



Keep your club safe!

Cybersecurity tips

WELCOME



Keep your club safe!

Cyber security tips

Presenter Name

Role



Keep your club safe!

Cyber security tips





Cyber Security

Hackers will call your phone!

Never give out information over the phone, through email or in person unless the requestor's identity is confirmed.

Instead, call the company back via a published phone number.



Cyber Security

Club Website Content Tips



Cyber Security

**If you publish personal information on
your website – hackers will probably find
it and use it to launch an attack!**



Cyber Security

- **Never place personal information including email addresses, rosters, officer lists or district directories on your website**
- **Never upload (PDF, Excel, Word, etc.) personal member information on your website**
- **Use contact forms instead of email addresses on your website**
- **Same rules apply to all social media pages like Facebook**



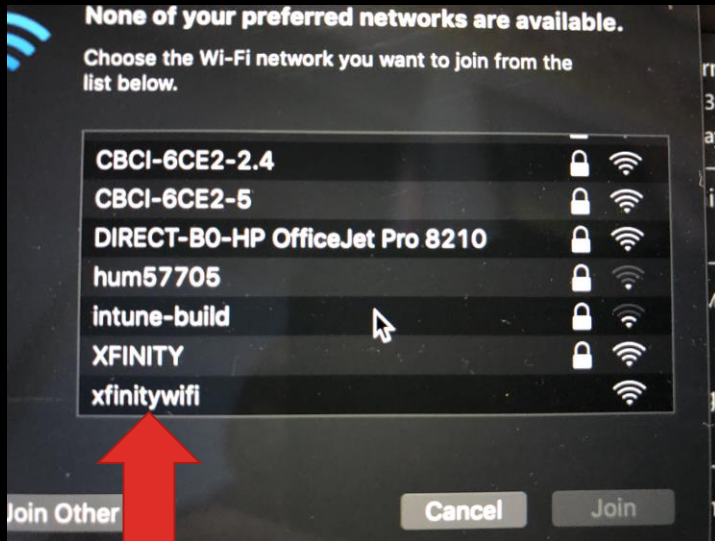
CYBER SECURITY

- Don't use airport charging stations
- Data access and charging both go through the USB port so hackable
- Use a portable charger instead





CYBER SECURITY



- Don't use untrusted wifi networks
- Hackers can impersonate as a known network and then hack your device and steal your information
- Use your phone hotspot instead



Keep your club safe!

Cyber security tips



PHISHING



Cyber Security

Phishing

An attempt to obtain sensitive information such as

- **Username**
- **Password**
- **Contact lists**
- **Credit card details**

by masquerading as a trustworthy source



Cyber Security

Phishing

Often done using

- Email
- Instant messaging
- Texting
- Phone calls



Cyber Security

The biggest security problem online

**Phishing accounts for 90 to 95%
of security threats**



Cyber Security

Phishing victims might be tricked into clicking a link through to a fake webpage.

The aim is persuading the user to enter personal information.



Cyber Security

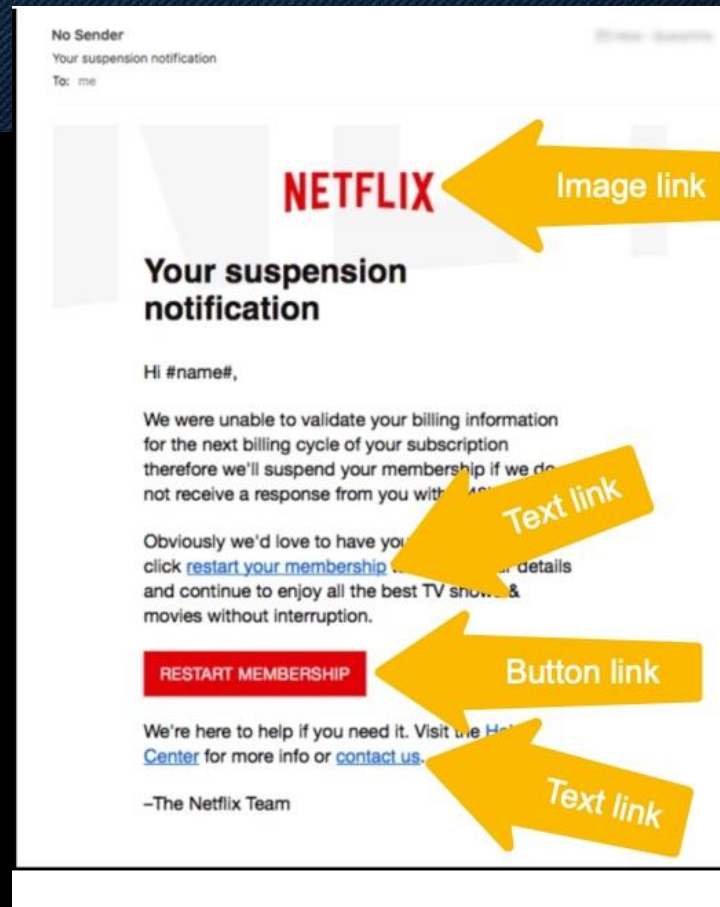
A link can be in the form of a:

- **Text link**
- **Button link**
- **Image link**



Cyber Security

Example of a Netflix
Phishing email





Cyber Security

**It's estimated that an average of
1.4 million phishing websites are created
every month.**



Cyber Security

Some victims are tricked into downloading and installing malware including ransomware and spyware



Cyber Security

Some Definitions

- **Malware** – Any malicious software used to exploit and do harm to a computer, computers or a network.
- **Ransomware** – A malware that holds computer files hostage until ransom paid.
- **Spyware** – A malware that records keystrokes and user activity and sends data to the hacker for exploitation.
- **Social Engineering** - Art of manipulating, influencing, deceiving you to take action not in your or your business' best interest.





Cyber Security

Common Phishing techniques include offers of prizes won in fake competitions such as lotteries or contests by retailers offering a 'discount code' or a 'giveaway prize'.



Cyber Security

In order to 'win' the prize, the victims are asked to enter their details such as name, date of birth, address and bank details in order to claim. But there's no prize, and all they've done is put their personal details into the hands of hackers.



Cyber Security

Phishing attempts claim to be from popular retail, social, government, banks and auction websites – attempting to trick the unsuspecting person.



Cyber Security

Spear Phishing

- **Key individual(s) or organization are targeted to gain valuable information other than credit card data.**
- **Targets are researched to make the attack more personalized and increase chances of success.**
- **Phishers gain trust, then exploit that trust to gain information or access.**



Cyber Security

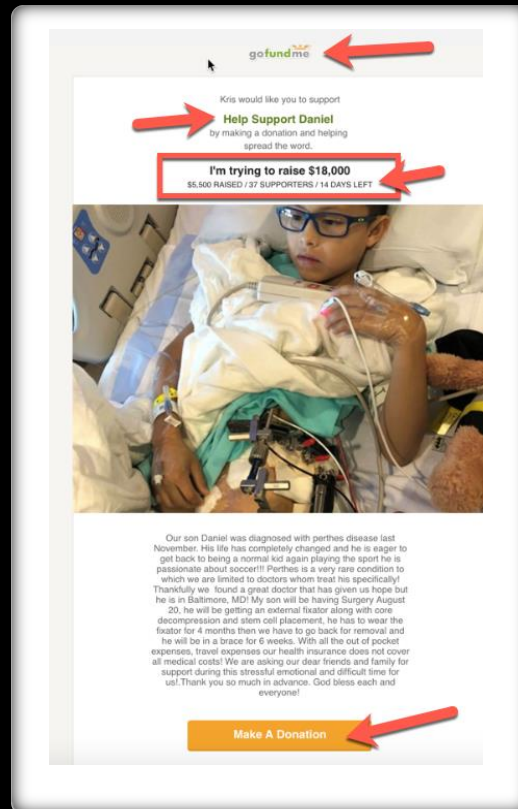
Spear Phishing attempts claim to be from friends, coworkers, your HR department, your IT administrator – attempting to lure the unsuspecting person through a false sense of trust.

