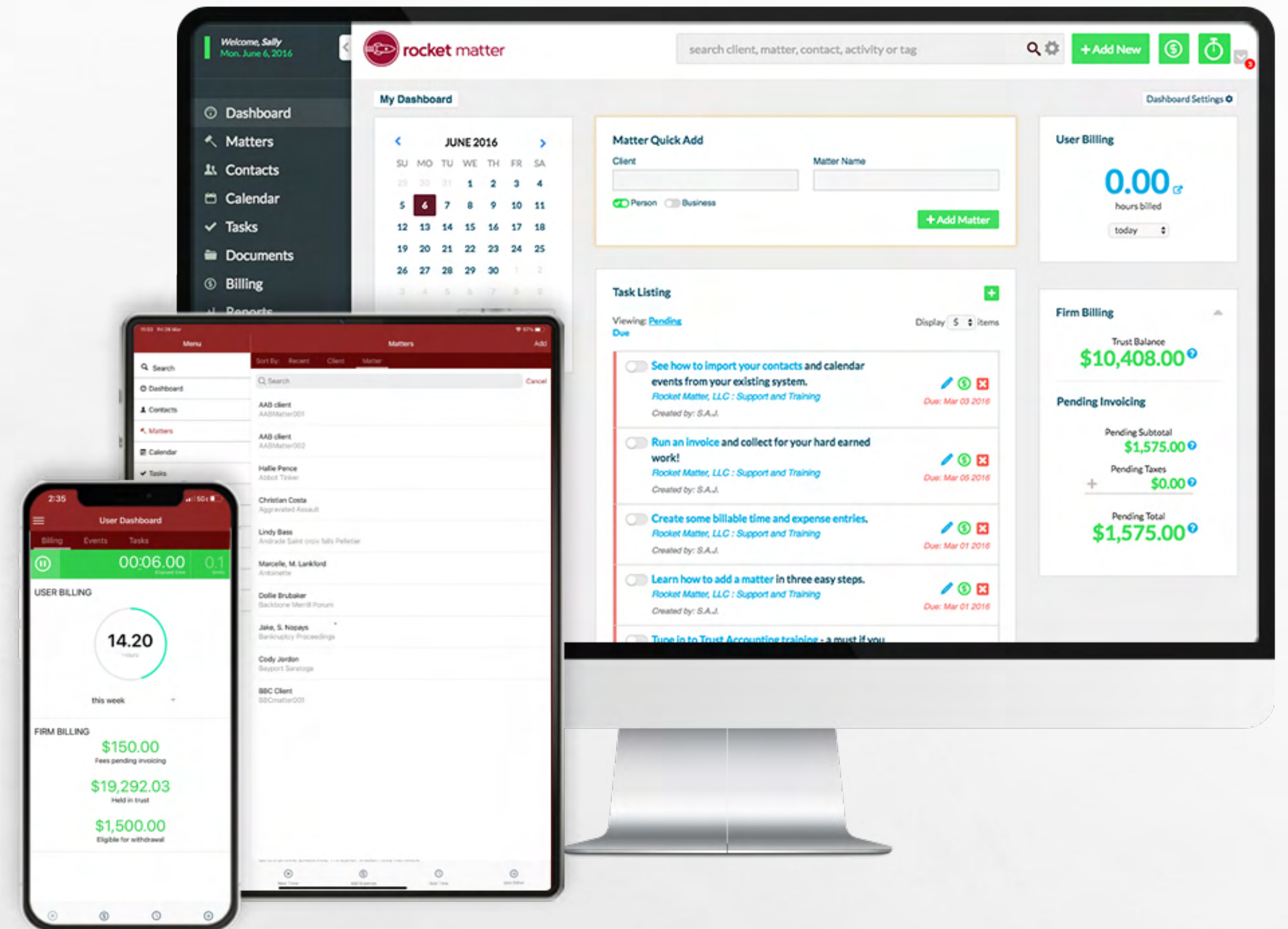
[**larry.port@rocketmatter.com**](mailto:larry.port@rocketmatter.com)

Husband. Father. CEO of Rocket Matter. Animal-lover. Author. Hiker. Lover of books.

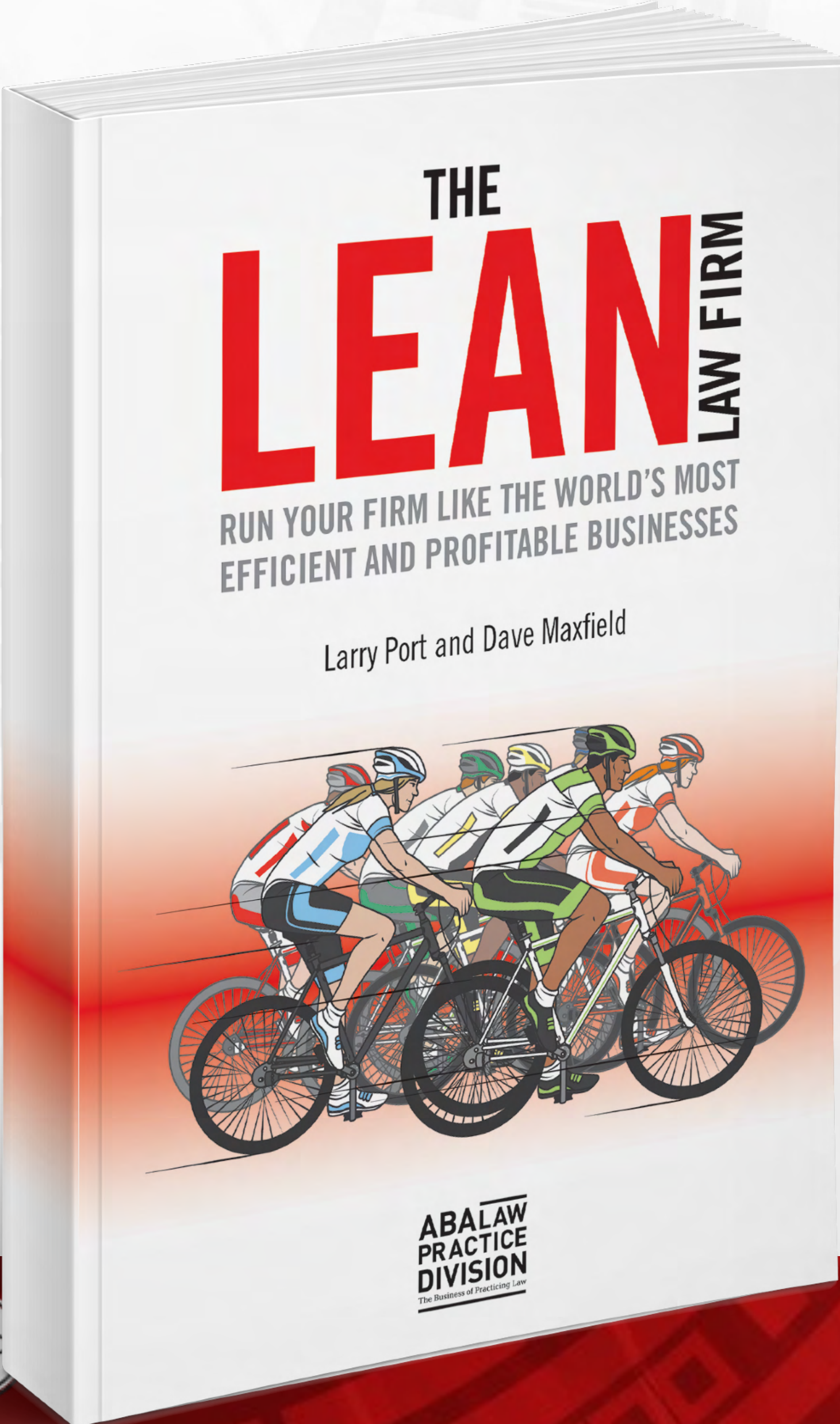


About Rocket Matter


- Pioneered cloud-based practice management and time and billing in 2007.
- Seven consecutive Stevie® awards for customer service excellence.
- Runs on PCs, Macs, Androids, iPhones, Tablets.
- Used by thousands of lawyers internationally.



