

Basic Internet Security

You can download this from
<http://www.totnesit.com/training/>

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User Accounts

- Switch off “administration” rights on account(s)
 - This stops malware from being easily installed
 - This forces a password prompt to install software
 - Mac's behave like this by default

Microsoft

Why you should not run your computer as an administrator

tinyurl.com/nut6enn

Running your computer as a member of the Administrators group makes the system vulnerable to Trojan horses and other security risks. The simple act of visiting an Internet site or opening an e-mail attachment can be damaging to the system. An unfamiliar Internet site or e-mail attachment may have Trojan horse code that can be downloaded to the system and executed.

If you are logged on as an administrator of a local computer, a Trojan horse could reformat your hard drive, delete your files, and create a new user account with administrative access.

On a local computer, it is recommended that you add your domain user account only to the Users group (and not to the Administrators group) to perform routine tasks, including running programs and visiting Internet sites. When it becomes necessary to perform administrative tasks on the local computer, use Run as Administrator to start a program using administrative credentials.

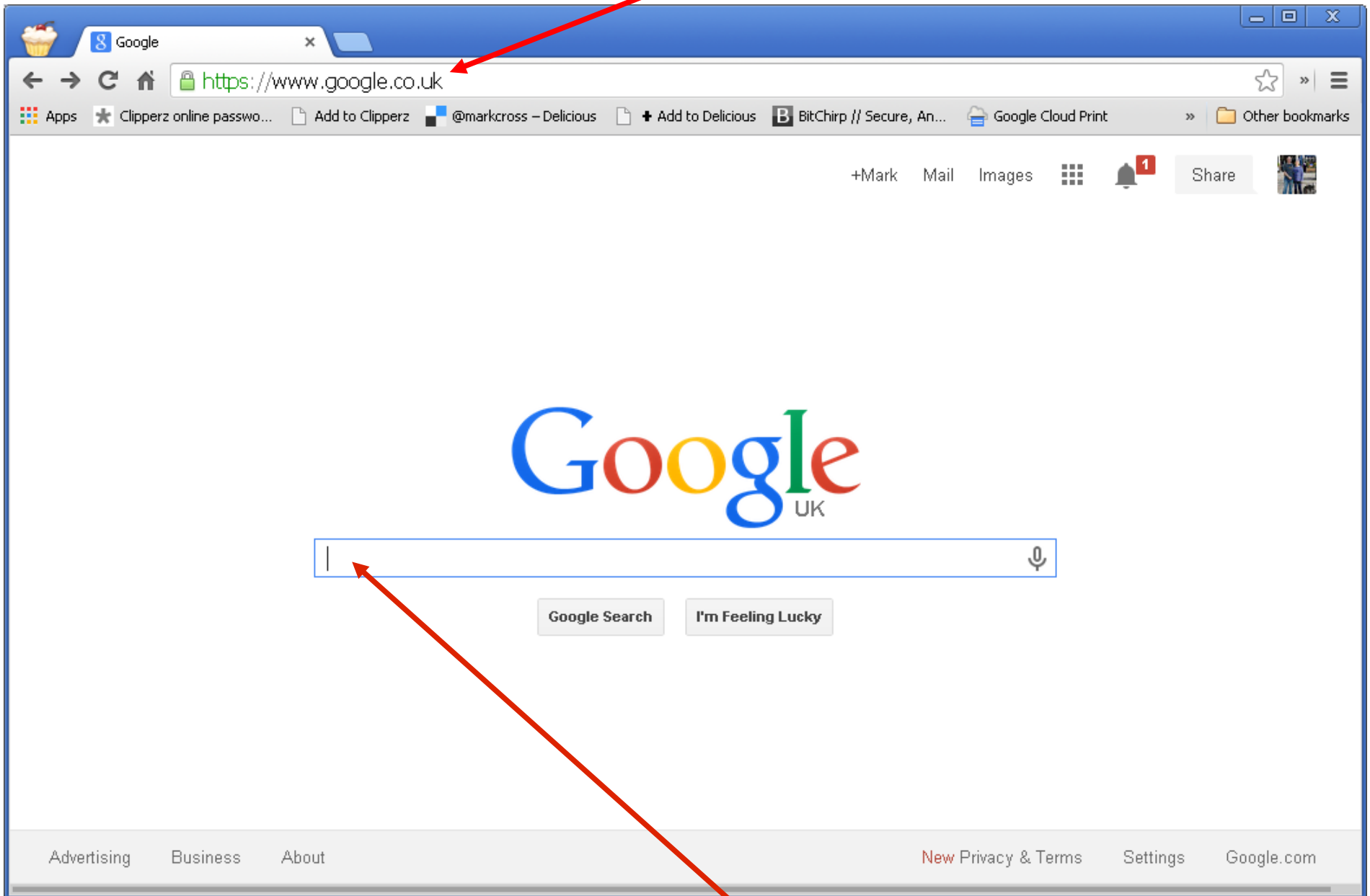
How do I do this?

