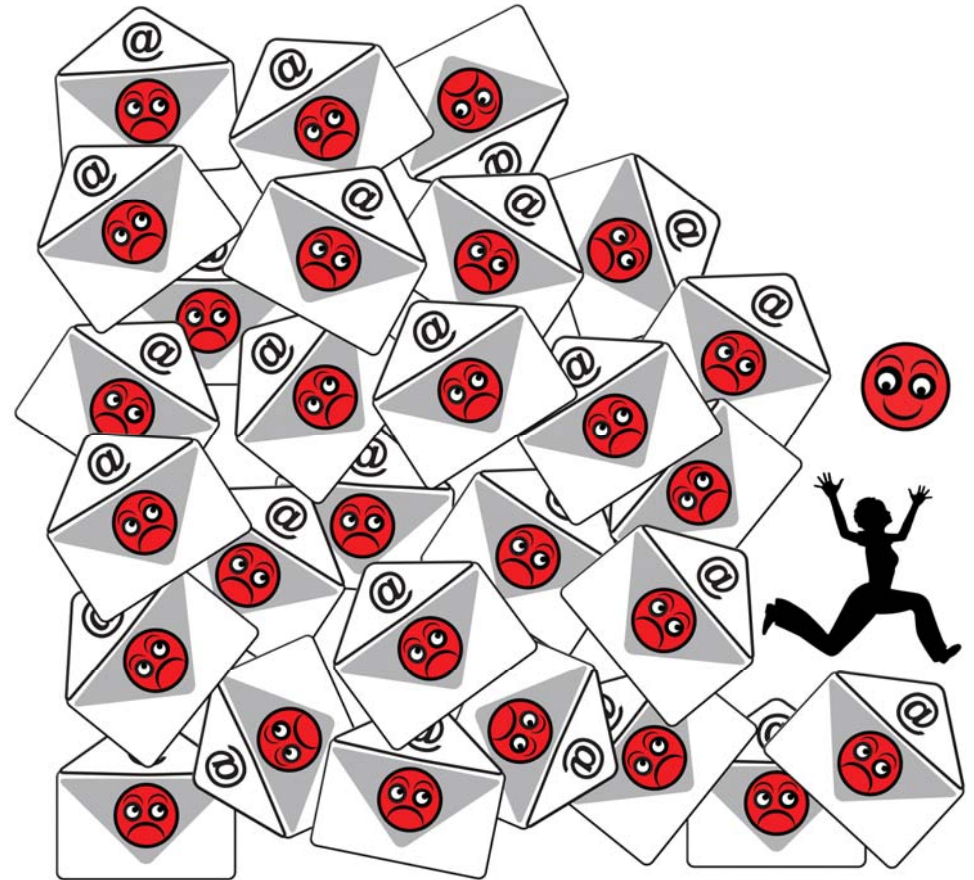


# Recognize the Top Email Threats Hackers Use to Destroy Your Business

How to reduce the chances your business will be compromised via email scams.

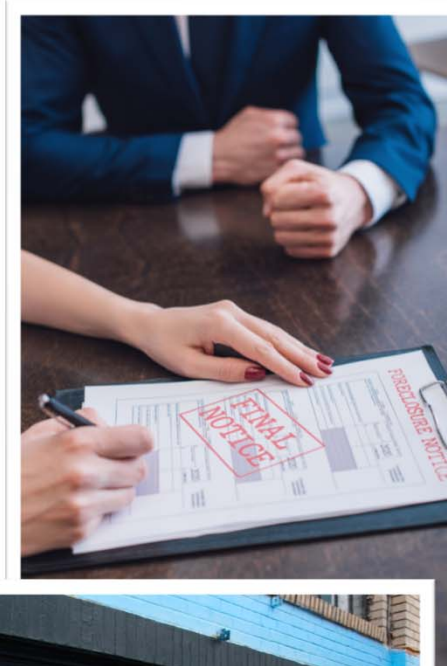
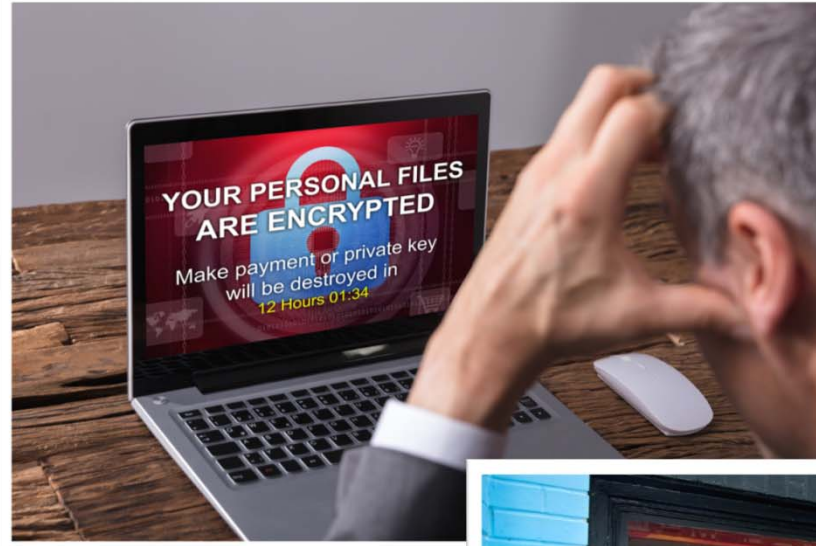


13 types of email threats  
being used by hackers  
today and the impact  
these email threats have  
on organizations.



Cybercrime cost  
\$3.5 Billion in  
losses in 2019

Ransomware  
costs expected  
to reach \$20  
billion by 2021





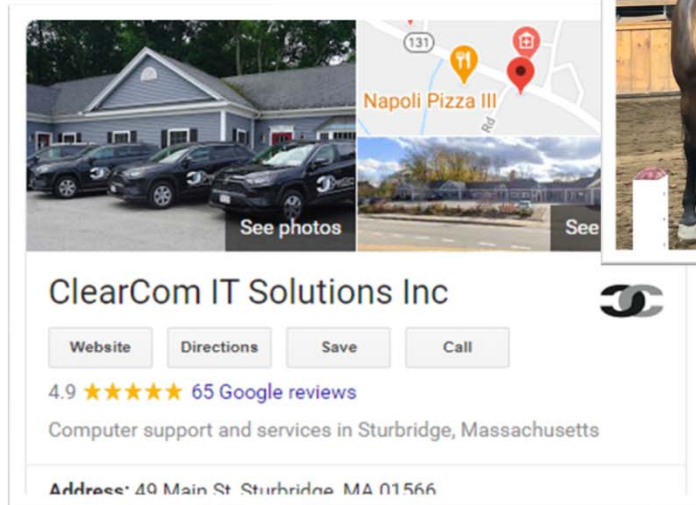
Wouldn't it be nice  
to not worry about  
clicking on a spam  
or phishing link that  
could compromise  
your data and/or  
network?