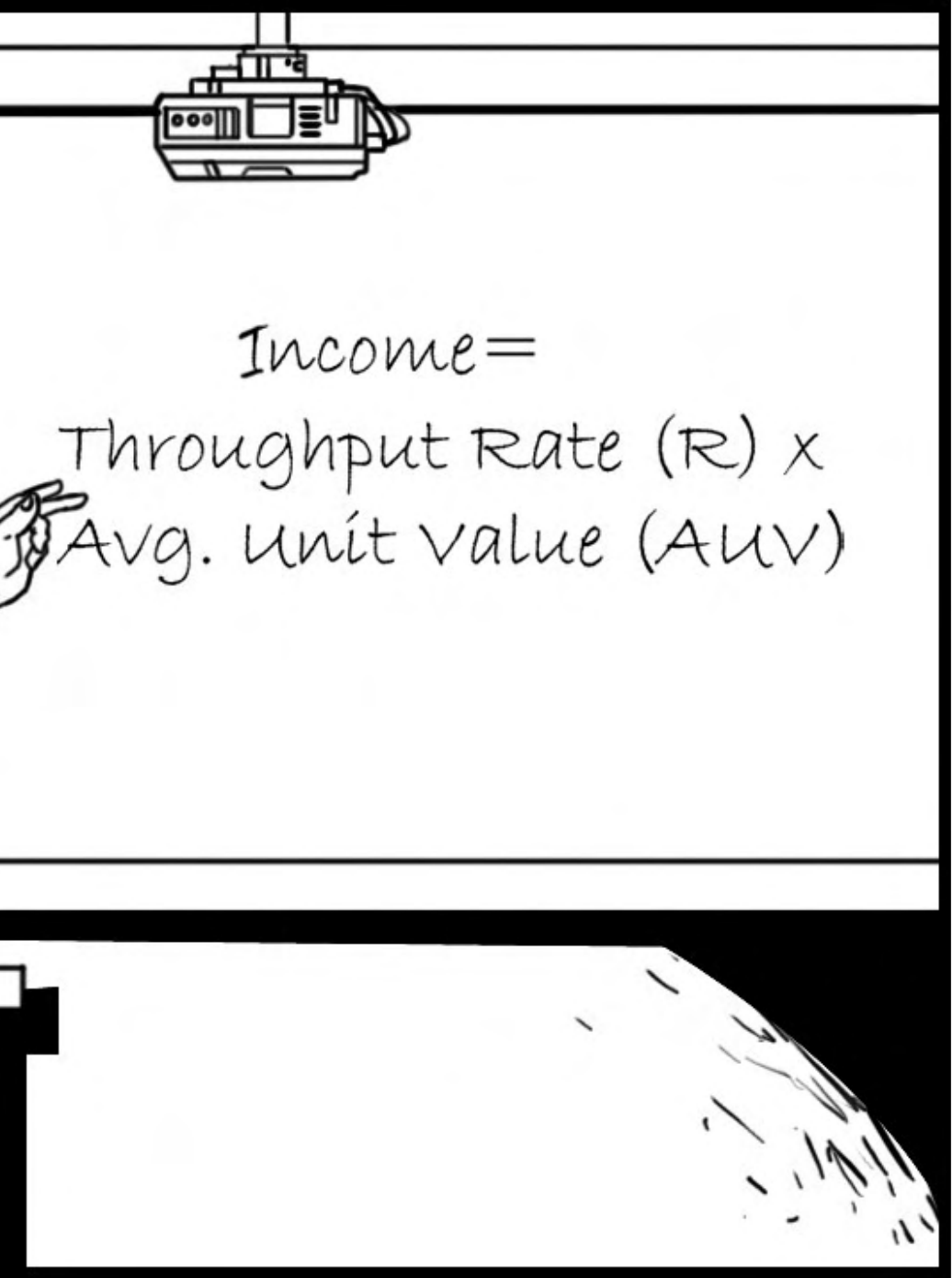
The Lean Law Firm, ABA Press



UP NEXT	WORK IN PROGRESS	DONE
<div>CROWE VS. SKY BROS.</div> <div>SHAVITZ VS. WOODFIELD</div>	<div>HOBBS VS. CROWNOVER</div> <div>JONES VS. HILL</div>	<div>DE LA ROSA VS. DELTA</div> <div>MAXFIELD VS. PORT</div> <div>MILIAN VS. REVERENT</div>



Income =
Throughput Rate (R) x
Avg. unit value (AUV)



MUDA OR WASTE TYPES

- WASTE

TRANSPORT
(moving products that are not actually required to perform the processing)

INVENTORY
(all components, work in process, and finished product not being processed)

MOTION
(people or equipment moving or walking more than is required to perform the processing)

WAITING
(waiting for the next production step)

OVERPRODUCTION
(production ahead of demand)

OVER PROCESSING
(resulting from poor tool or product design creating activity)

DEFECTS
(the effort involved in inspecting for and fixing defects)

This just in!

NATIONAL

A T-Mobile Breach Exposed Nearly 50 Million People's Personal Data

Updated August 18, 2021 · 9:50 AM ET ⓘ

THE ASSOCIATED PRESS



T-Mobile says about 7.8 million of its current postpaid customer accounts' information and roughly 40 million records of former or prospective customers who had previously applied for credit with the company were involved in a recent data breach.

Keith Srakocic/AP

NEW YORK — The names, Social Security numbers and information from driver's licenses or other identification of just over 40 million former and prospective customers that applied for T-Mobile credit were exposed in a recent data breach, the company said Wednesday.

Cybersecurity is a team effort



Ransomware is in the news

Meat giant JBS pays \$11m in ransom to resolve cyber-attack

🕒 10 June

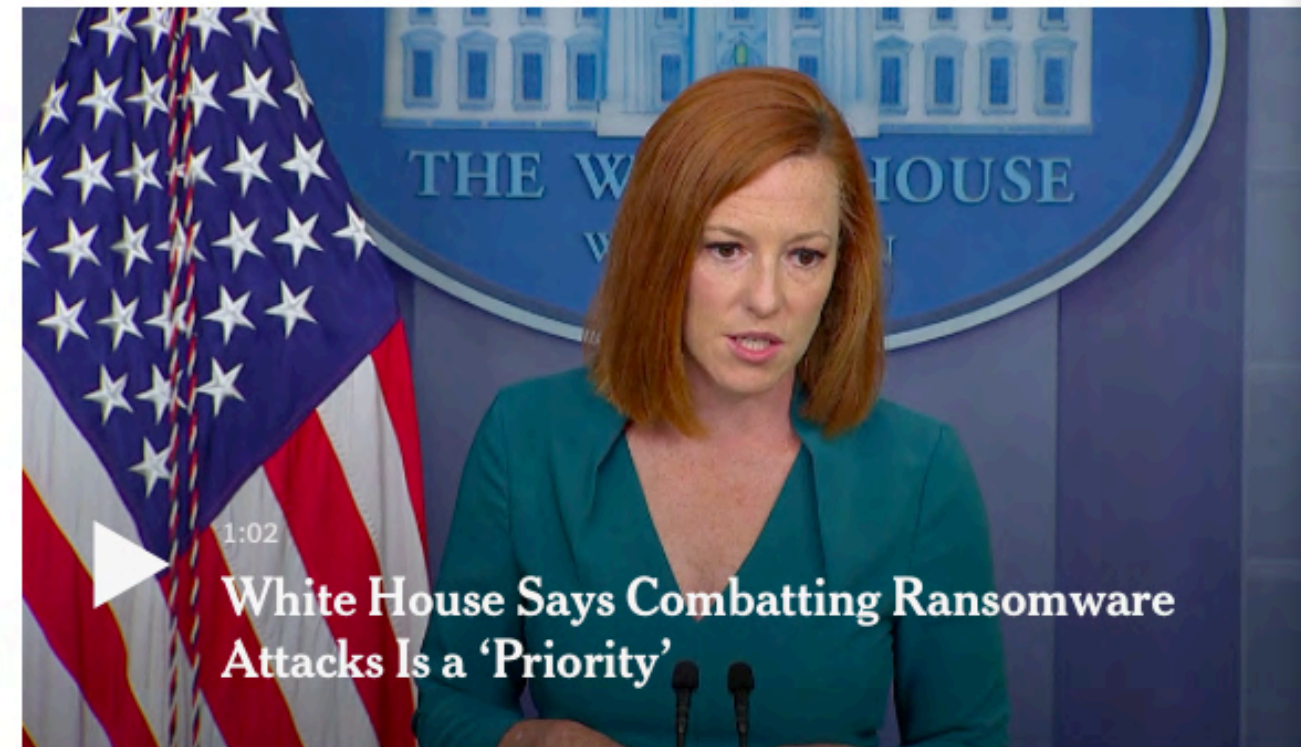


The world's largest meat processing company has paid the equivalent of \$11m (£7.8m) in ransom to put an end to a major cyber-attack.

Computer networks at JBS were hacked last week, temporarily shutting down some operations in Australia, Canada and the US.

The payment was reportedly made using Bitcoin after plants had come back online.