- Control Panel→User Accounts→Manage Another→Create new account
 - As Administrator
- Log-off→Log-on as the new Administrator account
- Control Panel→User Accounts→Select Account→Change Account Type
 - As Standard User
 - Log-off→Log-on as old account as Standard User

Web browsers

- There are many
 - Internet Explorer
 - Microsoft's default web browser
 - Safari
 - Apple's default web browser
 - FireFox
 - Great if you have limited memory
 - Chrome
 - Full Google experience if you use Gmail
 - Easy to share bookmarks/favourites

WEB ADDRESS BAR OR INPUT



SEARCH BOX

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https://www.google.co.uk/#q=internet+explorer

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Microsoft Internet Explorer | x

www.browsersinfo.com/lp/review/microsoft-internet-explorer-10/NDAYnzAzMDhfNTJjNzMWwNjAyZjJjNg/?kw=inte

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Rating:	★★★★☆
Version:	10
File Size:	19 MB
Date Added:	2013-06-05
Price:	Free
Compatibility:	Windows 8 Windows 7
Search:	"internet explorer"

BrowsersInfo distributes software via a download manager. This software may be available [free elsewhere](#).

Microsoft Internet Explorer Overview

Internet Explorer 10 puts Microsoft's long ridiculed browser firmly within the top tier of browsers. In fact, with its newest iteration, it may have even passed the first of this next generation of browsers--firefox. Its sleek interface and fast speed combine to create an amazing browsing experience.



Pros

- Lean interface
- Comprehensive tabbed browsing
- Security and privacy features in line with other top tier browsers
- Middle of the pack HTML5 support in comparison with other top tier browsers

Cons

- No built in pdf reader
- No built in flash
- Slow in dealing with new web tech

Screenshots

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Browsersinfo

Download Manager Info

What is the BrowsersInfo Downloader?

The download manager manages the entire download process of your software, and the optional installation of 3rd party offers. The download manager downloads the software directly from the source (normally the OEM) website to the user's computer. The installer for the downloaded software is never modified, and is completely separate from our download manager. 3rd party offers are offered and installed as a completely separate process from the software download. The download manager will also include a "bundle" uninstaller, that will help uninstall any/all 3rd party offers that were offered to the user in the download manager. This page was created to let you know what information we collect, why we collect it and how we use it to improve your experience. View our [Privacy Policy](#) to learn more.

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Web Site Security

- Search Engines
 - Often your home page set by your ISP
 - Or set by malware/stealthware
 - Bing / google search / ask / mysearch
 - They are a HUGE security headache for you

Banking / Finance site

- How to access them
 - NEVER through the search box
 - Always through the address bar

Downloading software

- Downloading software
 - Why
 - Is your journey really necessary?
 - You 100% know the validity of the software?
 - Your friends have recommended it
 - Adobe Flash?
 - Adobe Reader?

Adobe - Adobe Reader, free x


get.adobe.com/reader/?promoid=JZEFU

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Adobe

Step: 1 of 3

Adobe Reader



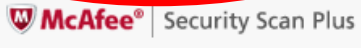
Version XI (11.0.04)
[System requirements](#)

Your system:
Windows 7, English
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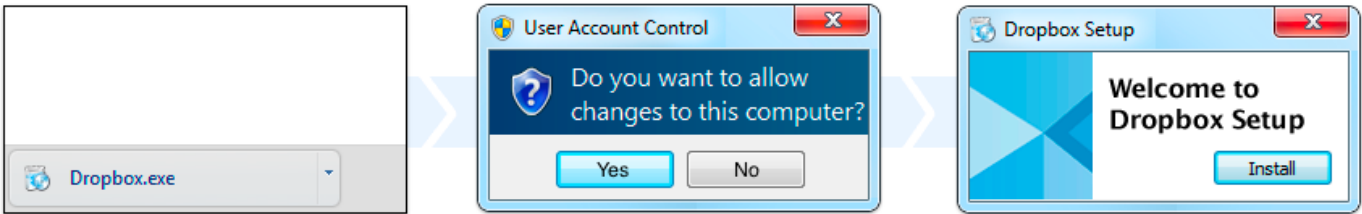
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Sign in



Downloading Dropbox...

Your Dropbox download should automatically start within seconds.
If it doesn't, [restart the download](#).



- 1. Run the Dropbox Installer**
Click on the .exe file that just downloaded in the lower left corner of your browser window.
- 2. Click Yes**
Click Yes to accept the User Account Control settings dialog.
- 3. Follow setup instructions**
Follow the instructions to get Dropbox set up on your computer and you will be good to go!

Need any more info? Check out our [tour](#) or [Help Center](#).

Dropbox 2.4.11.exe | Show all downloads...

