Keep your club safe!
Cyber security tips

WELCOME
Keep your club safe!
Cyber security tips

Scott Apple
Projects Administrator
Keep your club safe!
Cyber security tips
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PHISHING
Phishing

An attempt to obtain sensitive information such as

- Usernames
- Passwords
- Contact lists
- Credit card details

by masquerading as a trustworthy source
Phishing

Often done using
• Email
• Instant messaging
• Texting
• Phone calls
The biggest security problem online

Phishing accounts for 90 to 95% of security threats
Phishing victims might be tricked into clicking a link through to a fake webpage.

The aim is persuading the user to enter personal information.
A link can be in the form of a:

- Text link
- Button link
- Image link
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Example of a Netflix Phishing email
It's estimated that an average of 1.4 million phishing websites are created every month.
Some victims are tricked into downloading and installing malware ransomware.
Some Definitions

• **Malware** - Malicious software that runs undetected on your computer.

• **Ransomware** – A malware that holds computer files hostage until ransom paid.

• **Social Engineering** - Art of manipulating, influencing, deceiving you to take action not in your or your business' best interest.
You Won!!!

Click Here!

What could go wrong???
Common Phishing techniques include offers of prizes won in fake competitions such as lotteries or contests by retailers offering a 'winning voucher or discount code'. 
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.
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Phishing attempts claim to be from friends, coworkers, popular social web sites, government, banks, auction sites, or IT administrators – attempting to lure the unsuspecting person.
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.
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Never give out information over the phone, through email or in person unless the requestor's identity is confirmed.
So how can I keep from becoming a victim of Phishing?
Look for RED FLAGS.

Reg flags warn you to STOP.
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.
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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
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RED FLAGS – What to look for

- First of all, STOP and THINK
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
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
From Costco <manager@eeag.sakura.ne.jp>

Subject: Scheduled Home Delivery Problem

To: [blank]

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 don't get your timely reply you will be paid your money back less 18%.
From Costco <manager@eeag.sakura.ne.jp>

Subject: Scheduled Home Delivery Problem

To:

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 don’t get your timely reply, you will be paid your money back less 18%.
Your account has been suspended

Dear client,

We've temporarily suspended your account due to some issues in the automatic verification process.

For this reason, we suspended your account, until you verify all required information and update your payment method. We will provide all the steps you need to unlock your account. Please follow these instructions after you click on the link below.

UPDATE YOUR DETAILS

Follow these steps:
1. Login to your account.
2. Update your Billing information.
3. Update your Payment method.

If you do not verify your account, your account will be deleted permanently.

Please help us to clear your status and unlock your account.

Thanks,

Netflix
This email uses a display name of "NETFLIX" with a lower case 'L' character to replace the 'i'.

From NETFLIX-

Subject: We've temporarily suspended your account until you verify your details.

To: [Redacted]

NETFLIX

Your account has been suspended

Dear client,

We've temporarily suspended your account due to some issues in the automatic verification process.

For this reason we suspended your account, until you verify all required informations and...
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.
Date: line

- Receive an email you would normally get during normal business hours, but it was sent at 3 a.m.
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.
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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.
From Costco <manager@eeag.sakura.ne.jp> 🌟
Subject Scheduled Home Delivery Problem
To 

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 don't get your timely reply you will be paid your money back less 18%.
The email is deliberately trying to get an emotional response from you.

Good or Bad
Hyperlinks (links)

- Look for misspellings
- Email contains hyperlinks asking you to take an action
- Text, images and buttons can contain malicious hyperlinks
From Costco <manager@e.eag.sakura.ne.jp>
Subject Scheduled Home Delivery Problem
To

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 don't get your timely reply you will be paid your money back less 18%.
From: Costco <manager@eeag.sakura.ne.jp>

Subject: Scheduled Home Delivery Problem

To: [Blank]

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](mailto:manager@eeag.sakura.ne.jp) and send it back with your reply to us.

Please do this within the period of one week. If we don't get your timely reply, you will be paid your money back less 18%.
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
OH NO!
My Social Security profile has been recorded
has been hacked!!!

I have to CLICK the link and FIX it!
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STOP
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
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
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
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.
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
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<table>
<thead>
<tr>
<th>Protocol (scheme)</th>
<th>Sub-domain</th>
<th>Domain name</th>
<th>Top level domain (TLD)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>https:</strong>://</td>
<td><strong>www</strong>.</td>
<td><strong>example</strong>.</td>
<td><strong>.com</strong></td>
</tr>
</tbody>
</table>
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https://online.jimmyjohns.com/grouporders/2ae1b17d-01d7-4843-9702-6f8118b6c12c/status/
RED FLAGS – spoofing links

- http://actionelectronics.onmicrosoft.com
- Service@Amazen.com
- www.Microsoft.com
- www.YouTube.com
Attachments

- ANY attachment you receive that you aren’t expecting is a RED FLAG.
What do I remember?
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- Emotional response – good or bad
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- 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?
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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.
On your mobile device:

Open a browser
(such as Chrome or Safari)
Cyber Security

Go to:

Kahoot.it
Enter game PIN
Cyber Security

Then touch Enter
Enter a nickname
(will be visible on the front screen)
Make sure you see your nickname on the front screen.
Answer questions by touching the corresponding color on your mobile device.