Up to 1,500 businesses could be affected by a cyberattack carried out by a Russian group.




Last week, a number of small- and medium-sized businesses were hit by a major cyberattack, causing other companies around the world to fear the same. The Biden administration said it's working to prevent further cyberattacks.



By Kellen Browning

Published July 6, 2021 Updated July 26, 2021

Between 800 and 1,500 businesses around the world were compromised or affected by a [cyberattack](#) on Friday that security experts said could be the largest attack in history using [ransomware](#), in which hackers shut down systems until a ransom is paid.



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Practice Management

Small and Mid-sized Law Firms Slammed by Ransomware

By Sharon D. Nelson and John W. Simek, *Solo, Small Firms and General Practice News*, June 30, 2021



A Warning for Law Firms





The first of the quarterly 2021 surveys appeared in April, and the news isn't good for small and mid-sized law firms. Note these ominous words from Coveware, a highly regarded aggregator of global ransomware and cyber extortion data, which published the Coveware Quarterly Ransomware Report (Q1 2021):



"The most notable change in industries impacted by ransomware attacks in Q1 was the professional services industry, specifically law firms. Small and medium sized law firms continue to succumb to encryption ransomware and data exfiltration extortion attacks. Unfortunately, the economics of many small professional service firms do not encourage or enable adequate cyber security."

Actually, ransomware has been in the news for a while

JUN 27, 2017 @ 02:16 PM 44,570 2 FREE Issues of Forbes

Petya Or NotPetya: Why The Latest Ransomware Is Deadlier Than WannaCry

 **Thomas Fox-Brewster**, FORBES STAFF 
I cover crime, privacy and security in digital and physical forms. [FULL BIO](#) 

Oops, your important files are encrypted.

If you see this text, then your files are no longer accessible, because they have been encrypted. Perhaps you are busy looking for a way to recover your files, but don't waste your time. Nobody can recover your files without our decryption service.

We guarantee that you can recover all your files safely and easily. All you need to do is submit the payment and purchase the decryption key.

Please follow the instructions:


1. Send \$300 worth of Bitcoin to following address:
`1Mz71538PmXCTeR2R1t7Bw6SdzaR1N9B4X`
2. Send your Bitcoin wallet ID and personal installation key to e-mail `wowmith123456@posteo.net`. Your personal installation key:
`74f296-2Kx1G-y@Q84r-SBgaH6-88x1td-U2Bki-Z2pKJE-kESsSM-eBtizU-gUeUHa`

If you already purchased your key, please enter it below.

Symantec

The Petya ransomware was initially blamed for a massive outbreak across Europe and [\[+\]](#)

The Telegraph





HOME | NEWS | SPORT | BUSINESS | ALL SECTIONS 

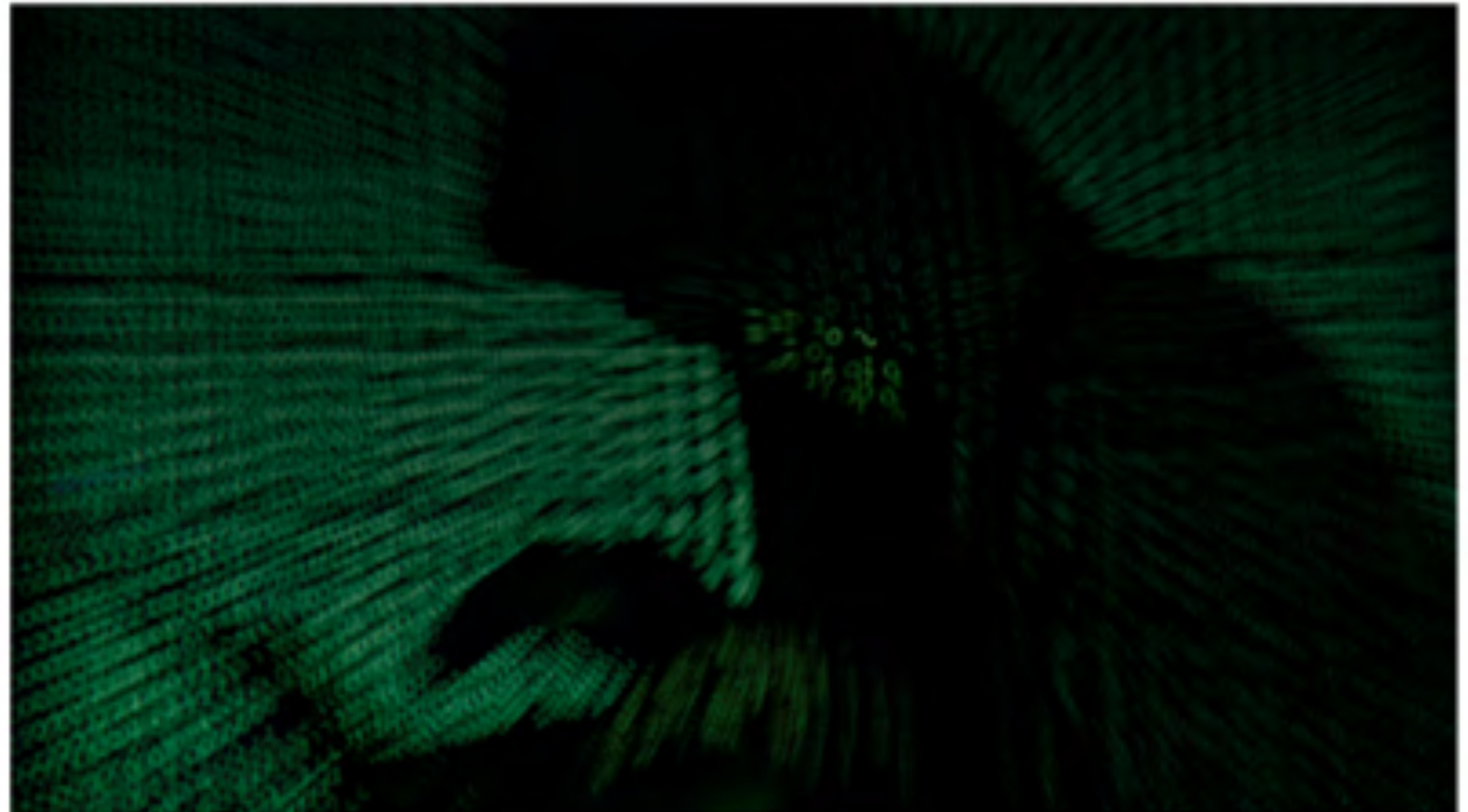
Technology

[News](#) | [Reviews](#) | [Opinion](#) | [Internet security](#) | [Social media](#) | [Apple](#) | [Google](#) | [Newsletter sign-up](#)


Technology

What is WannaCry and how does ransomware work?

    15 Comments



By [Cara McGoogan](#) ; [James Titcomb](#) and [Charlotte Krol](#), VIDEO NEWS PRODUCER



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YOU'LL ARRIVE IN STYLE. AND IN THE PERFECT FRAME OF MIND.

[CURRENT OFFERS](#) [BUILD & PRICE](#)

