



Gluu Tech Talk

Protecting Your Privacy Online

Presented by
Linda Fawcus, Founder
Gluu Technology Society

GluuSociety.org



You Are the Target of Hackers

Don't ever say "*It won't happen to me*". We are all at risk and the stakes are high - to your personal and financial well-being, and your reputation.

2019 WORLDWIDE

DISTURBING TRENDS

Anyone with a presence online can be the victim of a cyber attack

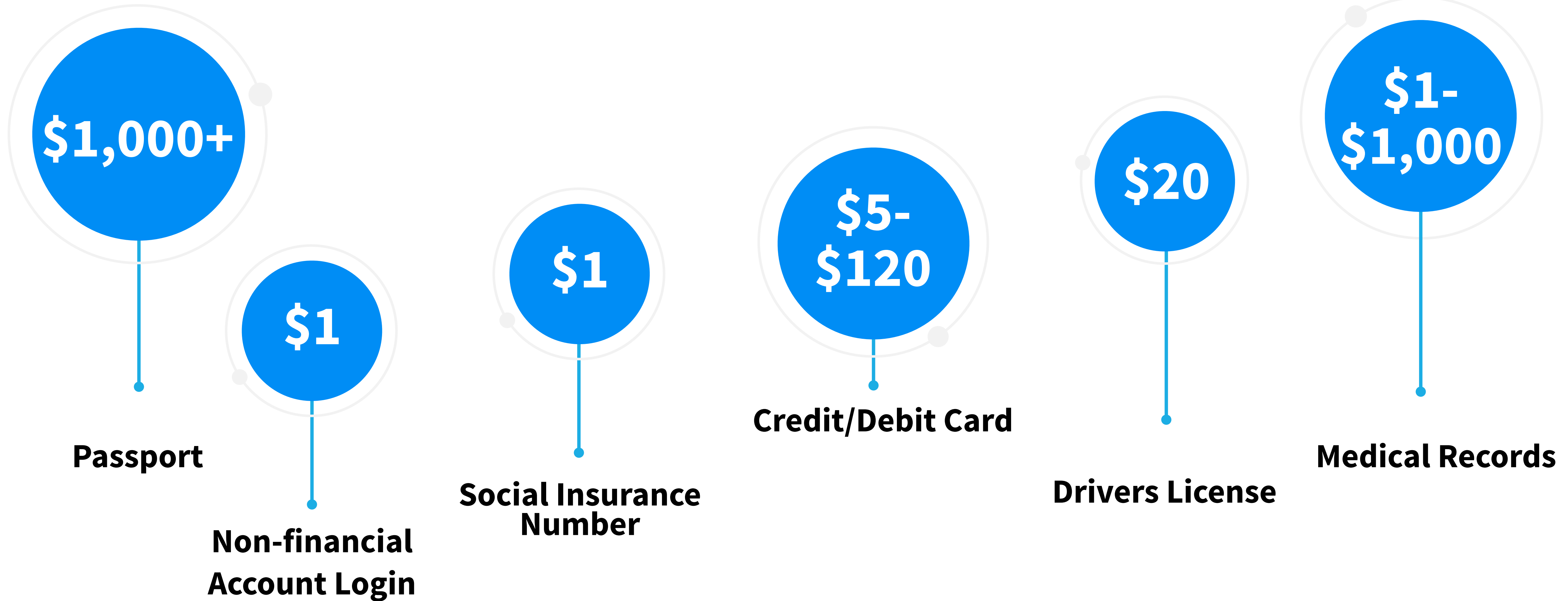
**4 BILLION
PERSONAL RECORDS
STOLEN**



How Much Does Your Data Cost on the Dark Web?

About \$50

What Does Your Data Cost?



