TIPS FOR SECURE BROWSING

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Introduction

- Tips for Safe Browsing ??
- At the Hardware Level
- At the Software Level
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- Browsers
- DNS
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- Pitfalls : Web
- Undercover
- Links

Tips for Safe Browsing

Use someone else's computer !

You need multiple levels and layers of security to be safe , but its not Rocket Science, really.

You need to teach yourself a little bit about computers and Networking !

Hardware

USB Devices, Data Cards, to a lesser extent CD's - avoid these for receiving or sending data / files.

Hardware

Instead offer to send via email, online file delivery (YouSendit, WeTransfer, DropBox) or online storage (Google Docs, SkyDrive).

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Hardware

Online delivery is safe (usually) since a virus scan is included in the service - e.g. GMail, Yahoo, Yousendit

Gmail › Help articles › Your Messages › Reading › About anti-virus scanning

Need to make a phone call? Learn how to call somebody right from Gmail!   Hide

About anti-virus scanning
Share   Comment   Print

Gmail automatically scans every attachment when it's delivered to you, and again each time you open a message. Attachments you send are also scanned. Checking attachments for viruses protects our users and their information, and prevents the spread of viruses.

- If a virus is found in an attachment you've received, our system will attempt to clean the file, so you can still access the information it contains. If the virus can't be removed from the file, you won't be able to download it.

- If our system is unable to scan certain files, you'll see an error reading 'Oops... the virus scanner has a problem right now.' You'll have the option to try again later or to download at your own risk. Please note that if Gmail can't scan the contents of the file, we can't guarantee that it's safe to view.

- If an attachment you're trying to send is infected with a virus, Gmail will display an error message to tell you, but it won't clean the file. To send the message without that attachment, click the link in that error message that says 'Remove attachment and send.'

- If Gmail detects that you're trying to send an infected attachment, we suggest running your anti-virus software in case your hard drive is infected. If you don't have anti-virus software, you might consider purchasing/installing one of the popular applications so you can protect your computer and information from viruses. The free Google Pack comes with leading anti-virus and anti-spyware applications -- you can find out more at the Google Pack homepage.

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Software

You could switch to an alternative, secure OS for e.g. Linux.

Many versions of Linux are available - one popular version is Ubuntu

Software

Carry your own OS and data on HDD - e.g. Slax (Linux OS for portable and removable drives)