MORE STORIES

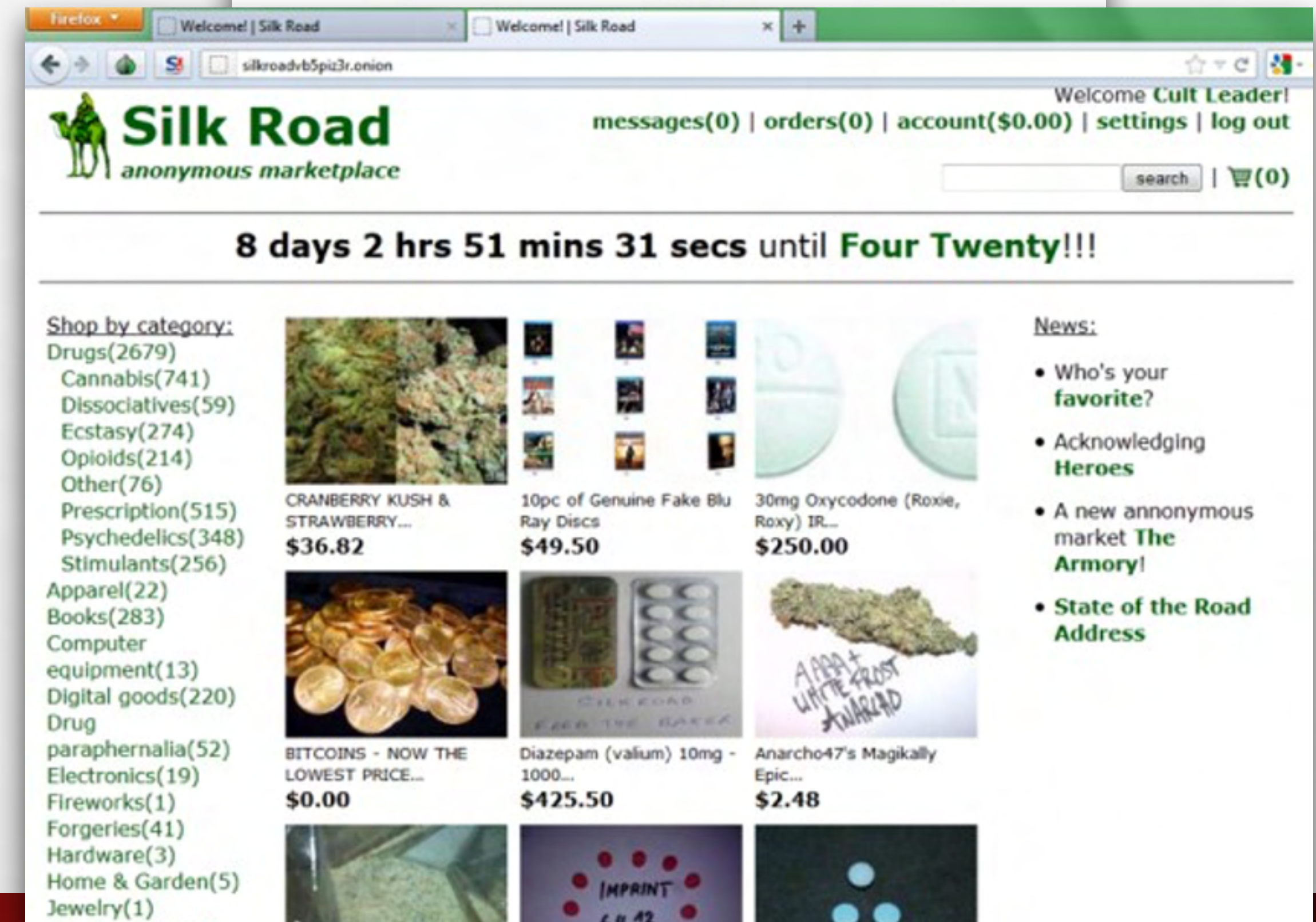
- 1 British celebrity chef Darren Simpson dies in Australia
- 2 Five ways you can change your Facebook profile to take your privacy back
- 3 Ed Sheeran and Val from Bake Off's love blossoms online, and the world swoons
- 4 'That's dope!': EU migrants react to Theresa May's pledge to allow them to stay

Who's attacking our systems?

- Sponsored by nations like Russia, Iran, China
- Hacking networks
- “Anonymous”
- Randoms on the Dark Web

What's the dark web?

Accessed using a network called Tor, websites are on sites with .onion domains.



Your people are your #1 risk



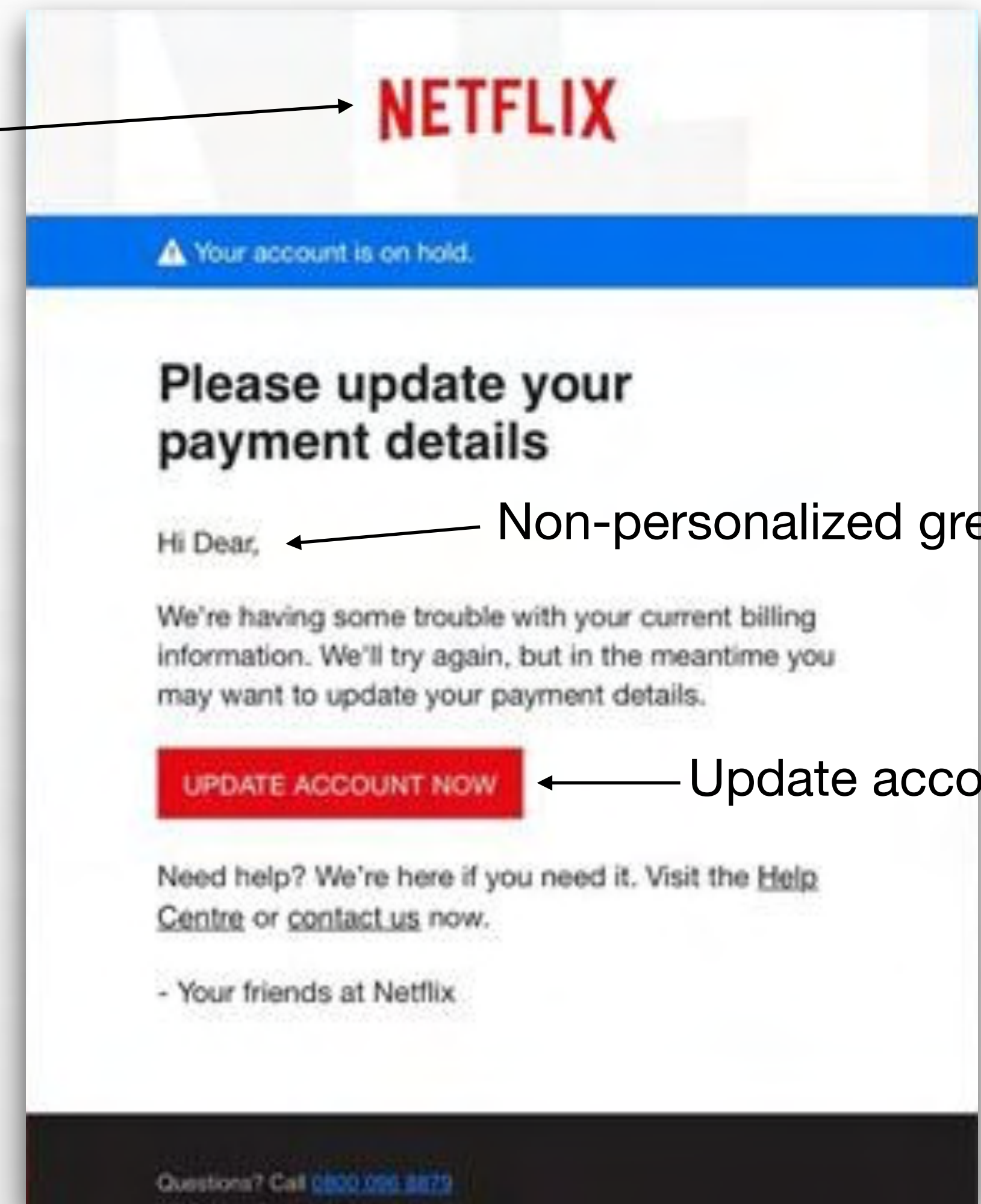
You are only as strong as your weakest link



Phishing attacks

When you receive an email that encourages you to click on a false link. The fake website then gathers your username and password.

Trusted logo



NETFLIX

⚠ Your account is on hold.

Please update your payment details

Hi Dear,

We're having some trouble with your current billing information. We'll try again, but in the meantime you may want to update your payment details.