**Jenn McGroary**

Marketing & Administrative Coordinator

ClearCom IT Solutions, Inc.



# 5 Categories of Email Threats

**Spam**

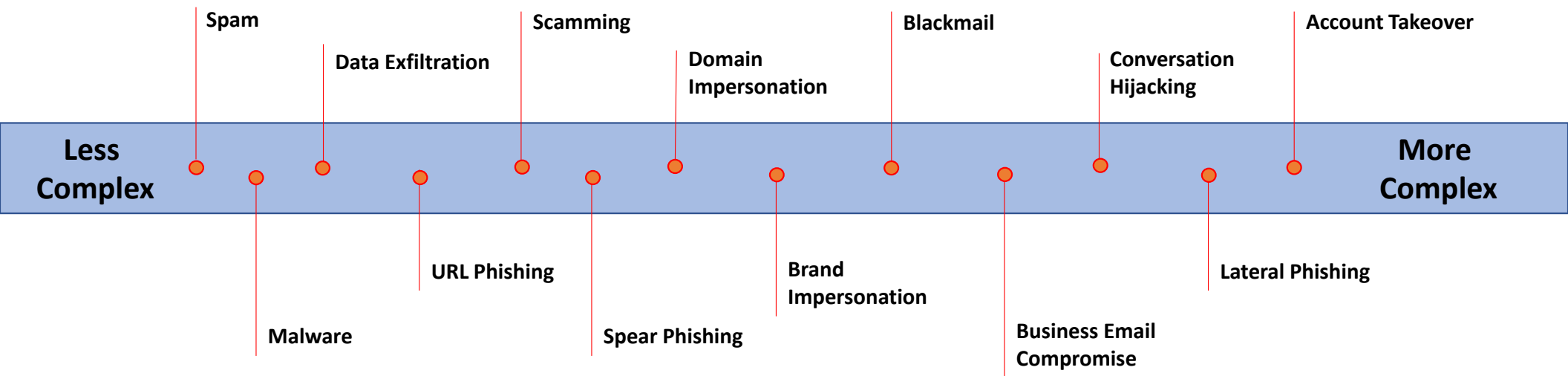
**Malware**

**Data Exfiltration**

**Phishing Emails**

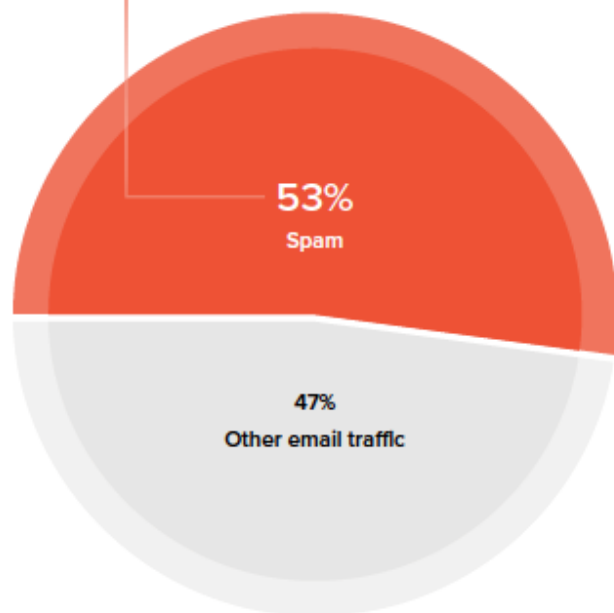
**Impersonation**

# 13 Different Types of Threats



# Spam

Spam accounts for **53%** of the world's email traffic, and about **\$20 billion** per year in losses.



Reply

Reply all

Forward

Delete

Mark

More

**Attension New Winner**

From [MercedesBenz@lottery.com](mailto:MercedesBenz@lottery.com) on 2020-09-18 11:55

Details

Dear Winner:

We are pleased to announced that your E-mail Address has been selected among the winners of the Mercedes Benz International Online Lottery Draw for the year 2020" promo. You are now a winner of a Brand New "2020 Mercedes-Benz GLE 450" and the Grand prize of \$3,500,000.00 USD.( Three Million Five Hundred Thousand Dollars) For easy claim of your winnings, you are simply advice to contact our Claim Agent.

Name: Barr.Thomas Clark

Email: [barr.thomasclark@mailbox.org](mailto:barr.thomasclark@mailbox.org)

TEL: (760)915-625

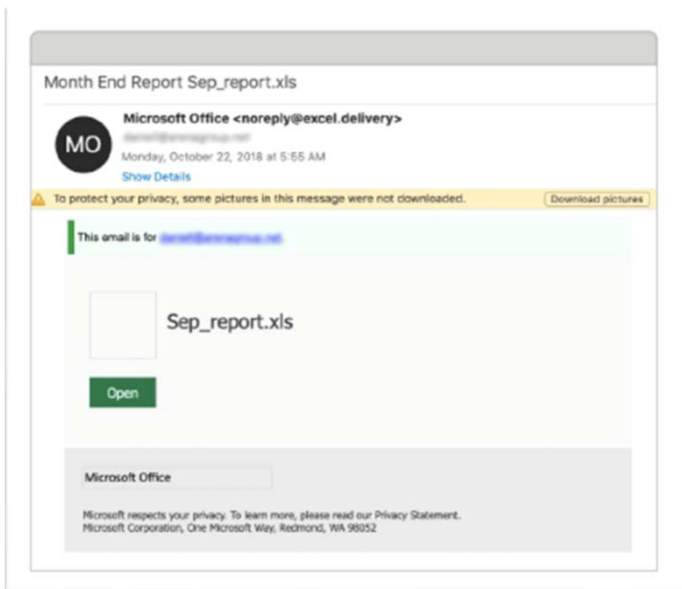
Please reply with your necessary information below for rightful claim, you have 24 Hours to claim your Prize