Windows
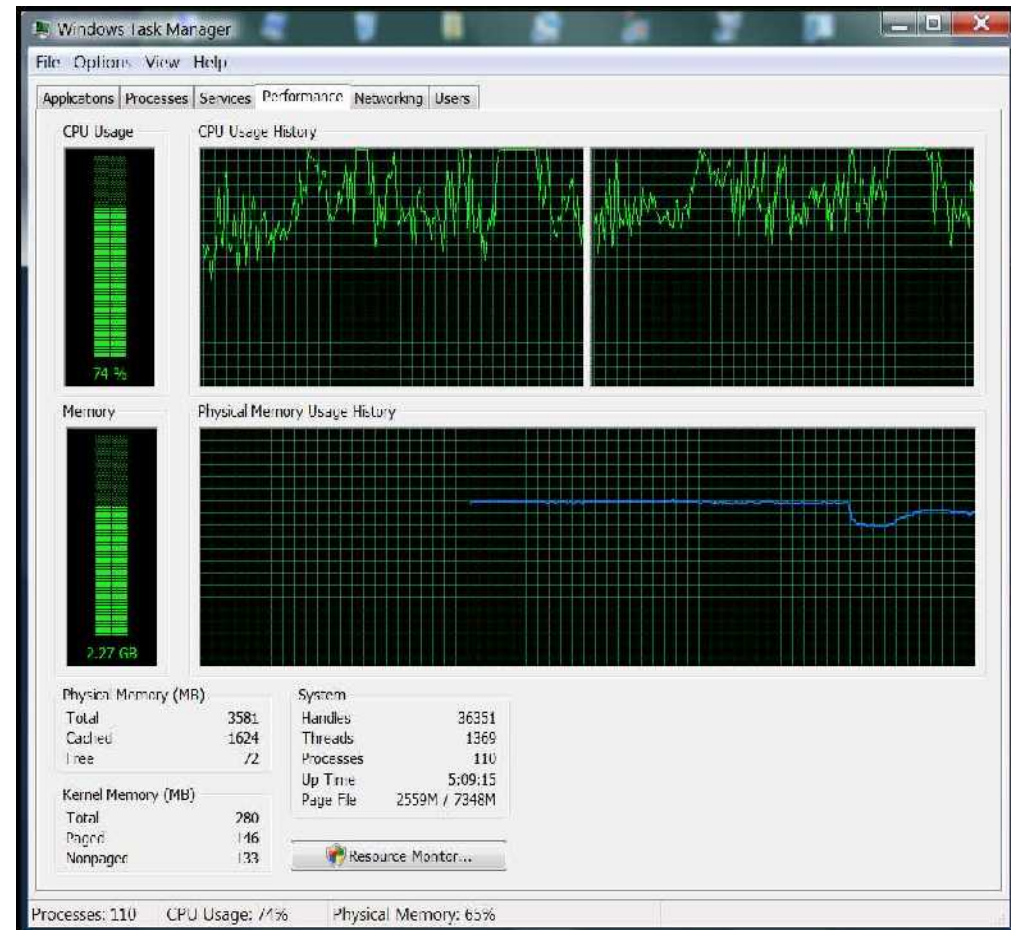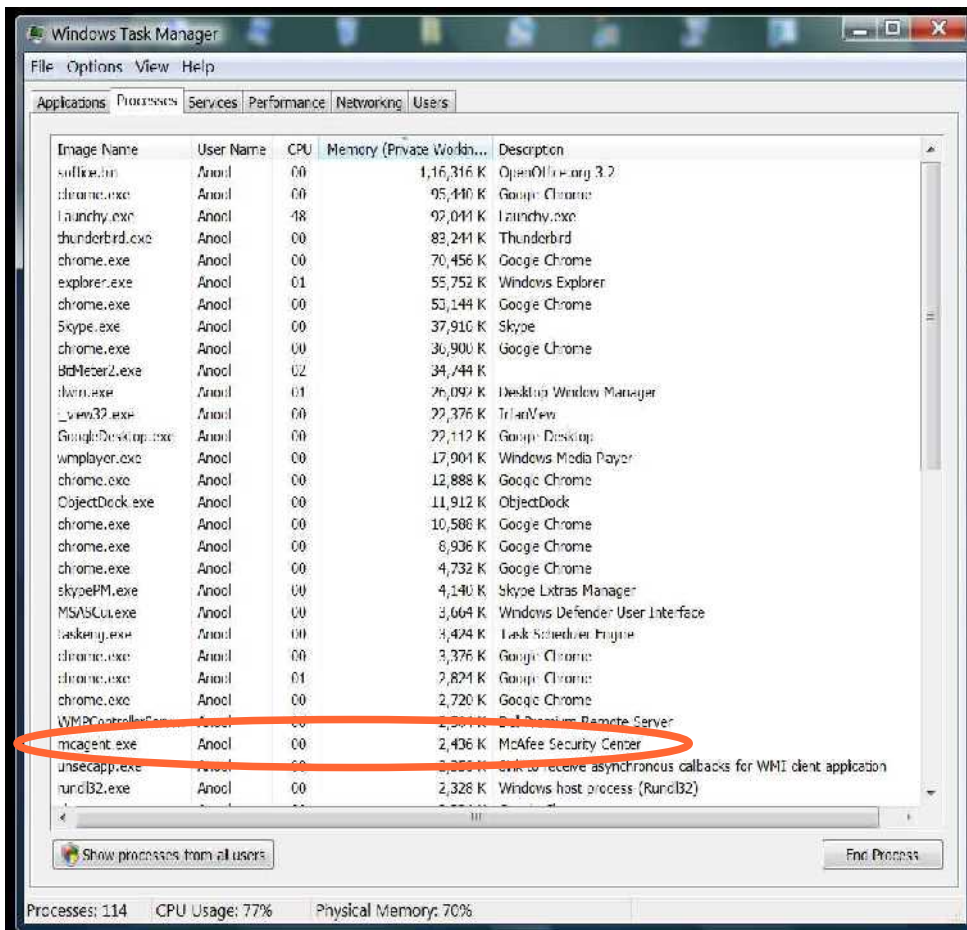
Ensure OS is updated (Automatic Updates) - Patch Tuesday.