UPDATE ACCOUNT NOW

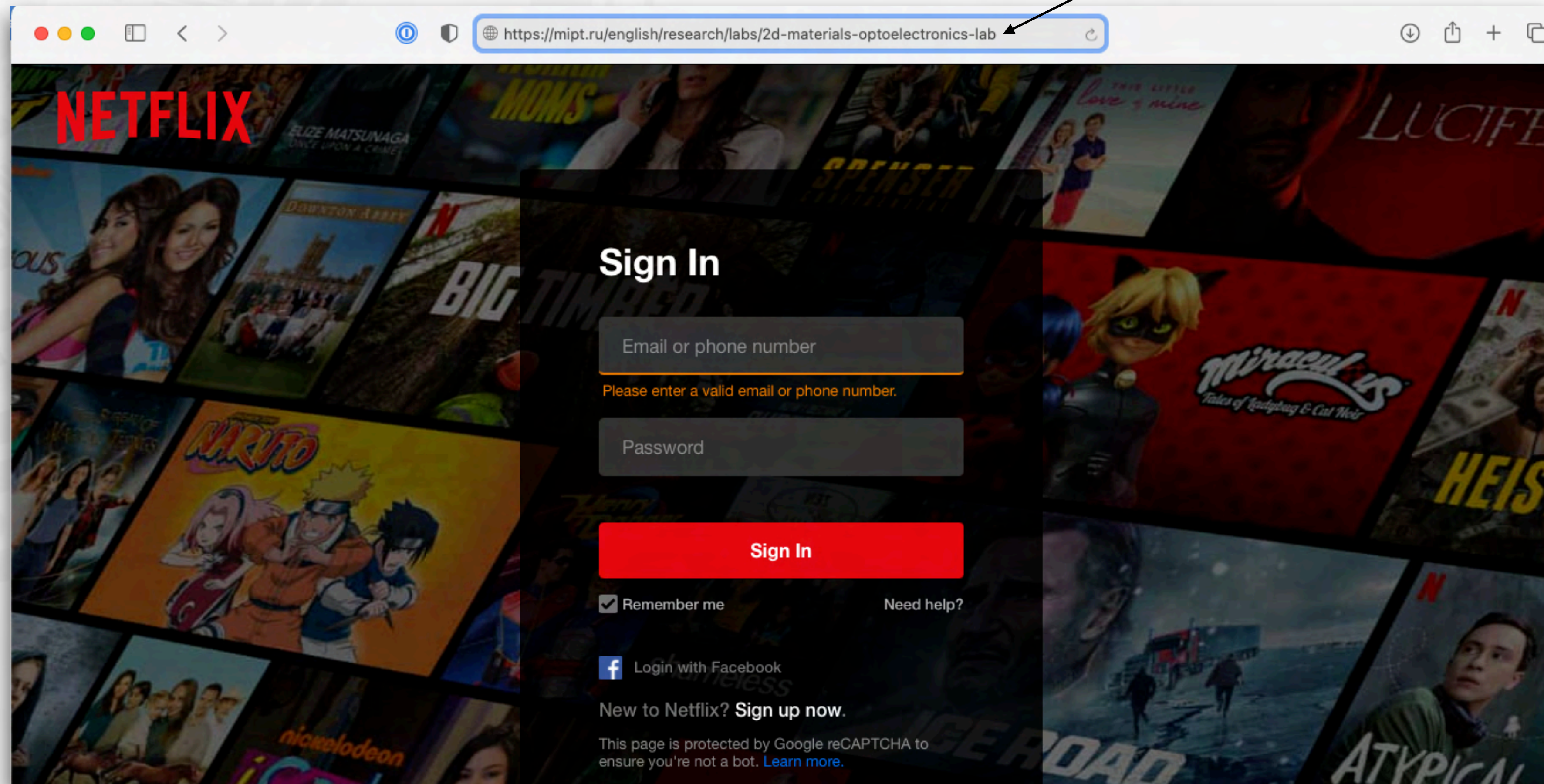
Need help? We're here if you need it. Visit the [Help Centre](#) or [contact us](#) now.

- Your friends at Netflix

Questions? Call 888.095.8879

Phishing attacks

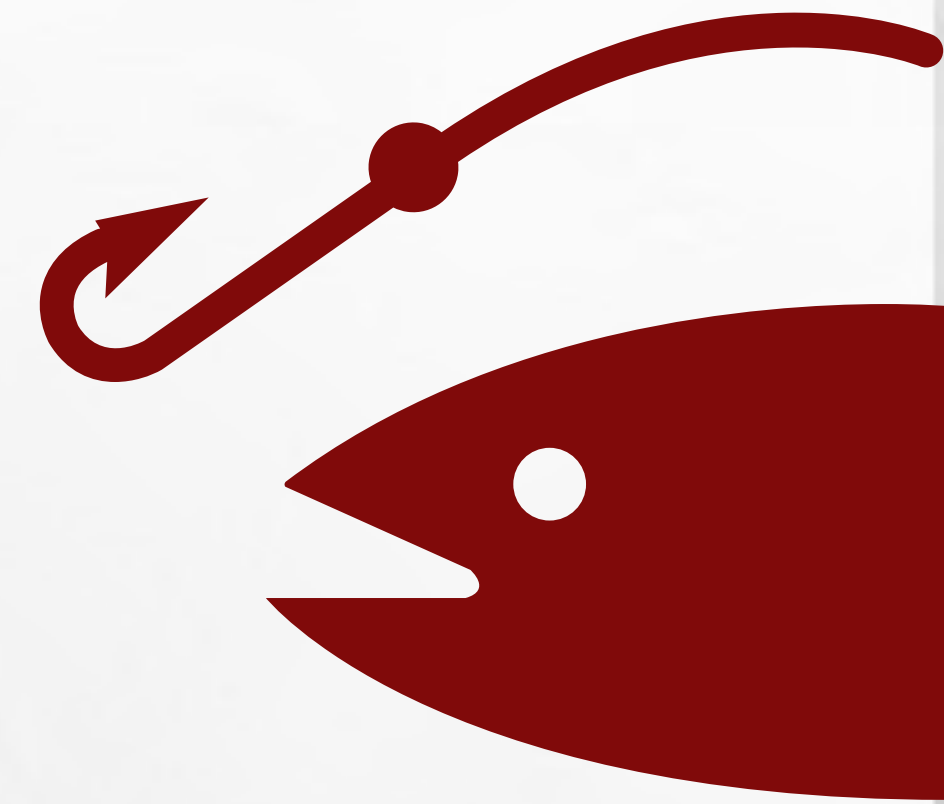
The URL gives it away.



The website you're taken to looks real.

Protect Against Phishing

- If you get a link from a service you use, don't click the link. Type the address into the browser and login in manually.
- Use software with strong spam filters like Gmail or Office 365.
- Consider using SaneBox as well.
- Use two-factor authentication.
- If you think you fell for a phishing attack, reset your password for that service & notify your system administrator.

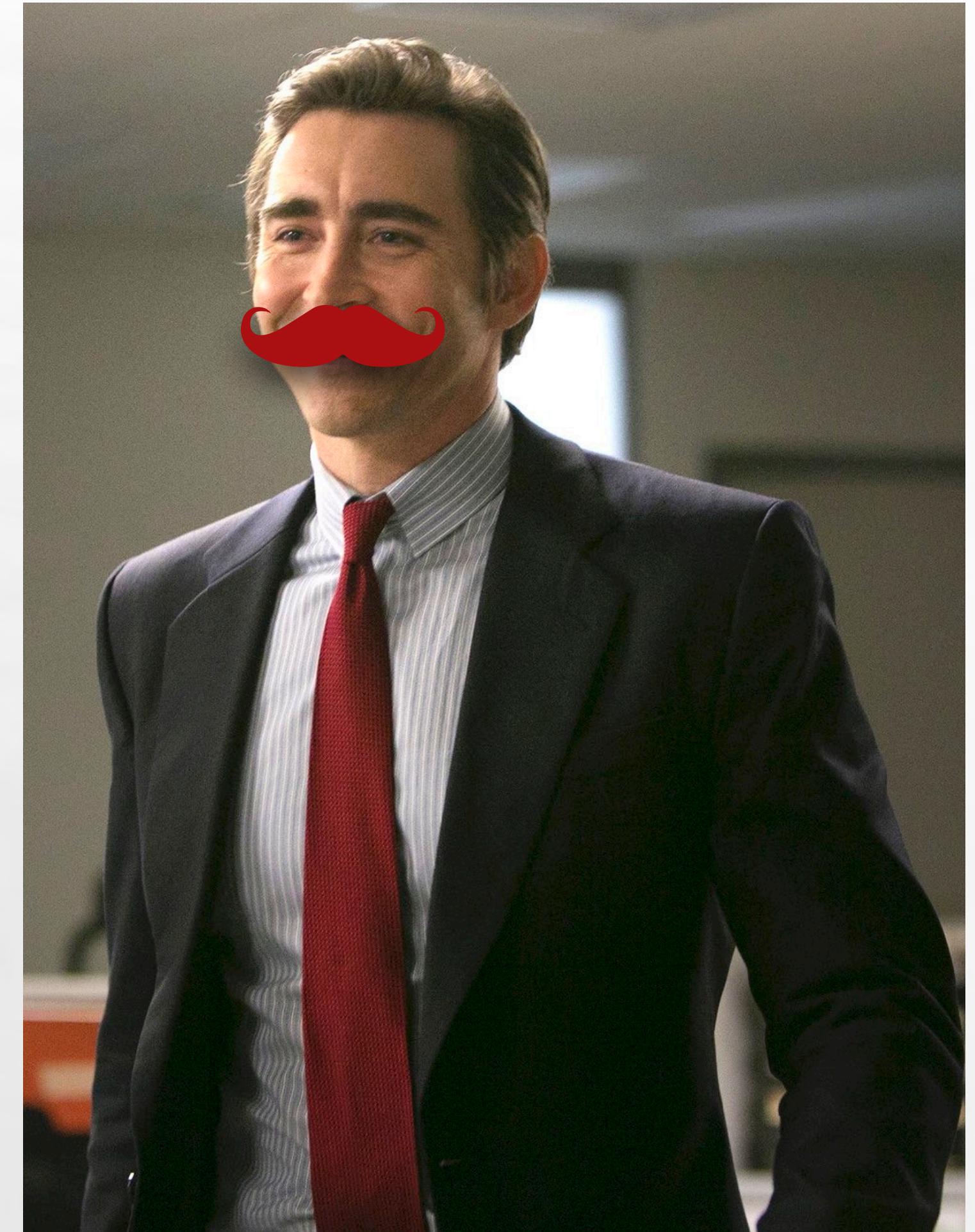


Phishing + Social Engineering = Spear Fishing

Spear fishing are targeted attacks on individuals.