RENEFFICIARY FULL NAME:



# Malware

94% of malware is delivered via email



## IT-Service desk: Coronavirus notice for all Miller Supply employees

Williams, Sarah <s.williams@nnillersupply.co>  
Thu 3/26/2020 2:02 PM  
To: John Smith

ATTACHMENT: Contains malware  
COVID Staff Survey.pdf  
2.2 MB

Attn All staff, **TOO GENERIC**

**FAKE E-MAIL ADDRESS:** uses "nn" instead of "m"

**POOR GRAMMAR**

**URGENCY**

This is a ongoing outbreak of deadly virus called coronavirus (CoVID-19). The virus spreading like **wide fire** and the World Health Organization are doing everything possible to contain the current situation. The virus which originate in China has hit Europe, America, Asia and Africa. The government has hereby instructed all organization to **immediately** educate and enlightened their employees/staff about the virus in order to increase awareness of (CoVID19).

In view with the directives, the institution is currently organizing a seminar for all staff to talk about this deadly virus. All employee/staff **must** participate and will **each required** to complete a survey to show your awareness. A recording is provided for the seminar and all must register by end of work tomorrow. Disciplinary **measure** will be taken for staff that fails to complete this instruction. Winning this battle is our collective effort. Kindly follow the link **COVID SEMINAR** to register and **be counted as complete**.

Instructions for the staff survey is given as attachment in this instruction. We recommend all staff review the steps to make sure all complete this directive.

**BAD LINKS:**  
<http://66.165.152.168/nnillersupply.co/covid119seminar/registr>

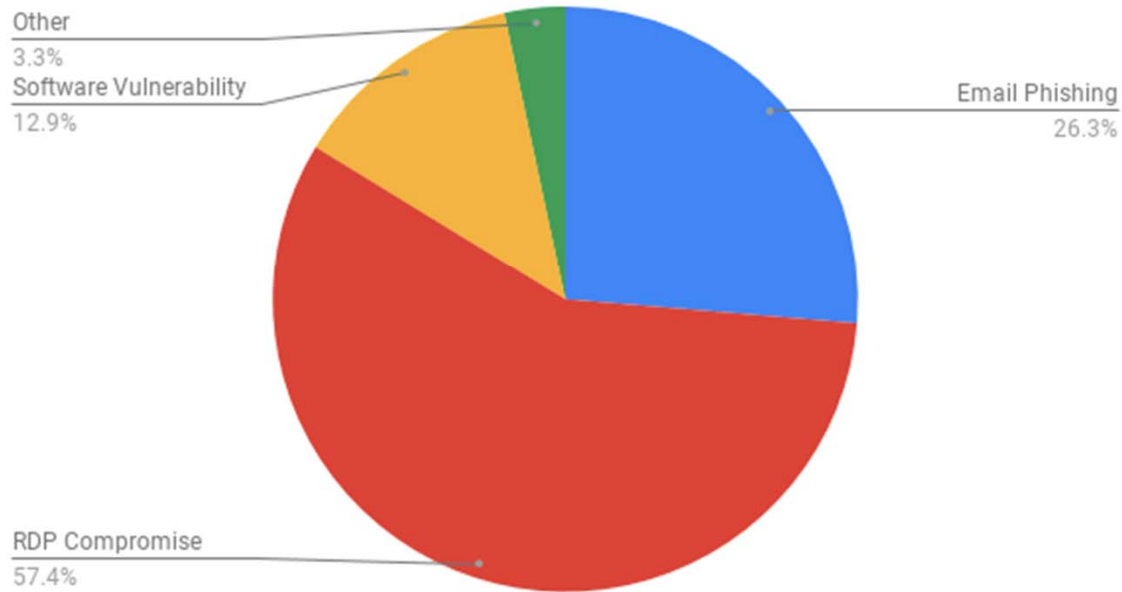
Best Regards,

IT-Service desk  
[it.servicedesk@nnillersupply.co](mailto:it.servicedesk@nnillersupply.co)  
Miller Supply