Enable Firewall, Anti Virus and AntiSpyware
- Windows FW, Zone Alarm
- McAfee, Avast, AVG
- Spybot S&D, Ad-Aware etc

Windows

AV SW must ideally create a low memory load.

Windows

Use only one AV SW, but its possible to install two Antispyware SW.
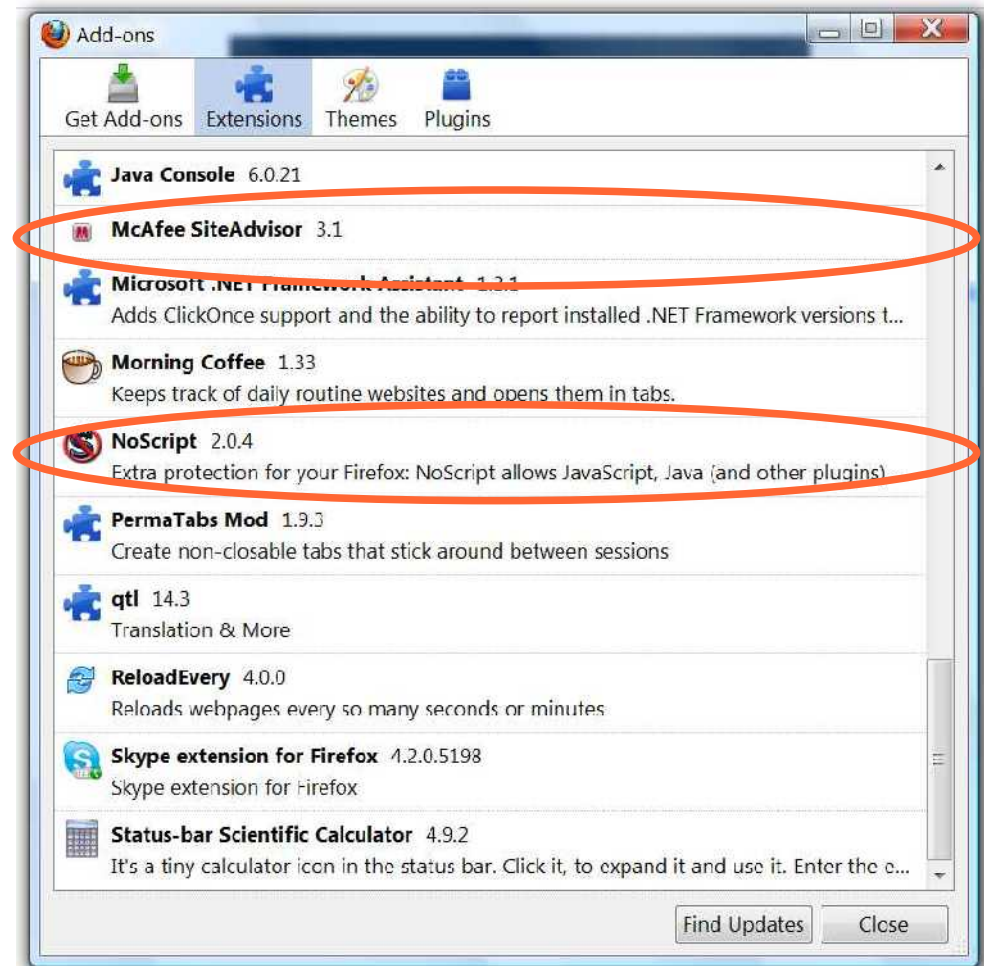MS offers a freebie - MS Security Essentials