How to protect yourself

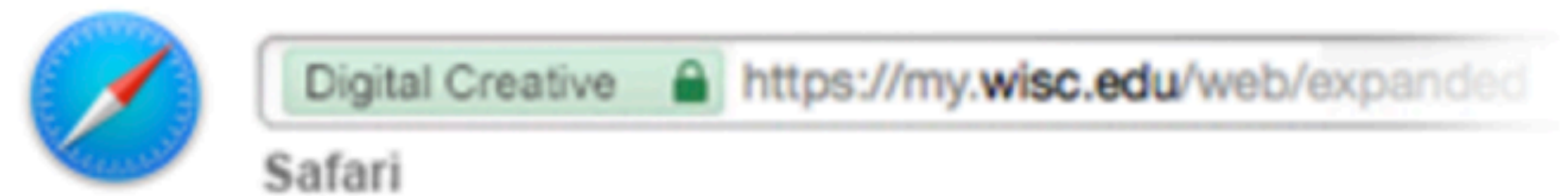
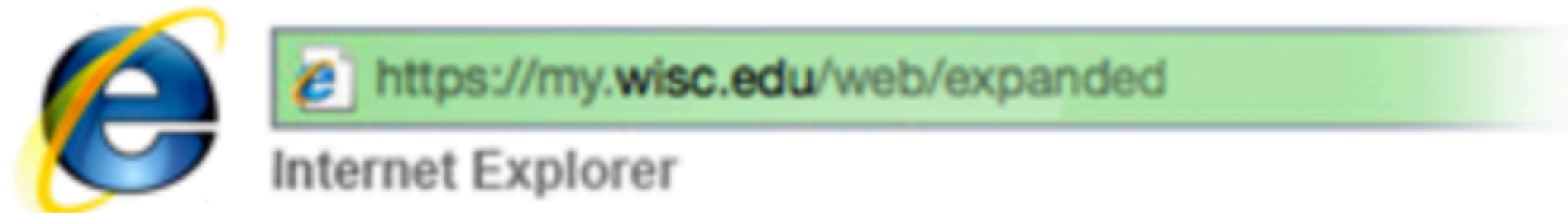
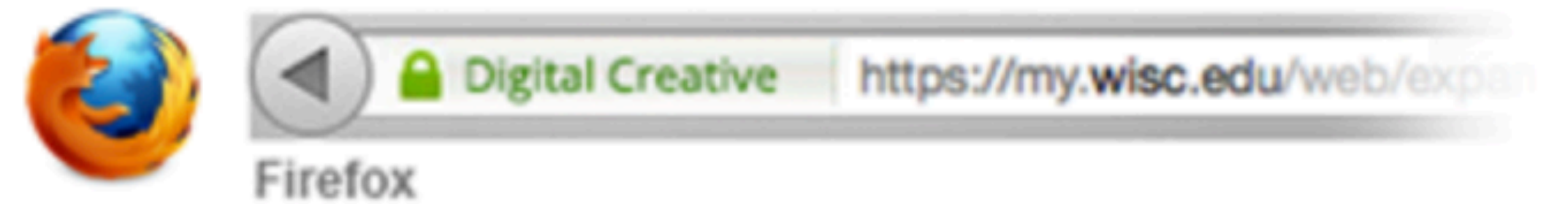
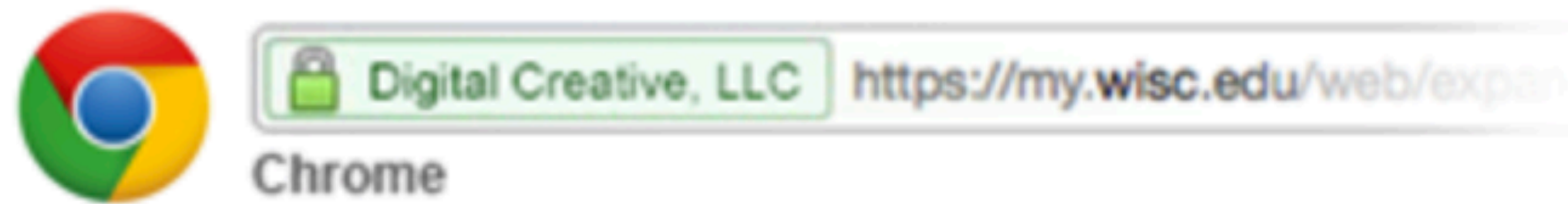