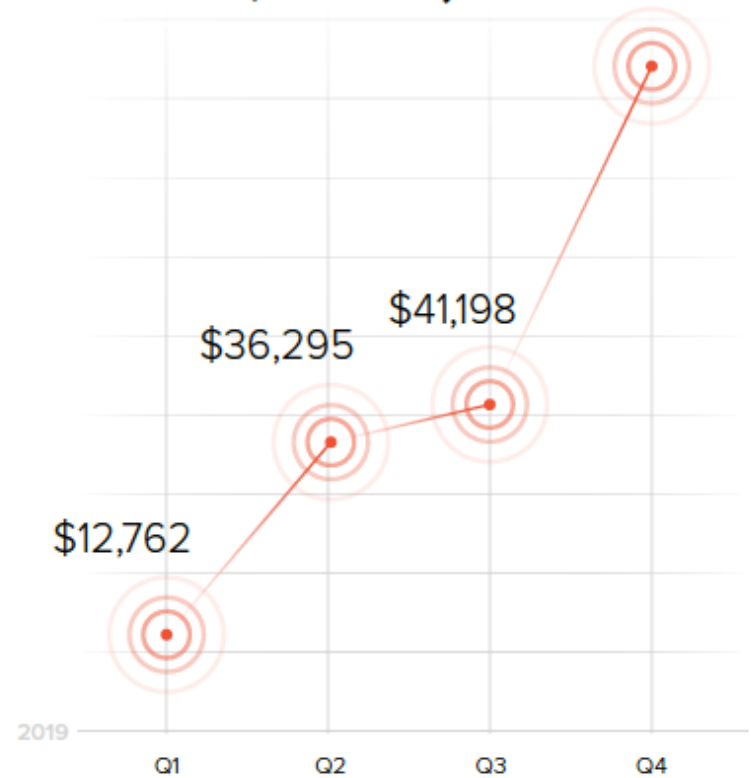
**LEGEND**

- FAKE E-MAIL ADDRESS
- TOO GENERIC
- BAD LINKS
- URGENCY
- SYNTAX & GRAMMATICAL ERRORS

## Most Common Ransomware Attack Vectors Q4 2019



# \$84,000



*Average ransom amounts have exploded*

# Data Exfiltration

Average time to identify  
and contain a breach

**280 Days**

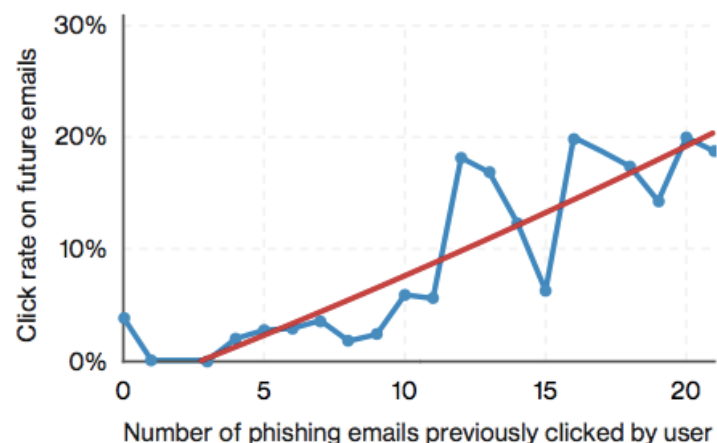
Average cost of a data  
breach in 2020

**\$3.84M**




# URL Phishing

Likelihood of clicking based on previous performance



## 2019-nCoV: Coronavirus outbreak in your city (Emergency)

 CDC-INFO <cdcchan-00813@cdc.gov.org> **FAKE E-MAIL ADDRESS**  
Tue 2/4/2020 8:33 AM  
To: John Smith

Distributed via the CDC Health Alert Network  
February 4, 2020  
CDCHAN-00813


Dear Sir/Madam, **TOO GENERIC**


The Centers for Disease Control and Prevention (CDC) continues to closely monitor an outbreak of a 2019 novel coronavirus (2019-nCoV) in Wuhan City, Hubei Province, China that began in December 2019. CDC has established an Incident Management System to coordinate a domestic and international public health response.

Updated list of new cases around your city are available at (<https://www.cdc.gov/coronavirus/2019-nCoV/newcases-cities.html>). **CHECK BEFORE YOU CLICK!**  
Hover your cursor over the link to preview the link URL. BEWARE of links that direct you to a login page.

You are **immediately** advised to go through the cases above to avoid potential hazards. **URGENCY**

Sincerely,  
CDC-INFO National Contact Center  
National Center for Health Marketing  
Division of eHealth Marketing  
Centers for Disease control and Prevention **POOR GRAMMAR**

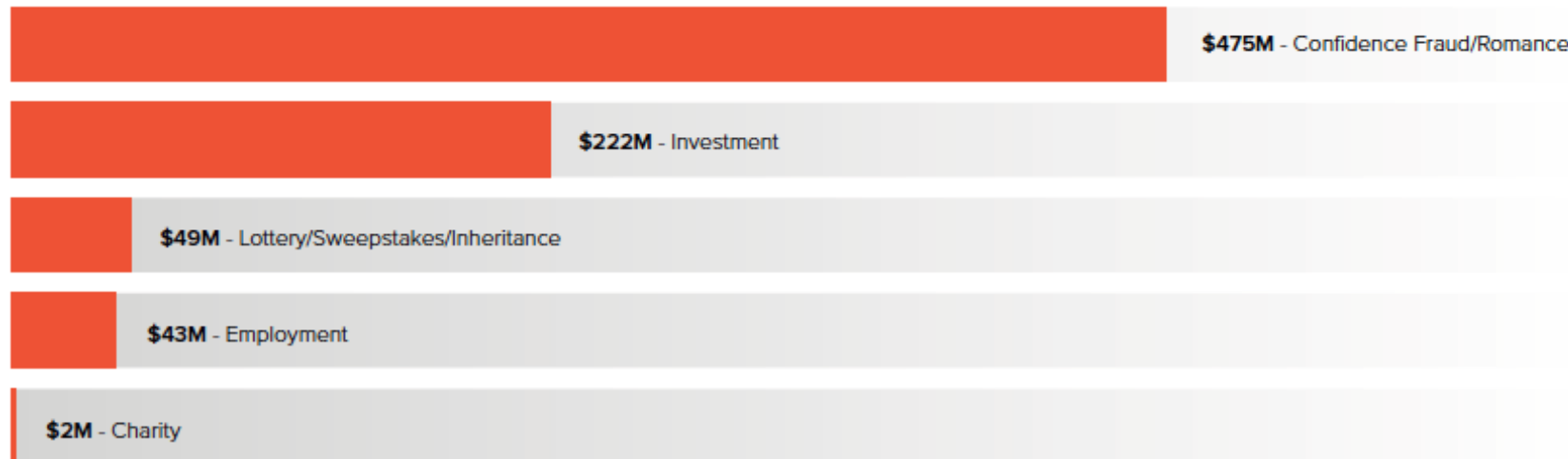


  
The fake web page use in the coronavirus phishing campaign looks like an Outlook login window

**LEGEND**

- FAKE E-MAIL ADDRESS
- TOO GENERIC
- BAD LINKS
- URGENCY
- SYNTAX & GRAMMATICAL ERRORS

# Scamming



Scamming: Losses reported to the FBI in 2019



PERSONAL FINANCE

## Americans lost \$77 million to Covid-19 fraud — and that's just the 'tip of the iceberg'

PUBLISHED TUE, JUL 7 2020 8:00 AM EDT | UPDATED TUE, JUL 7 2020 8:00 AM EDT





# Spear Phishing

How businesses were affected by spear phishing attacks in 2019



Tue 7/31/2018 11:01 AM

Rob Cleary <ceoxcee@inbox.lv> Email address the spoofed mail was redirected back to

RE: Please get back to me on this

To: Jenn McGroary

You forwarded this message on 7/31/2018 11:06 AM.

I have a request from a client of ours who is over seas. He needs iTunes cards. \$100 worth of gift cards, which total \$2500. That is \$100 cards in 25places. Can you handle this? I have asked him to hold on while i see it done, i will appreciate it if you can please handle it asap. Thanks

Urgency

Spelling/punctuation errors

Sent from my iPad

----- Reply to message -----

Subject: RE: Please get back to me on this

Date: 31 July 2018 at 17:56:54

From: Jenn McGroary <JMcGroary@clearcomit.com>

To: Rob Cleary <rcleary@clearcomit.com> Spoofed email - redirects to another address

Sure, what do you need.