CYBER SECURITY

Actual Spear Phishing
Attack on a Kiwanis
District

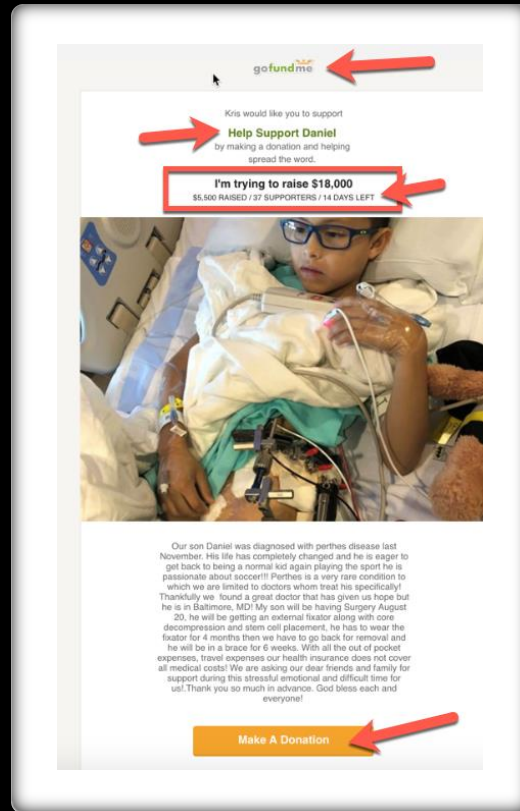
Appeared to come from
Governor

Sent to members in the
district



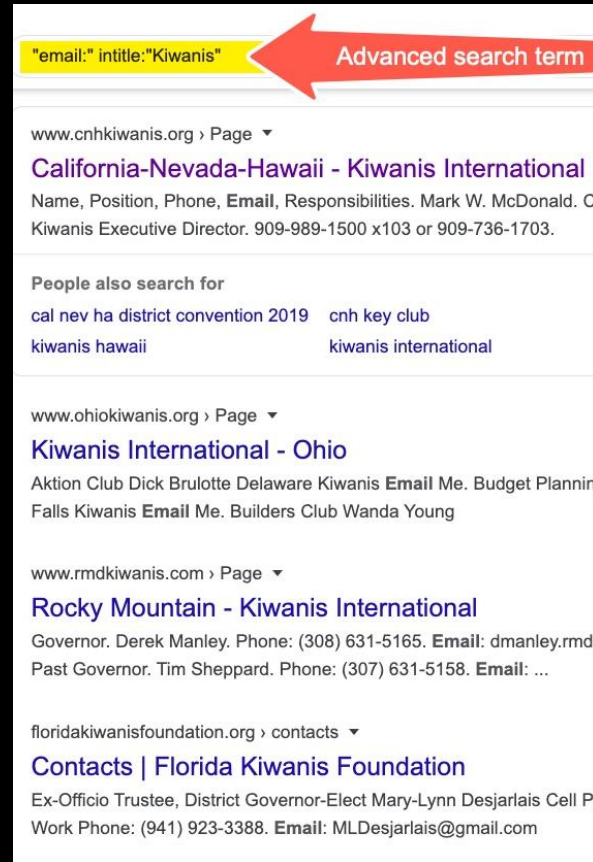
CYBER SECURITY

How did the
hackers do it?



CYBER SECURITY

Advanced Search in Google



"email:" intitle:"Kiwanis" **Advanced search term**

www.cnhkiwanis.org › Page ▾
California-Nevada-Hawaii - Kiwanis International
Name, Position, Phone, **Email**, Responsibilities. Mark W. McDonald. Ca
Kiwanis Executive Director. 909-989-1500 x103 or 909-736-1703.

People also search for
cal nev ha district convention 2019 cnh key club
kiwanis hawaii kiwanis international

www.ohiokiwanis.org › Page ▾
Kiwanis International - Ohio
Aktion Club Dick Brulotte Delaware Kiwanis **Email** Me. Budget Planning
Falls Kiwanis **Email** Me. Builders Club Wanda Young

www.rmdkiwanis.com › Page ▾
Rocky Mountain - Kiwanis International
Governor. Derek Manley. Phone: (308) 631-5165. **Email**: dmanley.rmd@
Past Governor. Tim Sheppard. Phone: (307) 631-5158. **Email**: ...

floridakiwanisfoundation.org › contacts ▾
Contacts | Florida Kiwanis Foundation
Ex-Officio Trustee, District Governor-Elect Mary-Lynn Desjarlais Cell PH
Work Phone: (941) 923-3388. **Email**: MLDesjarlais@gmail.com



CYBER SECURITY

This search returns any pages that mention "email:" and have "Kiwanis" in the page title.

"email:" intitle:"Kiwanis"

Advanced search term

www.cnhkiwanis.org › Page ▼

California-Nevada-Hawaii - Kiwanis International

Name, Position, Phone, **Email**, Responsibilities. Mark W. McDonald. Ca
Kiwanis Executive Director. 909-989-1500 x103 or 909-736-1703.