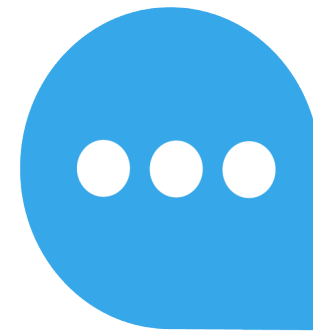


Only Use Secure Websites for Sensitive Transactions

You can tell if you're using a secure website by looking at the beginning of the website address. It should begin with **https://** – the **s** means 'secure'.

This Is What Secure Website Look Like





Do Not Click on Links Unless 100% Sure of Sender

Cybercriminals use AI technology trick you into clicking on a fraudulent email.



Hello!, Thanks for
commenting on my videos!
I am selecting random user
from my subscriber list for
surprise gift and you have
just won it! so here is link to
redeem it

<https://t.co/OmeYFW2637>

James Charles



4. August 2017

Congratulations!

You have been selected to take part in our short survey to get 2 Free WestJet Airline Tickets! We only have 332 Tickets remaining so hurry up!

**2/3: You prefer WestJet
Airline because of?**

It's Cheapness

It's Environment

Don't Know

Contact: [Free Coupon](#) - Starbucks.com



4. December 2017

Congratulations!

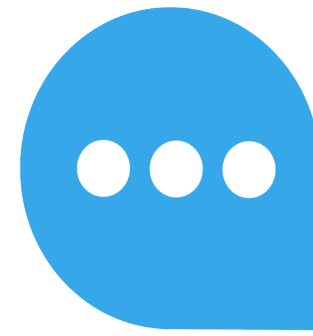
You have been selected to take part in our short survey to get a Free \$50 Coupon at Starbucks! We only have 332 coupons's remaining so hurry up!

1/3: Have you ever visited at Starbucks?

Yes

No

Don't remember



Ignore Phone Calls From Unknown Numbers

Update Address Book or Contacts to easily identify known numbers, even on land line phones.

“Hello, I am from the Microsoft technical support division and I am calling you because we have detected some problems with your computer. This is very important – I need you to go and turn your computer on right away...”



"Comantra the Solution expert"

Where you interact with certified technicians and get your solution in an instant

Quick Help With Your Computer Issues

- Windows Operating Systems
- MS Office Support
- Email
- Multimedia Softwares
- Internet Browsing
- Compression Softwares
- CD/DVD Burning Softwares

[More](#)

How remote computer support works:





Use Strong Passwords

Find a system that helps you create and use strong passwords on all your online accounts. Each account needs a unique password.

Maui2018

Average Home Computer:

19 Minutes

M@ui2018

Average Home Computer:

3 Hours

HJm-4769-#&d-nk*dvb

Average Home Computer:

10,000+ Centuries

Russian Hacking Factory





Be Careful How You Record Passwords

If you must write down a password, use a hint or clue to identify account. Be sure to store written passwords in a secure, locked place.



Use a Password Manager

LastPass

DashLane

1Password

iCloud Keychain*



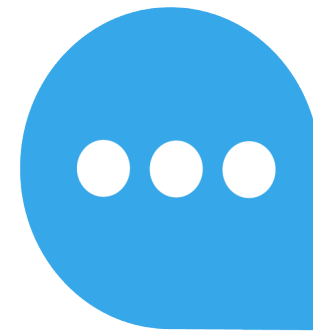
Use Two-Step Authentication

Most banks and major social networks provide this option. Requires two steps to get into your account: a password and a number only you have access to.