Jenn McGroary

# Domain Impersonation

Examples of Impersonation:

**Betterbuisnessbureau.org**

**Betterbb.com**

**Betterbusinesb.org**

**Bettterbusinssbureau.org**

**bbb.net**

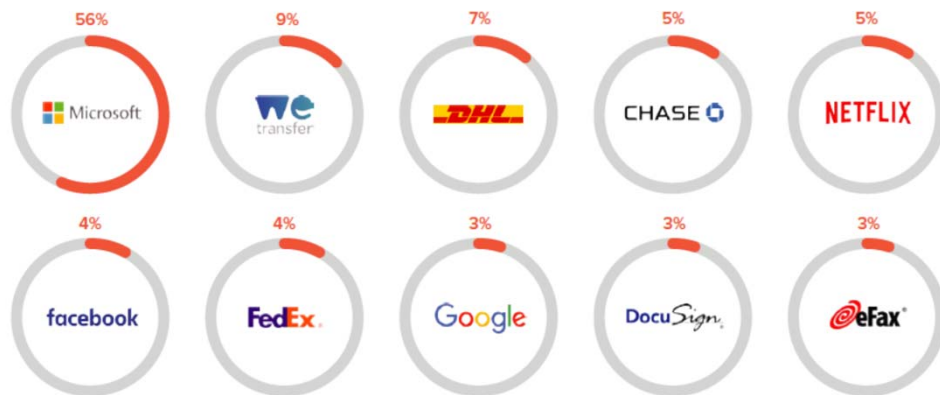
**bbb.co**

**+400%**

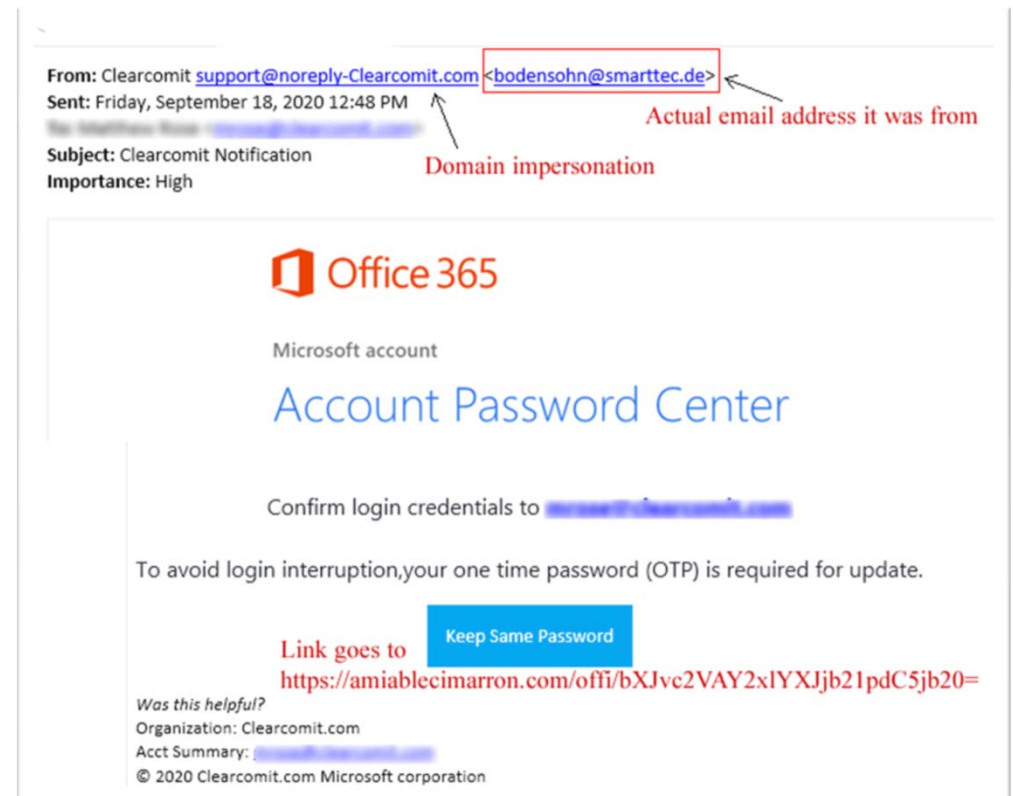
*Domain impersonation increase in 2H 2019*