People also search for

[cal nev ha district convention 2019](#) [cnh key club](#)

[kiwanis hawaii](#) [kiwanis international](#)

www.ohiokiwanis.org › Page ▼

Kiwanis International - Ohio

Aktion Club Dick Brulotte Delaware Kiwanis **Email** Me. Budget Planning
Falls Kiwanis **Email** Me. Builders Club Wanda Young

www.rmdkiwanis.com › Page ▼

Rocky Mountain - Kiwanis International

Governor. Derek Manley. Phone: (308) 631-5165. **Email**: dmanley.rmd@
Past Governor. Tim Sheppard. Phone: (307) 631-5158. **Email**: ...

floridakiwanisfoundation.org › contacts ▼

Contacts | Florida Kiwanis Foundation

Ex-Officio Trustee, District Governor-Elect Mary-Lynn Desjarlais Cell PH
Work Phone: (941) 923-3388. **Email**: MLDesjarlais@gmail.com

CYBER SECURITY

Attackers now have what they need to launch a Spear Phishing attack!

Email	Responsibilities
Email Mark	Executive Officer for t
Email Jennifer	Foundation Conferenc Foundation Communi Fund Development & I Pediatric Trauma Prog with Partner Hospitals
Email Pete	Foundation Minutes a Foundation Accountin Cal-Nev-Ha Investors Kiwans Professional
Email Christy	Mid-Year Conference Accounting for Kiwan Governor's Team Attir
Email Bruce	SLP Conferences, Cor SLP Scholarship Appl SLP New Club Buildin
Email Trina	Mid-Year Conferences District Meetings and C District Directory

CYBER SECURITY


Next, the attacker creates an email that resonates with Kiwanians and sends it out, impersonating a Kiwanian.

gofundme

Kris would like you to support

Help Support Daniel
by making a donation and helping spread the word.

I'm trying to raise \$18,000
\$5,500 RAISED / 37 SUPPORTERS / 14 DAYS LEFT



Our son Daniel was diagnosed with perthes disease last November. His life has completely changed and he is eager to get back to being a normal kid again playing the sport he is passionate about soccer!!! Perthes is a very rare condition to which we are limited to doctors whom treat his specifically! Thankfully we found a great doctor that has given us hope but he is in Baltimore, MD! My son will be having Surgery August 20, he will be getting an external fixator along with core decompression and stem cell placement, he has to wear the fixator for 4 months then we have to go back for removal and he will be in a brace for 6 weeks. With all the out of pocket expenses, travel expenses our health insurance does not cover all medical costs! We are asking our dear friends and family for support during this stressful emotional and difficult time for us! Thank you so much in advance. God bless each and



Cyber Security

**How can I keep from
becoming a victim of Phishing?**



Cyber Security

Look for **RED FLAGS**.

Reg flags warn you to **STOP**.



Cyber Security

Red Flags of Phishing emails

- Phishing emails cause an emotional response
- They create urgency – **act NOW!**
- They may carry a threat – something bad will happen if you don't **act NOW.**



Cyber Security

Red Flags of Phishing emails

- They appear to be from a trusted source
- Make promises too good to be true
- Contain links and direct you to click these links
- Often contain malicious malware attachments
- Often contain typos



Cyber Security

RED FLAGS – What to look for

- First of all, **STOP** and **THINK**



Cyber Security

Anatomy of an email

- "From:" line



Cyber Security

Anatomy of an email

- "From:" line
- "To:" line



Cyber Security

Anatomy of an email

- "From:" line
- "To:" line
- "Subject:" line



Cyber Security

Anatomy of an email

- "From:" line
- "To:" line
- "Subject:" line
- Date & time sent



Cyber Security

Anatomy of an email

- "From:" line
- "To:" line
- "Subject:" line
- Date & time sent
- Content



Cyber Security

Anatomy of an email

- **"From:" line**
- **"To:" line**
- **"Subject:" line**
- **Date & time sent**
- **Content – Links (text, images and buttons)**



Cyber Security

Anatomy of an email

- **"From:" line**
- **"To:" line**
- **"Subject:" line**
- **Date & time sent**
- **Content – Links & attachments**



Cyber Security

RED FLAGS – What to look for

"FROM:" line

- From an unknown address
- If you know the sender but the email is unexpected or out of character



Cyber Security

From Costco <manager@eeag.sakura.ne.jp> ☆

Subject **Scheduled Home Delivery Problem**

To [REDACTED]

Costco
WHOLESALE

Unfortunately the delivery of your order [COS-0053845859](#) was cancelled since the specified address of the recipient was not correct. You are recommended to complete [this form](#) and send it back with your reply to us.