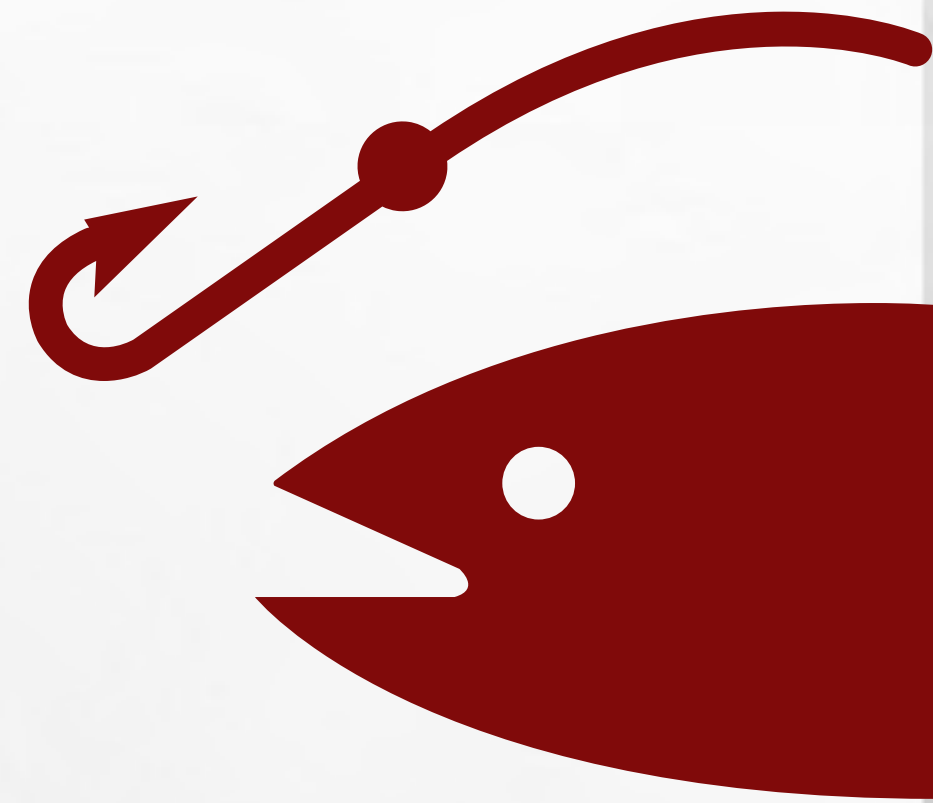
A spear fishing email is more convincing and seems like it was meant for you.

Instead of a link, the email may have a malicious attachment.



Protect Against Spear Phishing

- Beware any emails that aren't formatted the same as an email typical from the sender.
- Make sure that the email address and name match the senders.
- Use two-factor authentication.
- Make sure your email program has virus scanning software installed and up to date.



Two-Factor Authentication

You know those codes you have to type in?

THEY KEEP YOU SAFE.



Make sure your software is up-to-date



Click Apple -> System Preferences -> Software Update



Click Start > Settings > Update & Security > Windows Update

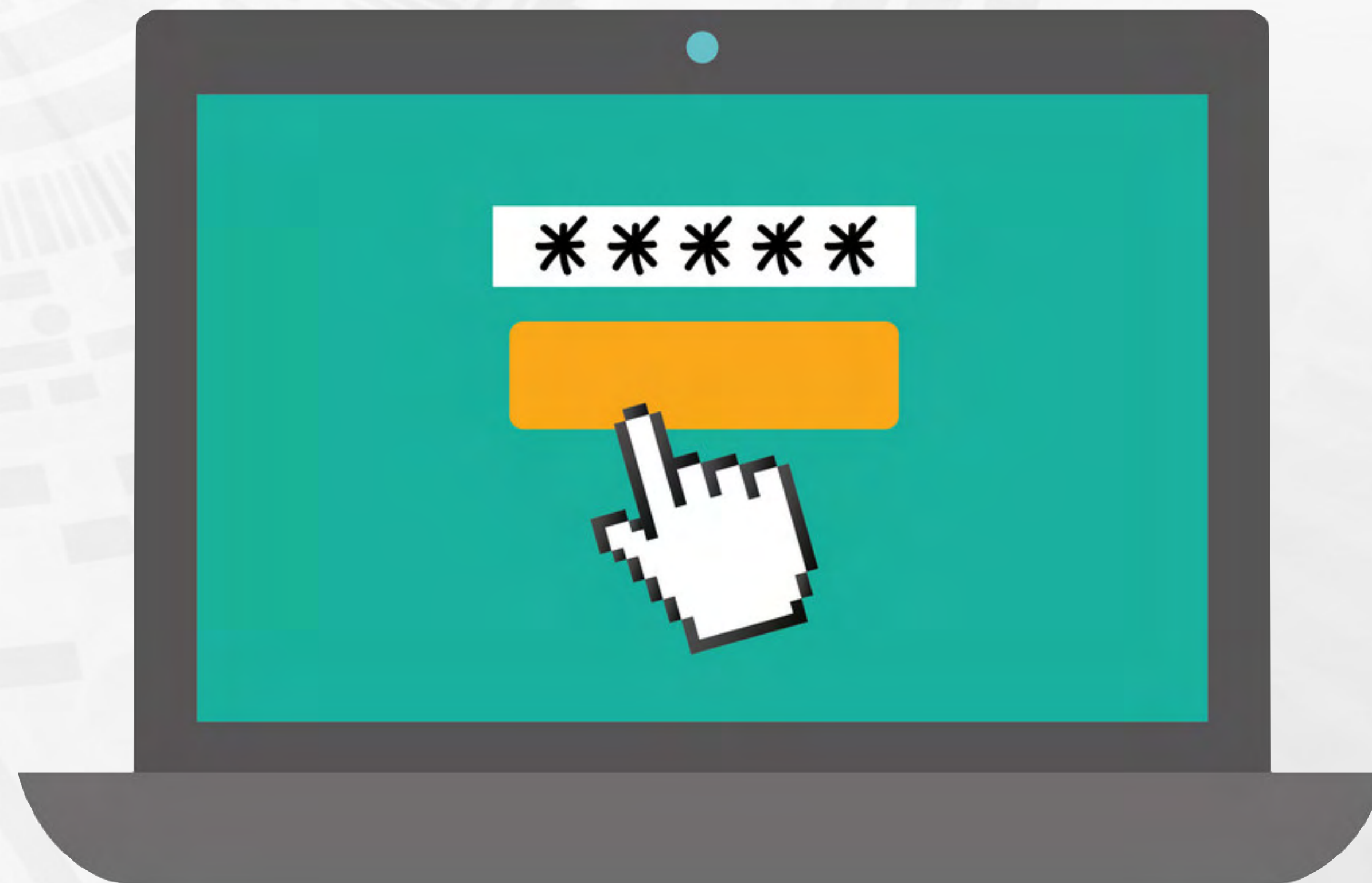
CRITICAL: Keep your software up-to-date

- Apple and Microsoft send out security updates FOR A REASON.
- They patch unknown and known vulnerabilities.
- Most ransomware attacks exploit systems that haven't been updated.