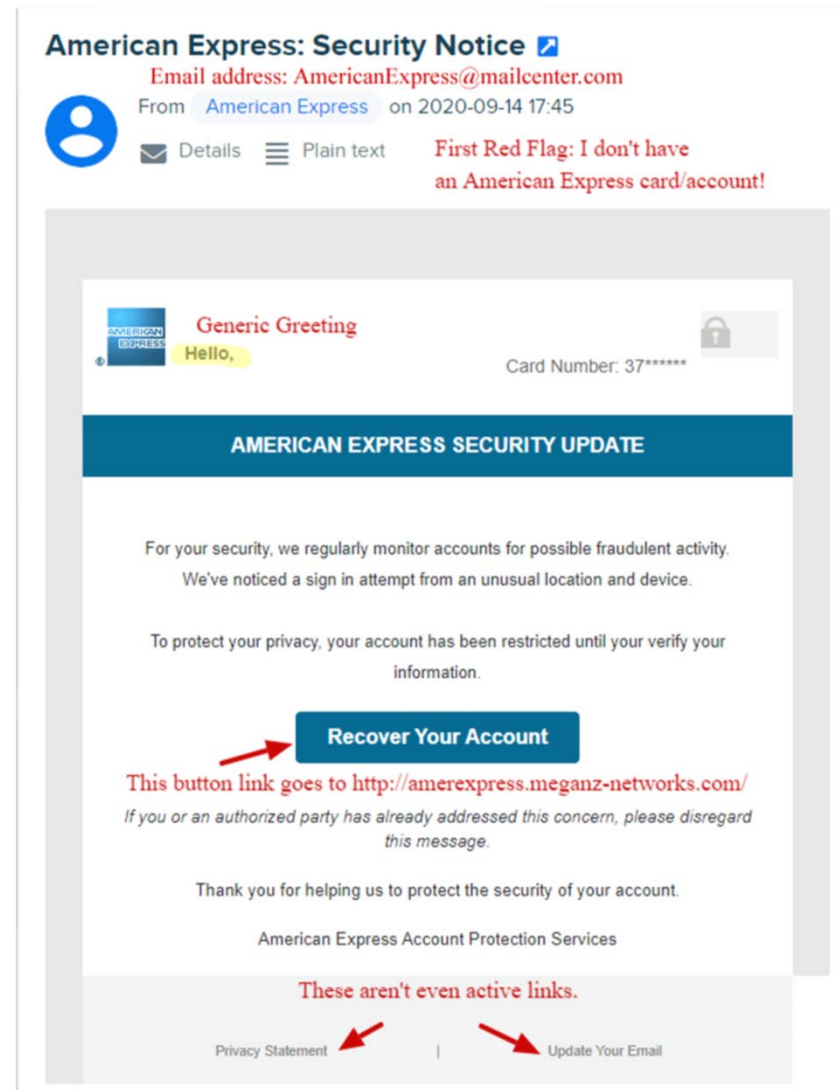
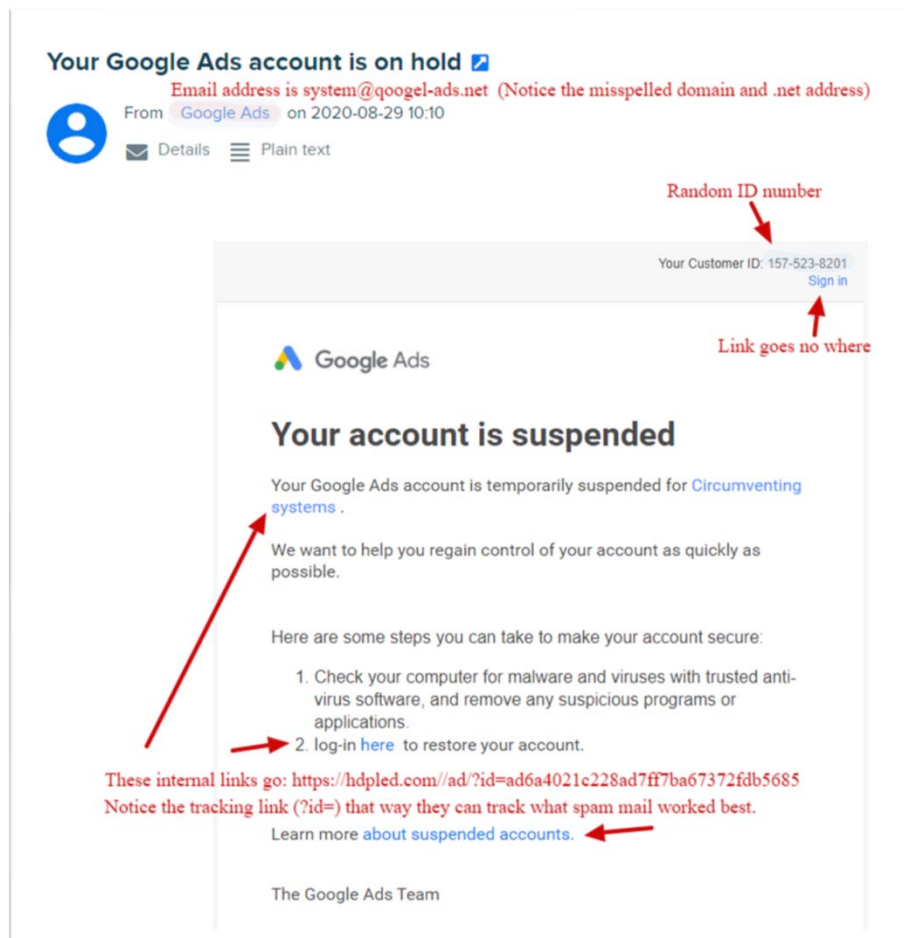


# Brand Impersonation



Most frequently impersonated brands





# Blackmail



Date:

From:

Reply-to:

To:

Subject: password

Charset: iso-8859-1 \*

password is your passphrase. Lets get right to point. You do not know me and you are most likely wondering why you're getting this email? Nobody has compensated me to check you.

In fact, I placed a malware on the xxx streaming (sexually graphic) site and you know what, you visited this site to experience fun (you know what I mean). When you were watching videos, your internet browser initiated functioning as a Remote control Desktop having a key logger which provided me with accessibility to your display screen and also webcam. Just after that, my software program obtained every one of your contacts from your Messenger, social networks, and email account. After that I made a video. 1st part displays the video you were watching (you have a nice taste imao), and 2nd part displays the view of your webcam, and it is u.

There are two different solutions. We should check out each of these possibilities in particulars:

First alternative is to dismiss this email. In this scenario, I most certainly will send your actual recorded material to every bit of your personal contacts and thus just imagine about the humiliation you feel. In addition should you be in a romantic relationship, how this will affect?

Other choice would be to pay me \$5000. I will name it as a donation. In this case, I most certainly will instantly discard your video footage. You could continue your daily routine like this never occurred and you will not ever hear back again from me.

You will make the payment via Bitcoin (if you don't know this, search for "how to buy bitcoin" in Google).

BTC Address: 1AQPmKJbKtKbA9Kt4Dh2LyRJPyc8gADuPq  
[CASE-sensitive so copy and paste it]

If you have been looking at going to the cops, anyway, this email can not be traced back to me. I have taken care of my steps. I am also not attempting to ask you for money very much, I wish to be paid.

You now have one day to make the payment. I have a unique pixel within this mail, and now I know that you have read this mail. If I don't get the Bitcoins, I will definitely send your video recording to all of your contacts including relatives, coworkers, and so on. Having said that, if I do get paid, I will destroy the video right away. If you need proof, reply with Yea! & I will send out your video to your 12 friends. This is the non-negotiable offer thus do not waste my time and yours by replying to this e-mail.