Please do this within the period of one week - if we dont get your timely reply you will be paid your money back less 18%.

1998-2014

Costco Wholesale Corporation

All rights reserved



Cyber Security

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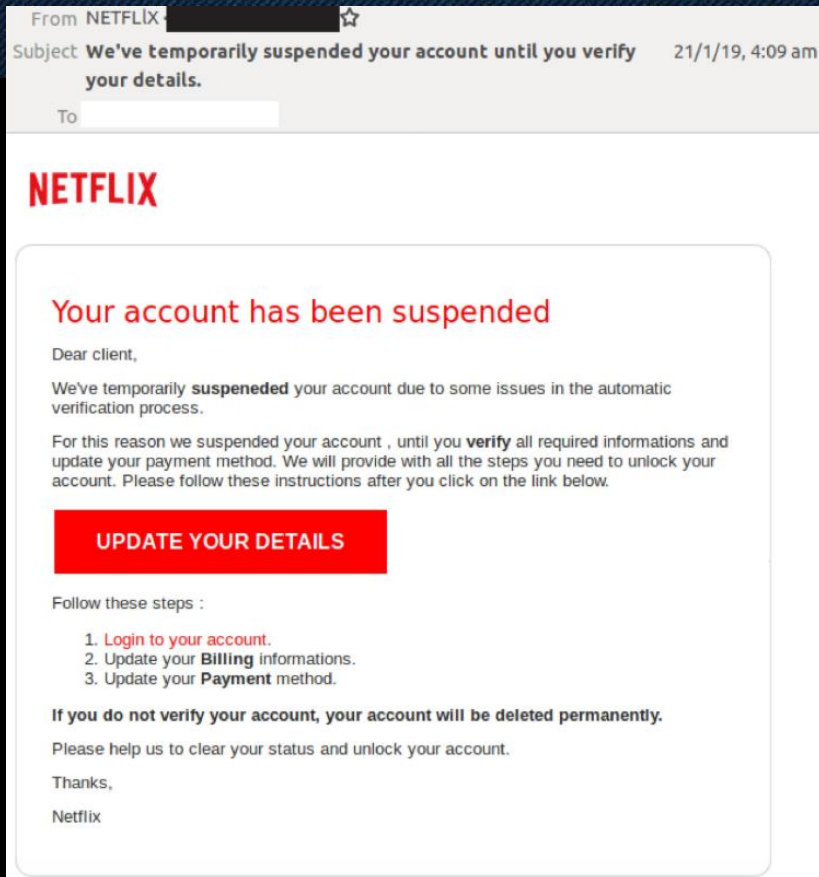
1998-2014