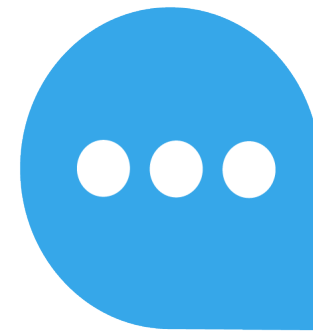
Keep Operating Systems Up to Date

Updates contain critical security patches that protect your device from new threats. Failing to install updates means your device is at risk.



Train Your Inbox

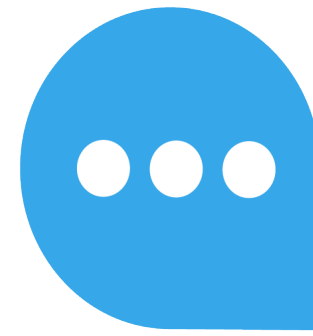
- Mark suspicious email messages as Junk or move suspicious emails to your Junk Folder
 - Move “good” email to your Inbox
- Add trusted contacts to your Address Book



Train Yourself

Ignore email from unknown senders.

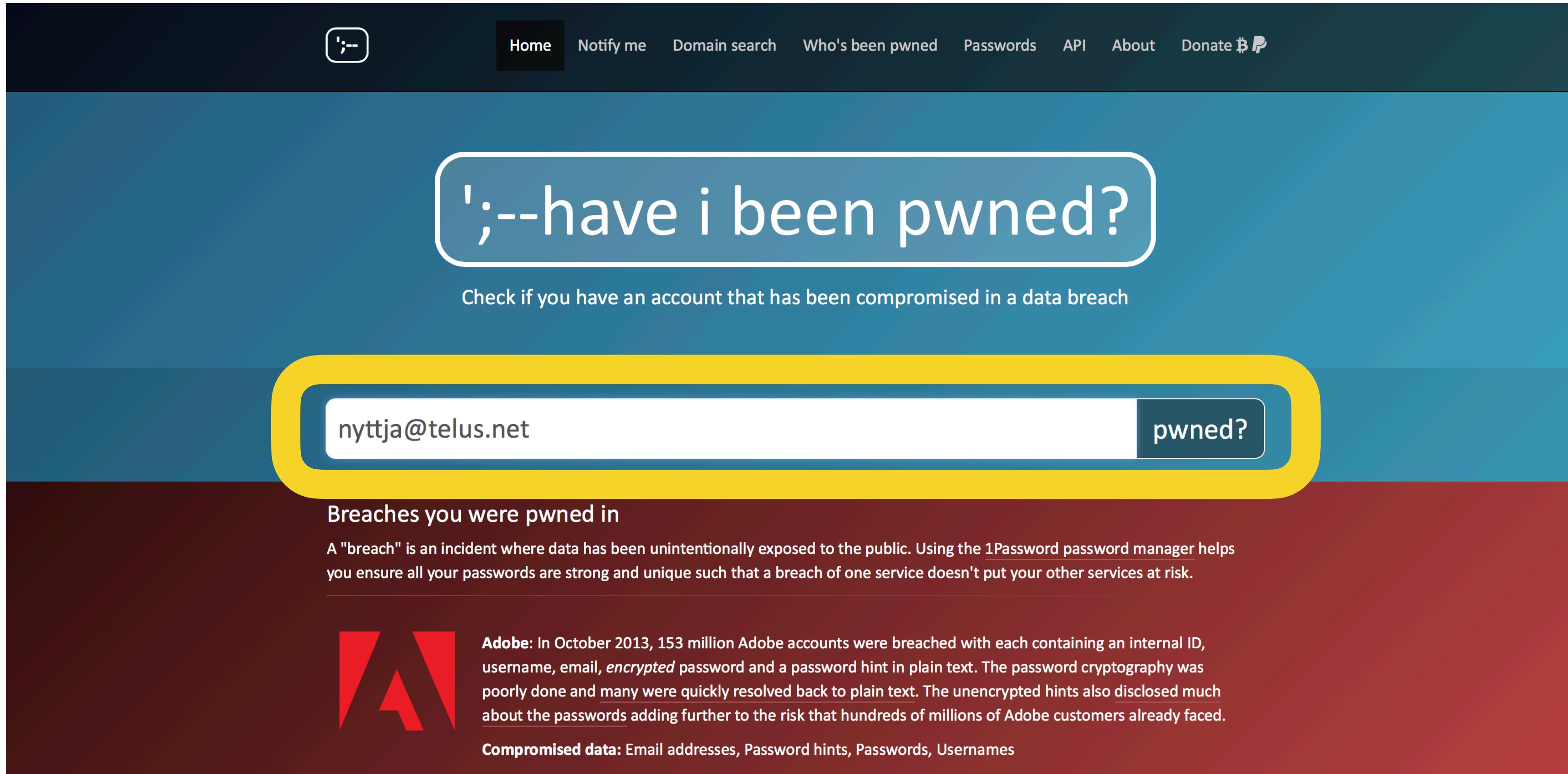
You can read these emails, but don't click on anything in them. When you have identified they are suspicious banish them to Junk.