Most attacks are entirely preventable

“This attack demonstrates the degree to which cybersecurity has become a **shared responsibility** between tech companies and customers. The fact that so many computers remained vulnerable **two months after the release of a patch** illustrates this aspect. As cybercriminals become more sophisticated, there is simply **no way for customers to protect themselves against threats unless they update their systems.**” - Microsoft, 2017

Password protect computers and phones



Password Policy is Critical

Most common passwords in the US are
“123456” and “password”

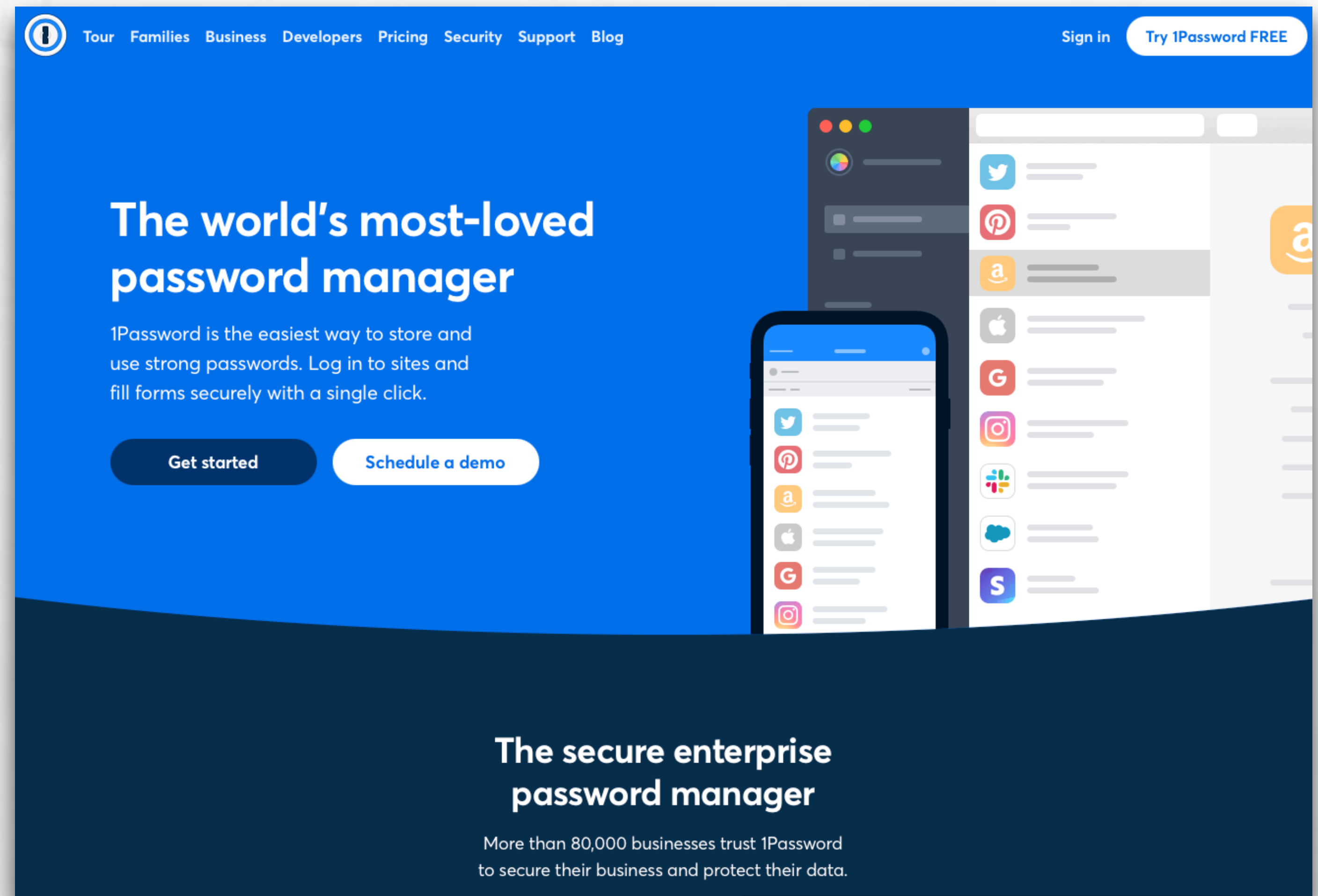
Larry's Password Tips

- Use numbers or symbols in place of similarly shaped letters: 3 for E, @ for A, \$ for S, 1 for l, 7 for T, 2 for Z.
- Use 2, 4, 8 as words
- Combine words
- No-no's: birthdays or pets

**P1zza4Free!
S1ghts2\$ee
i8TheC@ndy**

But better yet - use a password tool

- Stores encrypted passwords
- Allows you to push password changes to your team
- Available on Mac, PC, phones, etc.



Use encryption whenever possible



Use encryption whenever possible (https, vpn)

1

PAUL K. CHARLTON
United States Attorney
District of Arizona

2

SUZANNE M. CHYNOWETH
Assistant U.S. Attorney
Arizona State Bar No. 6835
Two Renaissance Square
40 North Central Avenue, Suite 1200
Phoenix, Arizona 85004-4408
Telephone: (602) 514-7500
Facsimile: (602) 514-7760
E-Mail: suzanne.chynoweth@usdoj.gov

UNITED STATES DISTRICT COURT
DISTRICT OF ARIZONA

Alexander Jung,

Plaintiff,

v.

John Potter, Postmaster General, U.S. Postal
Service,

Defendant.

CIV-04-0429-PHX-MHM

**DEFENDANT'S STATEMENT OF
UNDISPUTED FACTS IN SUPPORT
OF HIS MOTION FOR SUMMARY
JUDGMENT**

Defendant, John E. Potter, pursuant to Fed.R.Civ.P. 56 and L.R. Civ. 56.1, submits the following Statement of Facts in support of his Motion for Summary Judgment filed herewith. This Statement of Facts ("SOF") is supported by Exhibits A through KK as set forth in the attached Index to Exhibits.

Background Re: Plaintiff

1. Plaintiff, Alexander Jung, is a Korean-American male born February 1, 1965, who served in the United States Army from October 29, 1986 until October 29, 1989. [Plaintiff's Statement of Facts, ¶ 1.]

2. During and after the Army, Plaintiff reported problems with his knees and claimed that he suffered a service connected disability for which he sought benefits from the Department of Veterans Affairs (VA) in 1995, but was not awarded any disability benefits until July 13, 2000, when the VA increased his level of service connected disability for each knee