Costco Wholesale Corporation

All rights reserved

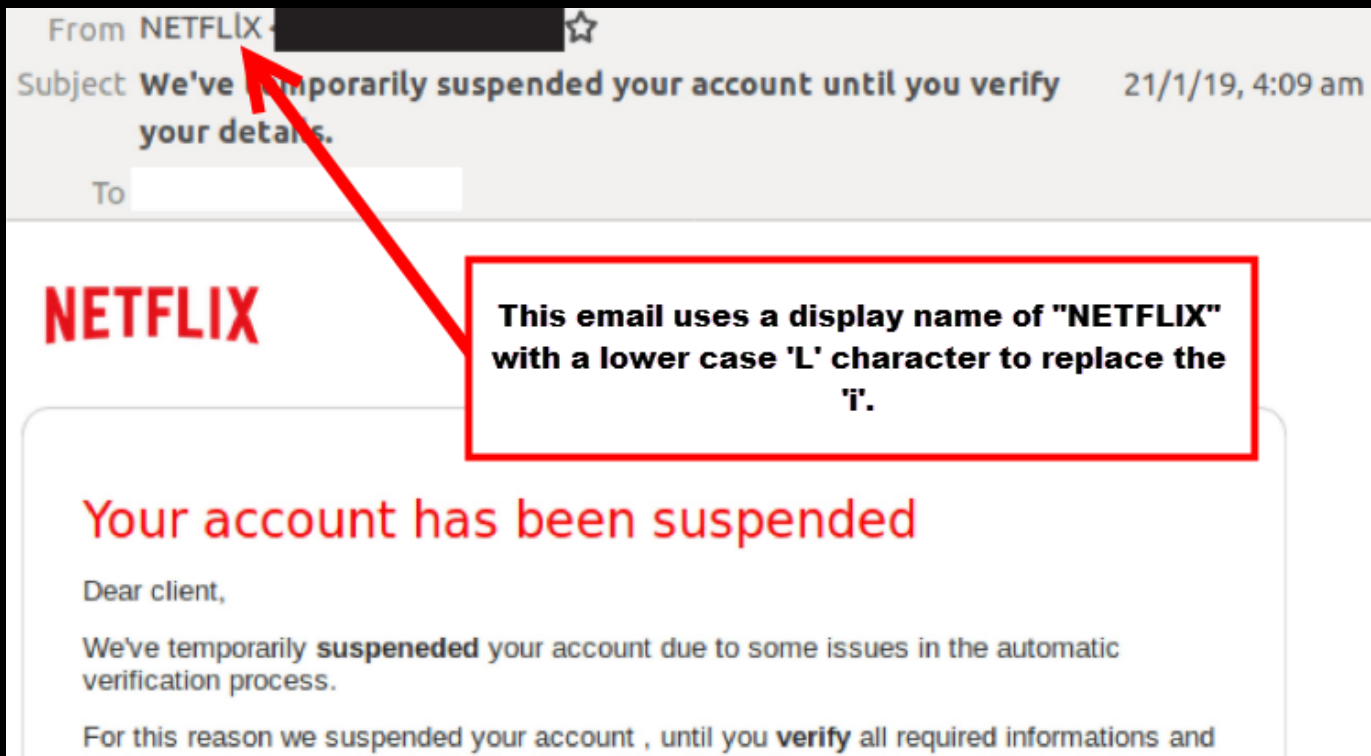


Cyber Security





Cyber Security





Cyber Security

To: line

- **You were copied on an email and you don't know the other people it was sent to.**
- **A generic greeting is used – not your name.**



Cyber Security

Date: line

- **Receive an email you would normally get during normal business hours, but it was sent at 3 a.m.**



Cyber Security

Subject: line

- **The subject line of an email is not relevant or doesn't match the message content.**
- **An email about something you never requested or a receipt for something you never purchased.**



Cyber Security

Content of email

- **Sender is asking you to click on a link or open an attachment to avoid a negative consequence**
- **You have an uncomfortable feeling, or it just seems odd or not logical.**



Cyber Security

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Cyber Security

The email is deliberately trying to get an emotional response from you.

Good or Bad



Cyber Security

Hyperlinks (links)

- Look for misspellings
- Email contains hyperlinks asking you to take an action
- Text, images and buttons can contain malicious hyperlinks





Cyber Security

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To [REDACTED]



Unfortunately the delivery of your order [COS-0053845859](#) was cancelled since the specified address of the recipient was not correct. You are recommended to complete [this form](#) and send it back with your reply to us.

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Cyber Security

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Please do this within the period of one week. If we dont get your timely reply you will be paid your money back less 18%.



Cyber Security



Social Security

Attention:

Due to the recent cyber attack on our Social Security Administrative database, we advise that all United State SSN holders should update their SSN details for safety and security purpose.

We need your help to complete this security update by re-updating your information online.

[CLICK HERE to proceed with your SSN Update](#)

You will need to provide us with all information require.

Regards,

Social Security Administrator
United States of America



Cyber Security

OH NO!