Downloads

File Edit View Tools Help

Organize Open Share with Burn New folder

Search Downloads

Name	Date modified	Type
Dropbox 2.4.11.exe	03/01/2014 22:58	Application
LOT.zip	02/01/2014 22:59	zip Archive
OtpKeyProv-	02/01/2014 18:21	zip Archive
quarkcoin083	30/12/2013 15:22	zip Archive
Win64_all_Irr	29/12/2013 18:22	zip Archive
Quark-0.8.3r	29/12/2013 18:00	Application
client.zip	29/12/2013 16:40	zip Archive
EP00002284	29/12/2013 00:32	Application
VirtualCloneD	28/12/2013 21:58	Application
domains.csv	28/12/2013 19:51	OpenOffice.1
Owl City - the	26/12/2013 09:39	zip Archive
DuplicateClea	25/12/2013 19:43	Application
Windows7-US	25/12/2013 10:57	Application
dms.dmslog	23/12/2013 18:15	DMSLOG File
KeePass-2.24	22/12/2013 17:34	Application

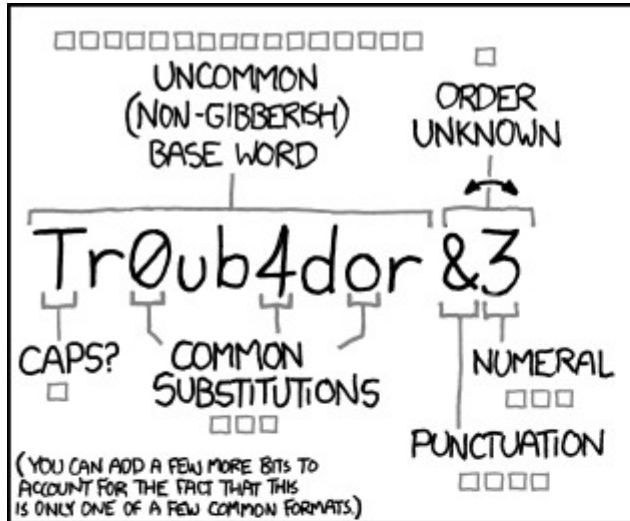
Dropbox 2.4.11.exe
Application
Date modified: 03/01/2014 22:58
Size: 34.6 MB
Date created: 03/01/2014 22:58

Perform ImmUNET Protect scan

Passwords

- How to come up with them
- How to check how good they are
- How to store them → “Passwords and more”

XKCD No. 936



~28 BITS OF ENTROPY

$2^{28} = 3 \text{ DAYS AT } 1000 \text{ GUESSES/SEC}$

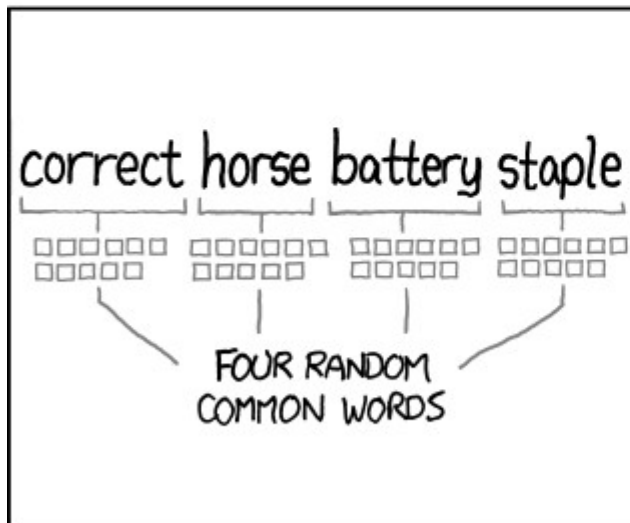
(PLAUSIBLE ATTACK ON A WEAK REMOTE WEB SERVICE. YES, CRACKING A STOLEN HASH IS FASTER, BUT IT'S NOT WHAT THE AVERAGE USER SHOULD WORRY ABOUT.)

DIFFICULTY TO GUESS: **EASY**

WAS IT TROMBONE? NO, TROUBADOR. AND ONE OF THE 0s WAS A ZERO?

AND THERE WAS SOME SYMBOL...

DIFFICULTY TO REMEMBER: **HARD**



~44 BITS OF ENTROPY

$2^{44} = 550 \text{ YEARS AT } 1000 \text{ GUESSES/SEC}$

DIFFICULTY TO GUESS: **HARD**

THAT'S A BATTERY STAPLE.

CORRECT!

DIFFICULTY TO REMEMBER: YOU'VE ALREADY MEMORIZED IT

THROUGH 20 YEARS OF EFFORT, WE'VE SUCCESSFULLY TRAINED EVERYONE TO USE PASSWORDS THAT ARE HARD FOR HUMANS TO REMEMBER, BUT EASY FOR COMPUTERS TO GUESS.

Mark Burnett's six rules

- Password, 1234, letmein, and anything else that you see on this common passwords cloud are not passwords
- If you google your password and get more than 10,000 results, it is not a password
- If your password is 8 characters or less, it is not a password
- If you use it on multiple sites, it is no longer a password
- If a password is older than 3 years, it has expired and is no longer a password
- If you tell someone your password, it is no longer a password