











 An attempt to get another person to reveal personal or confidential information (such as passwords) through trickery. Reply Reply Reply All Repowerd Reply Reply All Reply
Reply Reply All Forward Mon 2016-03-07 12:22 PM Jane Carlee Kamar IT SERVICE DESK To Jane Carlee Kamar Cc Jane Carlee Kamar (c Jane Carlee Kamar (c Mathematic Kamar
http://ucalgarydedf.weebly.com/ We temporarily locked your ucalgary-mail (Bick to follow link es, Our system has detected an unusual virus and sign in attempt into your ucalgary mail box account, We recommend you to [CUCK HERE] and verify your ucalgary.ca mail account and always exit your ucalgary.ca account using the Logout
button in the upper right corner instead of just closing the tab of your browser. This serves as an additional security measure to prevent unauthorized access to your ucalgary mail account.
Warm Regards, Helpdesk Administrator.













- An attempt to make a service unavailable
 - Repeatedly sending requests for information to the computer system
 - "Crashing" the computer system that is under attack
- The 'attackers' (owners of the computer(s) from which the attack has been launched) may be unaware of their involvement
 - "Mydoom/MyDoom" infected computers
- Symptoms
 - Computer running more slowly
 - Some processes taking up resources (processor time, memory Task manager)
 - Increase in network usage (ISP)























I Can't Get Infected Just Going To A Website!

Don't believe you can infected, remember this one:
 <u>https://pages.cpsc.ucalgary.ca/~tamj/2017/203F/autorun.html</u>

"Top 10 Celebs [JT: Searching For Info. About Them] Most Likely To Give You A Computer Virus"¹

2013	2012	2011			
1) Lily Collins	1) Emma Watson	1) Heidi Klum			
2) Avril Lavigne	2) Jessica Biel	2) Cameron Diaz			
3) Sandra Bullock	3) Eva Mendes	3) Piers Morgan			
4) Kathy Griffin	4) Selena Gomez	4) Jessica Biel			
5) Zoe Saldana	5) Halle Berry	5) Katherine Heigl			
6) Katy Perry	6) Megan Fox (up from #15!)	6) Mila Kunis			
7) Britney Spears	7) Shakira	7) Anna Paquin			
8) Jon Hamm	8) Cameron Diaz	8) Adriana Lima			
9) Adriana Lima	9) Salma Hayek	9) Scarlett Johansson			
10) Emma Roberts	10) Sofia Vergara	10) Tie! Emma Stone, Brad Pitt and Rachel McAdams			
1 Source: http://www.mcafee.com/us/microsites/most-dangerous-celebrities/index.html					

Computer Virus: Avoiding?
 "Solution": Just don't go to *bad* websites "Trusted websites may inadvertently be used as part of a virus attack.
• Examples:
 Facebook Virus Infecting 'Friends' List: Prompts Users to Download Video <u>http://www.canada.com/globaltv/ontario/story.html?id=48291ac4-f3c5-465c-b172-80299e4ca5dc</u> Provocative messages from your contacts that tempts viewers to follow a link:
Legitimate message from a friend or a virus?
Sep 22 wrote at 10:33pm someone told me they have the hugest crush on you! visit your Icrush dot com to find out who they are seamster Wall-to-Wall - Write on



Useful Side Note: Evaluating Security Of Facebook Links				
A Faceboo	ok s	ec	urity app	
O Norto	ו Sa	fe	Web for Facebook	Decretary Versign
Your account is curr	ently pro	otecte	d by Norton Auto-Scan.	Auto-Scan On Auto-Scan Off
We have examined your Facebook Newsfeed and scanned each link shared within past 24 hours.				
Newsfeed scanning	complet	e.		
Links Checked:		30	link(s) shared to you with in past 24 hours.	
Norton Secured	Ø	19		
Safe	ок	9		
Caution		0		
Warning	×	0		
Untested	?	2		







































Preventing/Mitigating The Effect Of Keystroke Loggers (4)

- Two step authentication
 - Password
 - One time code























Is This A Trap? How To Avoi	d?
Ox000314CE VIRUS DETECTED W	A nonun comes un
WARNING! Your Marti drive will be DELETED if you close	looking like
	something legitimate
Are you sure you want to leave this page?	from Windows. How
Leave Page Stay On Page	do avoid installing
Please contact tech	malware when you
ERROR CODE: 0x000314CE	See this whittow?
Hard Drive Safety Delete Starting In 4:36	
rom: James (credit for the image not for the scareware popup)	





















- Balance the convenience of having this information stored with the merchant (so you don't have fill it) and the additional security (foiling spyware such as keystroke loggers) vs. the probability of having it stolen from the merchant.
- Consider:
 - The size of the merchant (large with the resources to spend money on security vs. a tiny home business).
 - The merchant's reputation and history (keep in mind that quite often merchants legally don't have to disclose security breaches).
 - Any security measures that they care to describe (specific measures, e.g., 128 bit encryption, rather than just vague guarantees about protecting your information).
 - Also look for any specific guarantees made by the company in the event of a security breach (but also scan for exclusions)























A General Checklist (F	or Your Own Use)
Checklist: Protect Your Security Tinki you're prefly up to date on your security practices? Let's see for sure with our handy checklist.	
Install current anti-virus software, like McAfee AntiVrus	
Download additional security software such as Rapport	
Make sure you have the latest supported web browser	
Check your credit report once a year	
Set up a passcode to unlock your mobile phone screen	
Keep your PIN numbers and passwords to yourself	
Ignore unsolicited emails that ask for your personal info	
Change your default wireless router password	
Look for the lock icon in the Address Bar before entering personal info into a website	
Limit the amount of personal info you share on social networking sites	
See hear you did +	Source: http://www.scotiabank.com/











Privacy And The Internet (2)

- The Internet (and especially the web) is not a private place.
- What you (or someone else) posts there is not only viewable by the world at large but is likely to remain available (in some form) even should the offending information be removed.
 - E.g. 1, search engines often save old information about web sites
 - E.g. 2, there are specific web sites that provide archived versions of the web that go back many years.
 - E.g. 3, the terms of use for some web sites imply that any content (text, pictures, videos) uploaded to their site by users may be available indefinitely even if the user later removes the content from the site.
 - ...asking Google to 'remove information' does not remove the information from the Internet, it may (at best) only remove it from Google search results.
 - Other search websites may still display the offending information.











After This Section You Should Now Know

- · What is malware
 - What are some common categories of malware
 - How do the different forms of malware get onto your computer
 - What are the consequences of having a malware infection on your computer
 - How to protect against malware
- Electronic and non-electronic defensive measures against malware
- What is scareware and how it can be a security threat
- What are some common web-based security issues and how to mitigate some of them
- What is a browser cookie
- What are the different types of cookies and how do they differ