Browsers

Upgrade to the most current version

Use alternatives instead of IE - Chrome, Firefox, Opera

Browsers

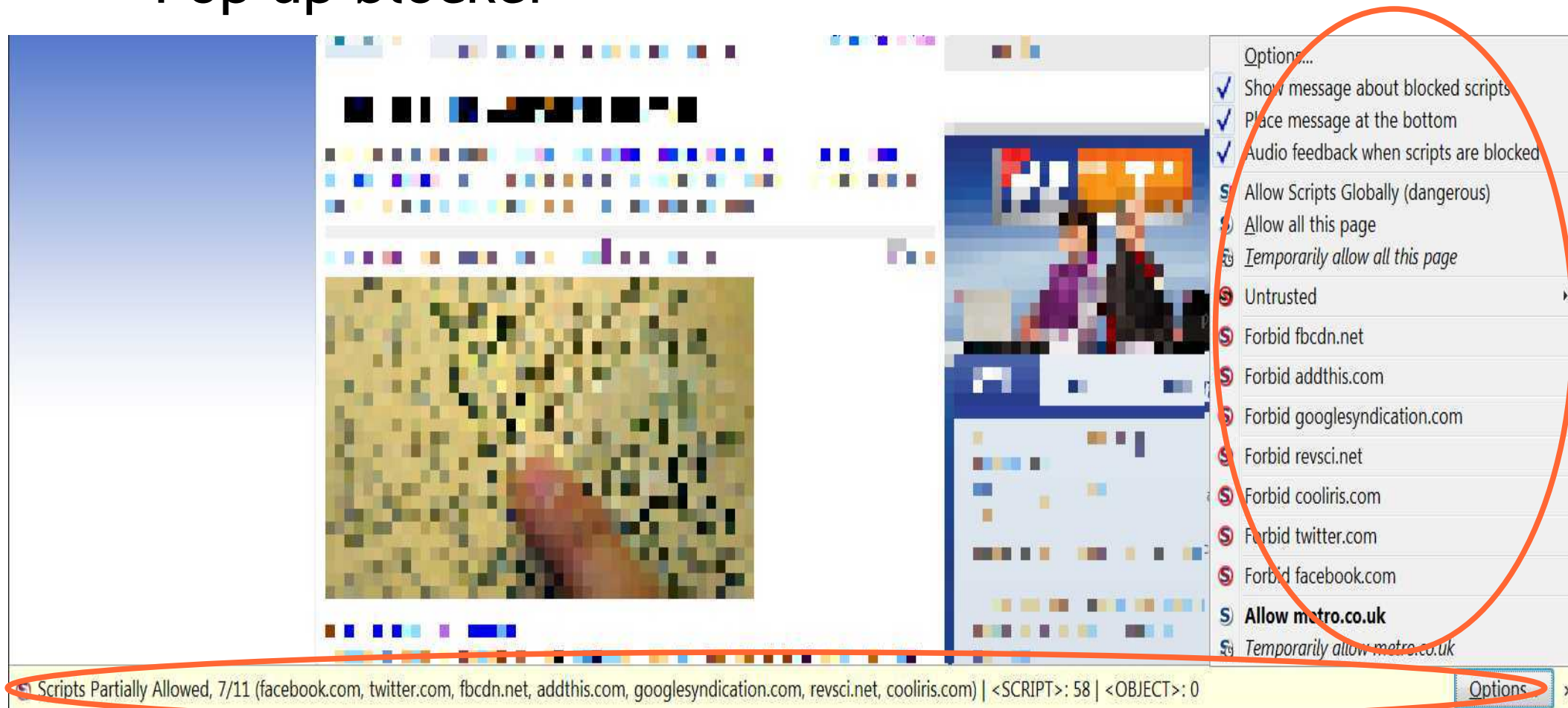Install Security add-ons and extensions
- Script Block, Ad-Block, Site Advisor, No-Script, Pop up blocker