haveibeenpwned.com

See if your email address and password have been stolen as part of a Data Breach. This website is run by Troy Hunt, past Microsoft Regional Director and Most Valuable Professional awardee for Developer Security & respected IT professional.

haveibeenpwned.com



The screenshot shows the homepage of haveibeenpwned.com. At the top, there is a navigation bar with links for Home, Notify me, Domain search, Who's been pwned, Passwords, API, About, and Donate. Below the navigation bar is a large blue banner with the text "';--have i been pwned?" and a subtext "Check if you have an account that has been compromised in a data breach". A yellow rounded rectangle highlights a search input field containing the email address "nyttja@telus.net" and a "pwned?" button. Below the search field, there is a section titled "Breaches you were pwned in" with a definition of a breach and a list of breaches, including Adobe.

Home Notify me Domain search Who's been pwned Passwords API About Donate ₿ P

';--have i been pwned?

Check if you have an account that has been compromised in a data breach

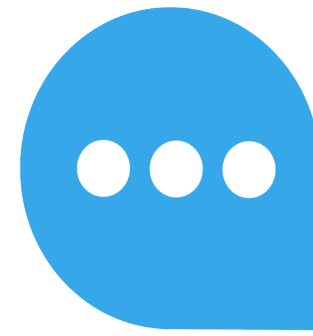
nyttja@telus.net pwned?

Breaches you were pwned in

A "breach" is an incident where data has been unintentionally exposed to the public. Using the [1Password password manager](#) helps you ensure all your passwords are strong and unique such that a breach of one service doesn't put your other services at risk.

Adobe: In October 2013, 153 million Adobe accounts were breached with each containing an internal ID, username, email, *encrypted* password and a password hint in plain text. The password cryptography was poorly done and many were quickly resolved back to plain text. The unencrypted hints also disclosed much about the passwords adding further to the risk that hundreds of millions of Adobe customers already faced.

Compromised data: Email addresses, Password hints, Passwords, Usernames



Get Another Email Address

Consider email addresses dedicated to specific accounts: Newsletters, Banking/Finance, Shopping, Friends, Family. This makes it easier to get rid of an email address **WHEN** it is stolen.

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ARE HACKERS SELLING YOU ON THE DARK WEB? Page 55

SOLVE YOUR P@\$\$WORD PROBLEMS Page 62

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Skill Levels

Shipping costs may apply.
Please contact Sacha Molby,
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ARE YOU BEING SOLD ON THE DARK WEB?

Billions of data records have been stolen and are circulating on the dark web. It's important to know if your personal information is among them.