# Business Email Compromise

**From:** Rob Cleary <[rcleary@clearcomit.com](mailto:rcleary@clearcomit.com)>  
**Sent:** Tuesday, July 31, 2018 10:55 AM  
**To:** Jenn McGroary <[JMcGroary@clearcomit.com](mailto:JMcGroary@clearcomit.com)>  
**Subject:** RE: Please get back to me on this


Morning Jenn,

I am stuck in a meeting and wont be available until later, i need you to please run an errand for me, are you available?

Thanks

Sent from my iPad



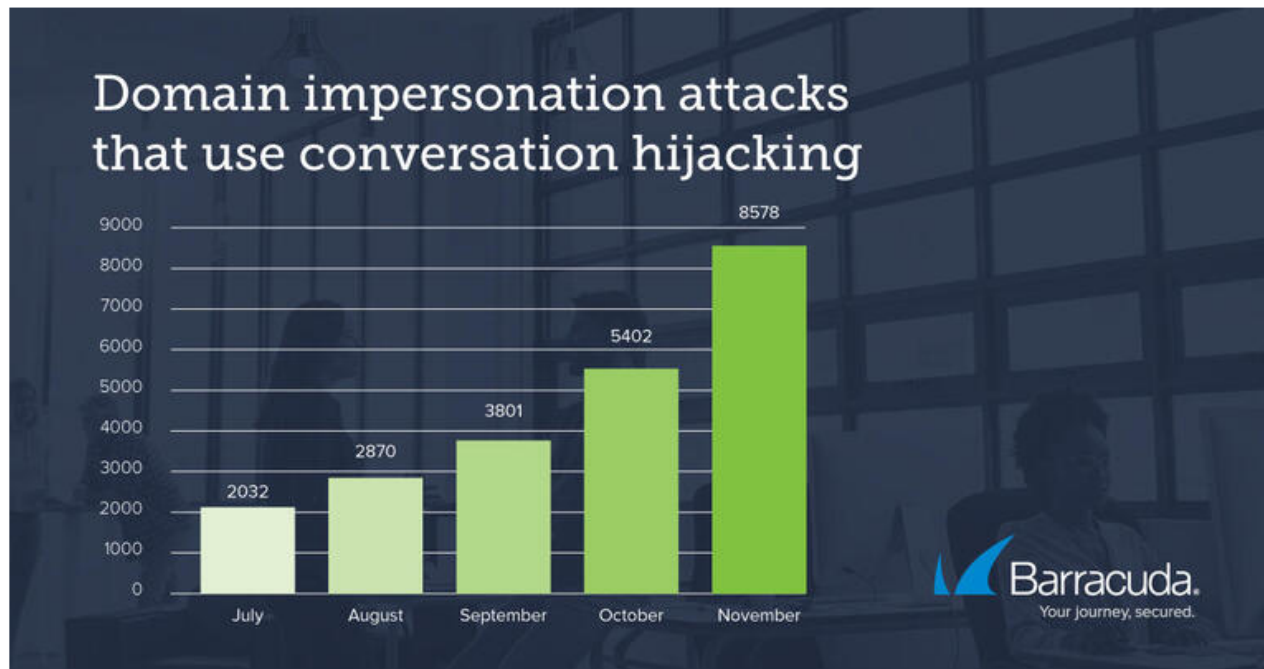
 CNBC

A 'simple' email scam almost cost Barbara Corcoran \$400,000—here's how to avoid falling for the same thing

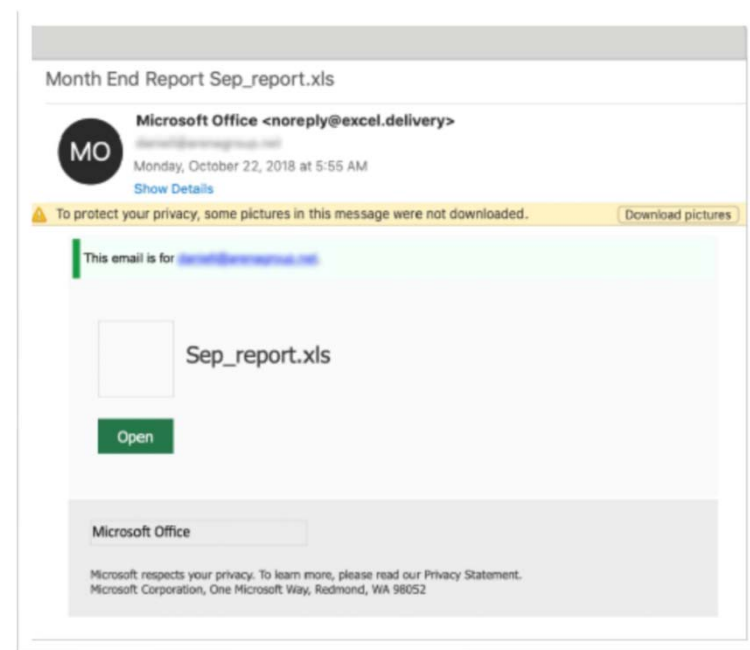
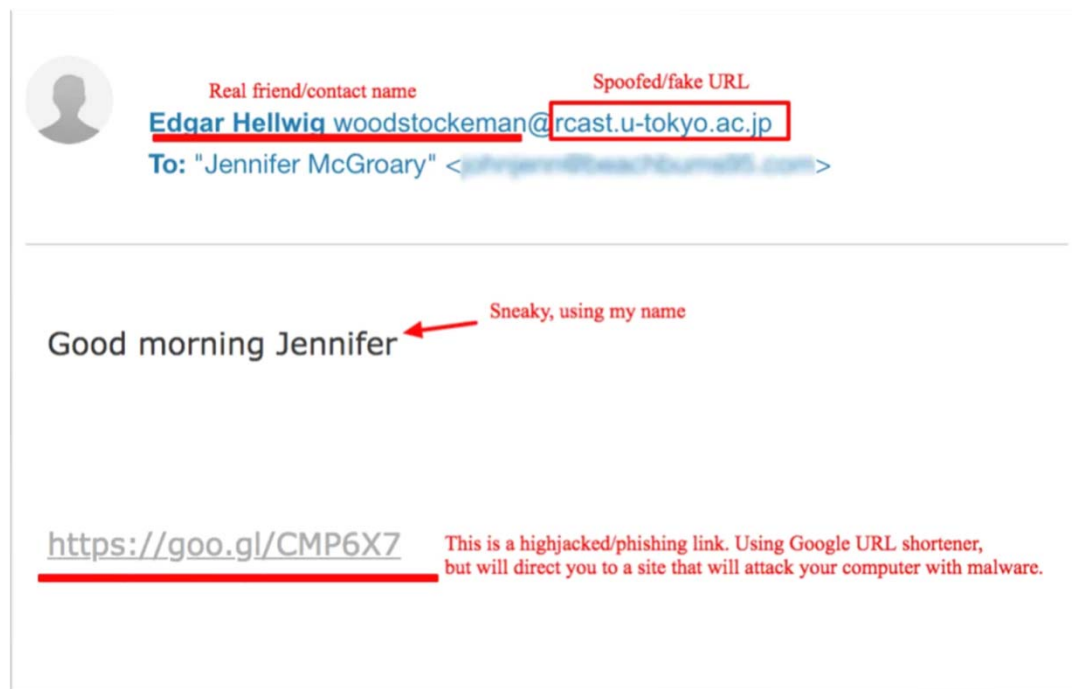
In February, Barbara Corcoran, founder of real estate brokerage firm Corcoran Group and judge on ABC's "Shark Tank," was nearly scammed ...  
May 6, 2020