Browsers

Install Security add-ons and extensions
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DNS

DNS = Domain Name System
- the process of assigning a Name (hostname) to an address (IP Number)
- acts like a translation service

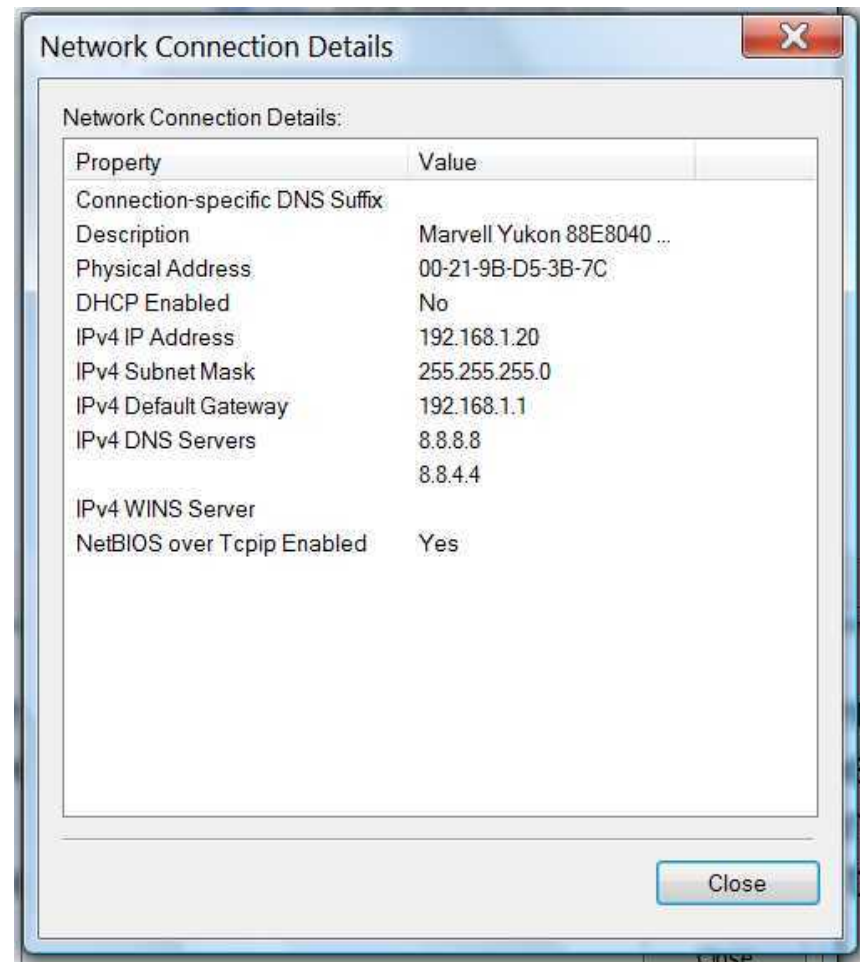e.g. http://www.google.com = 209.85.135.99

DNS

Domain Name Servers are located on Servers. A Client (Your computer) needs to know at least the address of one DNS server, so that it can start translating the names you type in the browser in to the corresponding IP address by looking up on the DNS.