Hackers are hard at work, stealing billions of data records annually to sell on the dark web. When website data is exposed to the public and is likely in the hands of hackers it is called a breach. A breach contains data records that can include email addresses, passwords, and more. It's important to know if your data has been part of a breach, so you can take steps to protect your online accounts.

Let us introduce you to a Gluu favourite website, and one we discuss in every Gluu Digital Security Class - **havebeenpwned.com**. This website was developed by Troy Hunt, an Australian web security expert and Microsoft Regional Manager in Australia. You can use it to see if your email address and password have been part of a data breach somewhere on the web. Password Manager apps, like 1Password, use this website to check their client's accounts, but you can do it yourself, for free. Instructions

havebeenpwned.com is a website you can trust. Any information you provide is anonymized, so the website never sees your actual email or password - the magic of technology.

Request a Gluu Digital Security Class. Visit gluu.srdigital-security

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APPLE: CHROME BROWSER CHANGE YOUR SEARCH ENGINE

If you want to find information on the web, you need a search engine. Google makes the best one on the planet, but it vacuums up data like nothing else. To control how much Chrome learns about you, consider changing its search engine.

Gluu Q&A What search engine should I use with Google Chrome?
Chrome gives you five options: Google, Yahoo! Canada, Yahoo! Quebec (multiple owners), Bing Microsoft, and DuckDuckGo (owned by Gabriel Weinberg). The most popular choices within the Gluu Community are Google and DuckDuckGo. Give them all a try and see what sticks.



- Step 1**
Open the Chrome Browser.
Tap on the...
- Step 2**
Tap on Settings.
- Step 3**
Tap on Search Engine.
- Step 4**
Select the search engine you want to use. You can only have one. The blue checkmark shows which search engine you are using.
- Step 5**
Tap Done.
- Step 6**
Go back home by tapping the blue text in the top left corner on each screen until you see Settings at the top of the screen. Tap your home button, and get surfing!

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Digital Life



With funding from **Canada**



SIR TIM BERNERS-LEE TO SAVE WI-FI PHEW

The inventor of the...
sure our online world...

Sir Tim Berners-Lee invented the...
31 years ago and made the first...
August 6, 1991. Today, his attention...
saving his creation from political...
news, privacy violations, and bad act...

Last year, Berners-Lee's Web Foundation published...
the Contract for the Web with the backing of...
more than 150 organizations, from Microsoft,
Twitter, Google, and Facebook to the digital rights...
group the Electronic Frontier Foundation. Gluu...
Technology Society is also a backer of the Contract.



WIRELESS ROUTER

...influenced by the...
with your ISP to...
have is their newest...
upgrade.

HAVEIBEEPWNED.COM SEE IF YOUR PASSWORD HAS BEEN STOLEN



Knowing if your passwords have been viewed by hackers is crucial. At Gluu, we use the secure website haveibeenpwned.com, to make sure any password we come up with is not on a hacker's list of passwords. See Page 56 for more information.

Gluu Q&A What should I do if my password has been stolen?
You will have to change your passwords on all online accounts. Consider getting a Password Manager to help with this process. See Page 62 & 63 for more information.



- Step 1**
From any browser and on any device, go to the following website: haveibeenpwned.com.
- Step 2**
Tap on the hamburger icon (top right) ☰.
- Step 3**
Tap on **Passwords**.
- Step 4**
Tap on the white bar (middle of screen).
- Step 5**
Enter the password you want to check. This is a secure website, which is why the characters you enter turn into black balls right away.
- Step 6**
In the example above, a red box is displayed. That means the password entered in Step 5 has been seen by hackers. If you see a red box, scroll to the bottom of this screen to see what breaches your password and other data was part of.
If a green box is displayed, that means so far your password has not been seen by hackers.
Gluu Tip: The password we used in this example was *password*. It has been viewed by hackers 3,700,000+ times. Not a great choice.

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Thanks for watching.

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