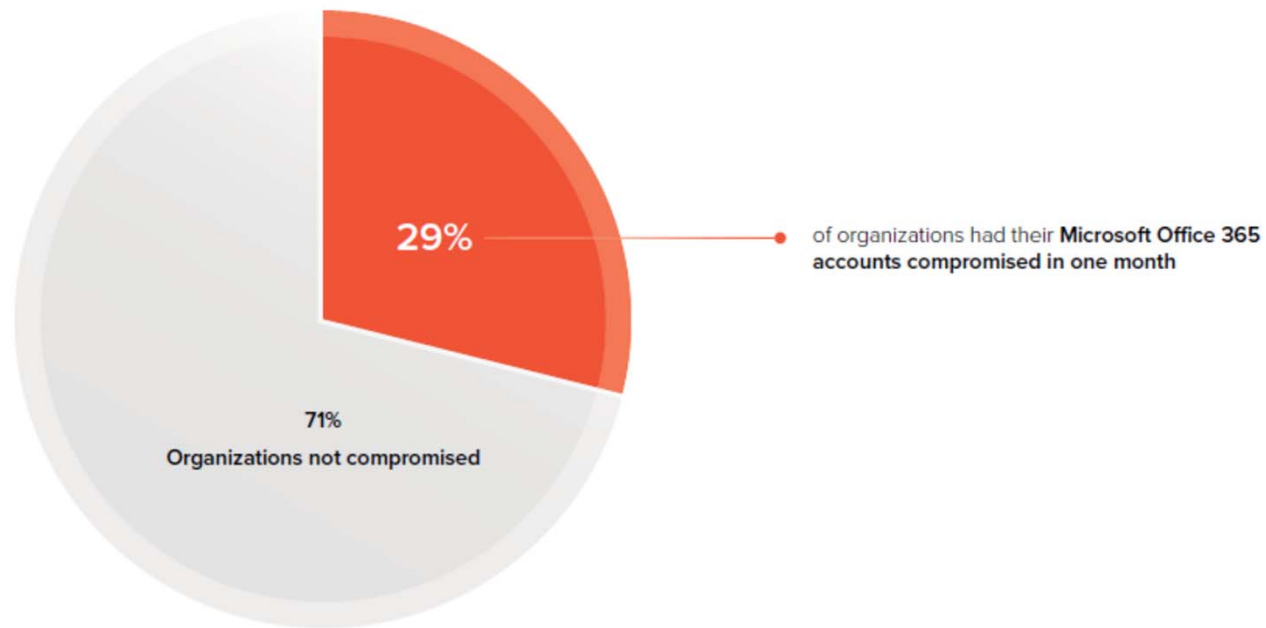
# Conversation Hijacking



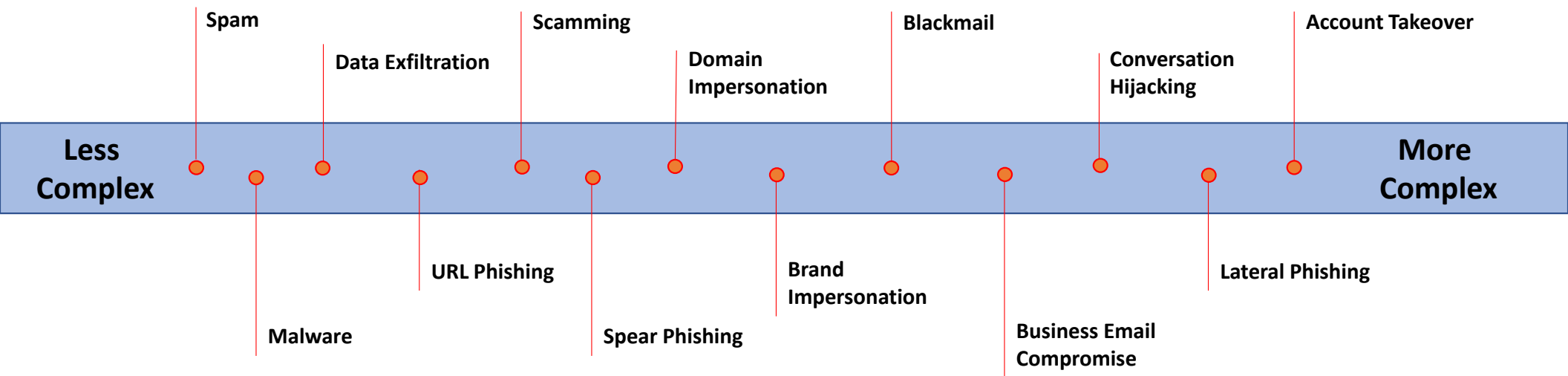
# Lateral Phishing



# Account Takeover



# 13 Different Types of Threats





# Next Steps

- [www.clearcomit.com/bbbwebinar](http://www.clearcomit.com/bbbwebinar)
- Download presentation slides and a free checklist:  
**12 Way to Protect Your Business From a CyberAttack**
- Request your free complementary Dark Web Report.



To talk ASAP, you can give us a call directly at 508-205-1114



Thank you ♥