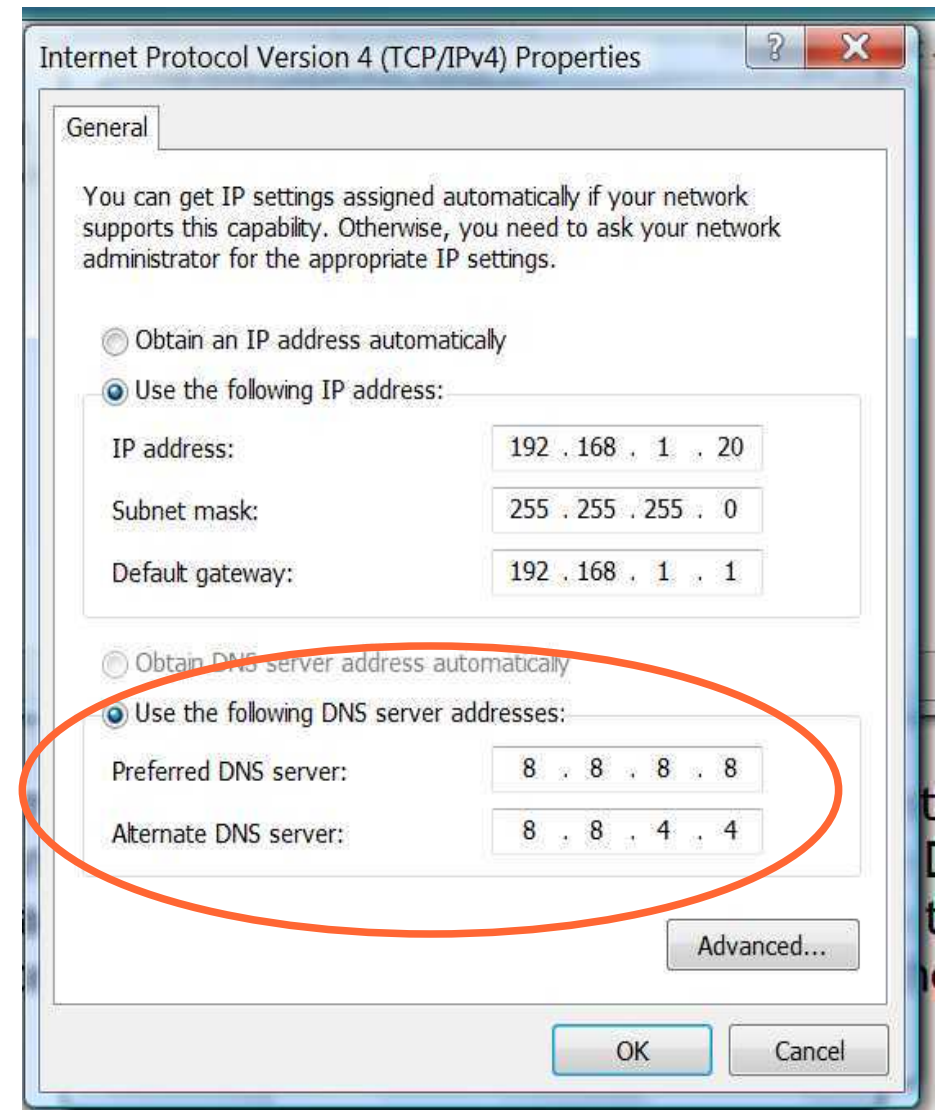# DNS

Your ISP gives you the IP address of their own DNS. Using a more secure DNS server provides an added layer of security

Network Connection Details

Network Connection Details:

Property	Value
Connection-specific DNS Suffix	
Description	Marvell Yukon 88E8040 ...
Physical Address	00-21-9B-D5-3B-7C
DHCP Enabled	No
IPv4 IP Address	192.168.1.20
IPv4 Subnet Mask	255.255.255.0
IPv4 Default Gateway	192.168.1.1
IPv4 DNS Servers	8.8.8.8
	8.8.4.4
IPv4 WINS Server	
NetBIOS over Tcpip Enabled	Yes