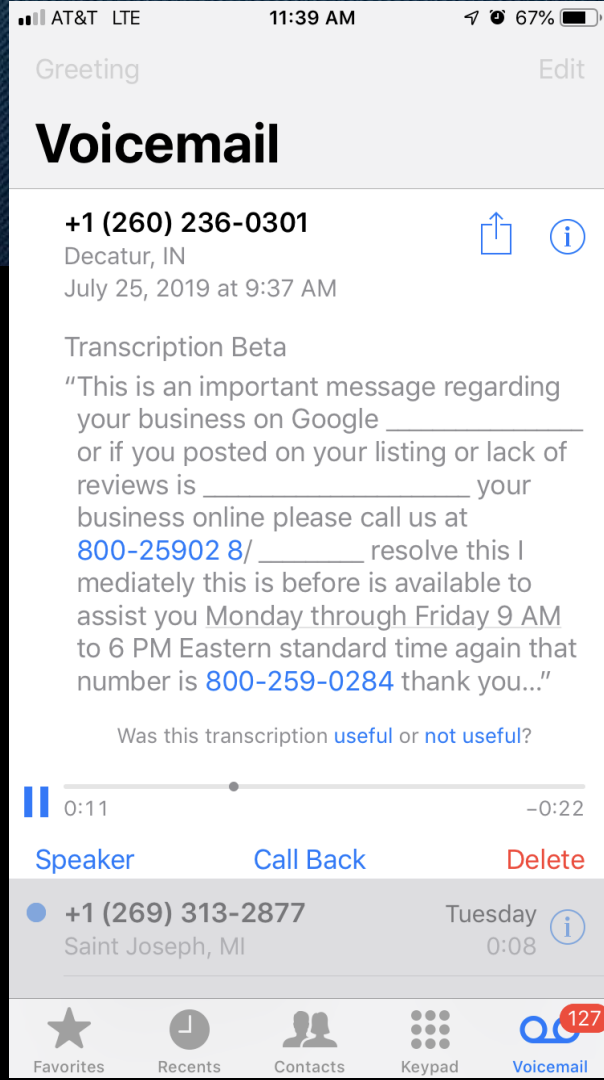
***My Social Security profile has been record
has been hacked!!!***

I have to CLICK the link and FIX it!



Cyber Security

Phishing Voicemail Message





Cyber Security

STOP



Cyber Security

BREATHE



Cyber Security

THINK



Cyber Security



Social Security

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United States of America



Cyber Security



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Cyber Security



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Regards,

Social Security Administrator
United States of America



Cyber Security

- **ALWAYS** hover over any links (text, images and buttons).
Is the address correct?
- **Somewhere on your screen, you will see the URL of the link.**



Jimmy John's

Today, 9:45 AM

Scott Apple ▾



Reply | ▾



GROUP ORDER - SUBMIT ORDER

Scott,

Your group order 1346597 is nearing its close time and can be added to until Fri., Jun 7 10:00 AM.

Click [here](#) to review and submit your group order to the store.

The following invitees have not yet responded:

vsolanki@kiwanis.org, rchampney@kiwanis.org

Please do not reply to this email. It is not a monitored email address





Cyber Security

<https://online.jimmyjohns.com/grouporders/2ae1b17d-01d7-4843-9702-6f8118b6c12c/status/>



Cyber Security

https://www.example.com

**Protocol
(scheme)**

**Sub-
domain**

**Domain
name**

**Top level
domain (TLD)**



Cyber Security

<https://online.jimmyjohns.com/grouporders/2ae1b17d-01d7-4843-9702-6f8118b6c12c/status/>



Cyber Security

RED FLAGS – spoofing links

- <http://actionelectronics.onmicrosoft.com>
- Service@Amazen.com
- www.Micorsoft.com
- www.Youltube.com



Cyber Security

Attachments

- **ANY attachment you receive that you aren't expecting is a RED FLAG.**

ANY ATTACHMENT



Cyber Security

What do I remember?



Cyber Security

- Emotional response – good or bad



Cyber Security

- Emotional response – good or bad
- **STOP** – BREATHE – **THINK**



Cyber Security

- Emotional response – good or bad
- **STOP** – BREATHE – **THINK**
- **RED FLAGS** -



Cyber Security

- Emotional response – good or bad
- **STOP** – BREATHE – **THINK**
- **RED FLAGS** – Anatomy of email



Cyber Security

- Emotional response – good or bad
- **STOP** – BREATHE – **THINK**
- **RED FLAGS** – Anatomy of email
 - From
 - To
 - Subject
 - Date
 - Content



Cyber Security

- Emotional response – good or bad
- **STOP** – BREATHE – **THINK**
- **RED FLAGS** – Anatomy of email
 - From
 - To
 - Subject
 - Date
 - Content - spelling/grammar, links, attachments



Cyber Security

Common sense approach

- Did I initiate this communication?
- Do I even have this account?
- Is this out of character for the sender?
- Do I have another way of confirming this email?



Cyber Security

Common sense approach

When in doubt – DELETE the email.

If it's important, it will come back to you in another form – physical mail and/or phone call.



Cyber Security

Questions?



Cyber Security

Thanks!