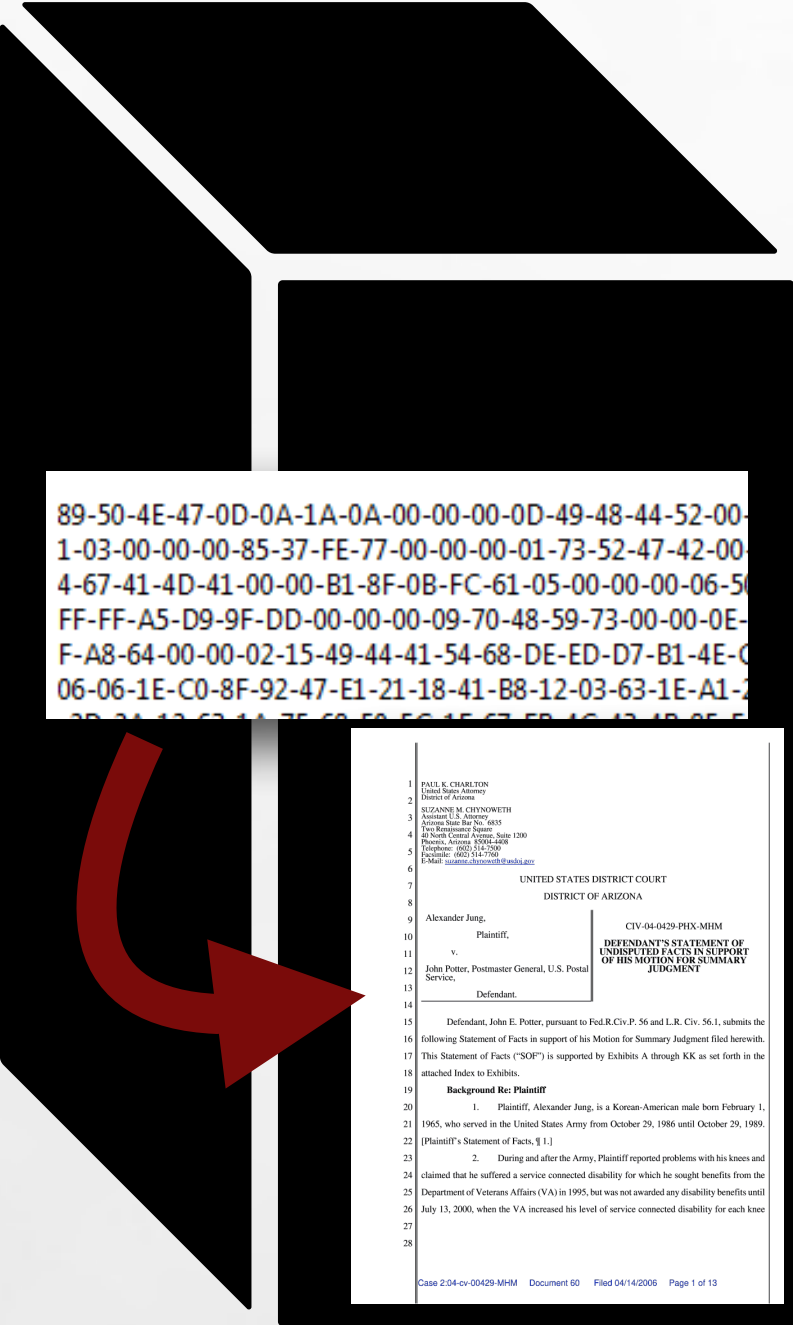
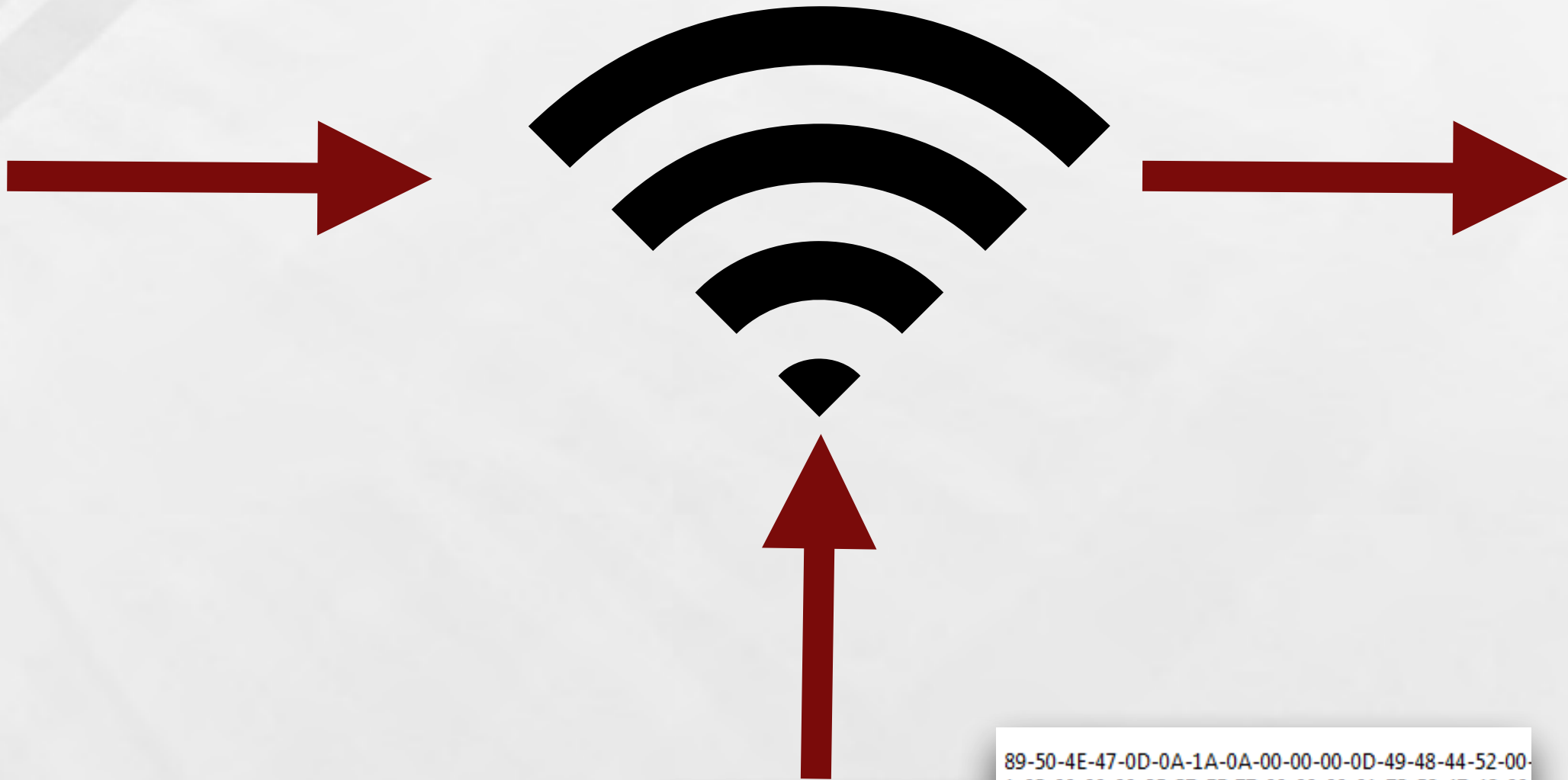
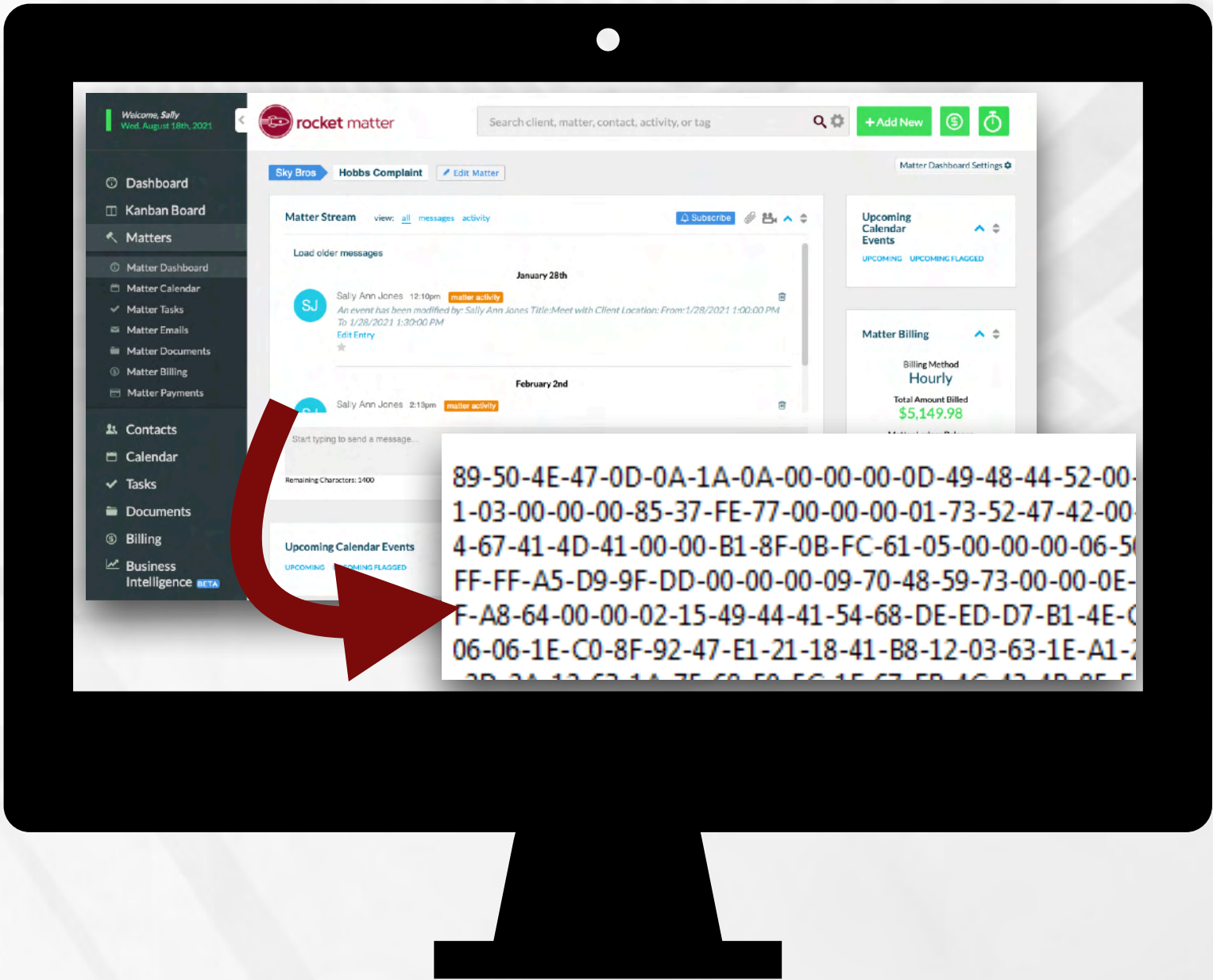
Case 2:04-cv-00429-MHM Document 60 Filed 04/14/2006 Page 1 of 13

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HTTPS - Secure Browsing



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rocket matter

Thank You!

Course number 5523

Approved for 1 hour of General CLE including 1.0 hours
of Technology

Larry Port | larry.port@rocketmatter.com