Close

DNS

Google DNS : 8.8.8.8 and 8.8.4.4

- no setup required

DNS

OpenDNS : 208.67.222.222 : 208.67.220.220
- content filtering, phishing protection etc
- requires registration (free) and some setup

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Pitfalls : Web

When in doubt, don't click blindly. Learn to read Links

classic email example - text and link are different :

http://www.citibank.co.in

Beware of fraud pop up windows.
- You get a warning informing your PC is infected.
- It says "Please click here to get a FREE virus check"
- (and the fine print is "thank you for clicking and allowing us to infect your PC")

Pitfalls : E-Mail

Avoid downloading message body in Email.
- Download headers only - most mail readers support this.
- Delete unwanted headers,
- and download message bodies of only the required mails.

Tip : Scripts can be embedded inside images too - so just viewing a message body can sometimes cause an infection.

Pitfalls : E-Mail

Else, switch off Preview mode, download mails, delete spam/junk.
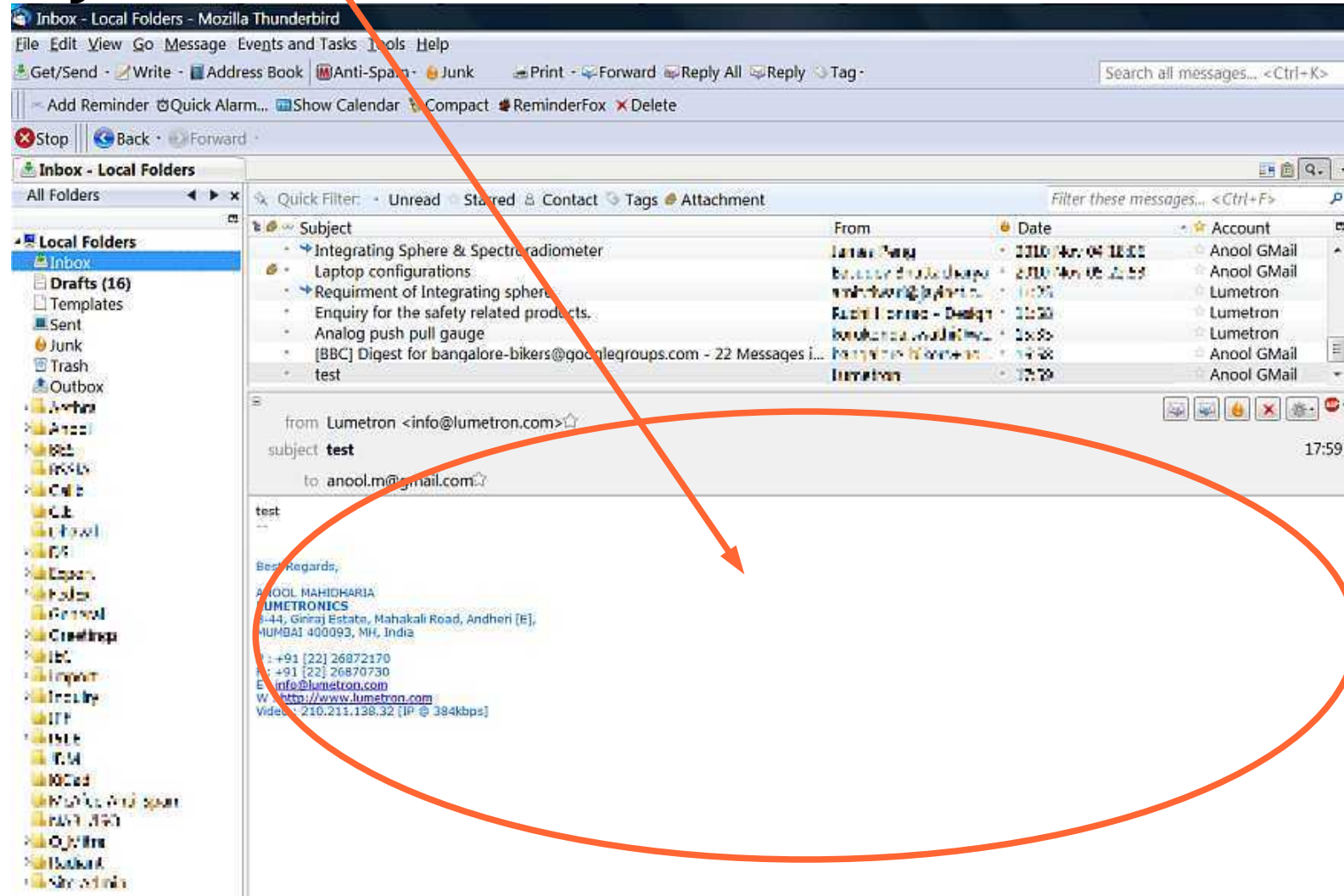
Undercover

When browsing from another computer (public place), use the Private Browsing (FF), Incognito Mode (Chrome), InPrivate Browsing (IE) modes.

Ensure to delete History, Stored Passwords, Cookies, Cache etc. if the above modes were not used.

Use Anonymous Surfing, e.g. http://anonymouse.org/ or similar

You can completely hide your tracks by using a more complex anonymizer like TOR (the Onion Ring)

Dynamic/Static IP, MAC Address-media access control

Social Networking

Facebook, Twitter, Orkut, MySpace, LinkedIn, Buzz, DailyMile, ??

Make sure to read all Security related Help available on each of these sites.

Enable Security to a level suitable to your level of paranoia

Social Networking

Social Networking

Choose Your Privacy Settings ▸ Customize settings

| ◂ Back to Privacy | Preview My Profile |

Customize who can see and comment on things you share, things on your Wall and things you're tagged in.

Things I share		
	Posts by me Default setting for posts, including status updates and photos	🔒 Friends of Friends ▾
	Family	🔒 Friends Only ▾
	Relationships	🔒 Friends Only ▾
	Interested in and looking for	🔒 Friends Only ▾
	Bio and favorite quotations	🔒 Everyone ▾
	Website	🔒 Everyone ▾
	Religious and political views	🔒 Friends Only ▾
	Birthday	🔒 Friends Only ▾
	Places I check in to	🔒 Friends Only ▾
	Include me in "People Here Now" after I check in Visible to friends and people checked in nearby (See an example)	☑ Enable

Edit album privacy for existing photos.

Things others share		
	Photos and videos I'm tagged in	🔒 Friends Only ▾
	Can comment on posts Includes status updates, friends' Wall posts, and photos	🔒 Friends Only ▾

Links

www.yousendit.com
www.ubuntu.com
www.slax.com
www.zonealarm.com
www.avast.com
www.free.avg.comwww.microsoft.com/security_essentials/
www.safer-networking.org/
www.lavasoft.com/products/ad_aware_free.php
www.opendns.com/
http://anonymouse.org/anonwww.html
www.torproject.org/

www.lmgtfy.com

Links - Google

- Igoogle   : Personalized Browser
- Alerts   : Let the News reach you.
- Analytics   : Monitor website statistics
- Blog   : Online diary
- Books   : Search/preview books
- Buzz   : Social Networking
- Calendar   : Event Planner/Reminder
- Chrome   : Browser
- Desktop   : Search
- Docs   : Online Docs - Text, Spreadsheet, Presentation, Forms, online storage, sharing
- DNS   : Domain Name system servers
- Earth   : 3d imagery, flybys, exploration,SKY
- Gmail   : Email

Thank You !

- Download Link : http://goo.gl/9KHgH

- PW to Open : qfwqd20101111

- QF_WQD_2010_11_11-share.pdf

- https://docs.google.com/fileview?id=0B6WZ7PvuRoXHNTFmZTlhZmItOWM5NS00YTFjLWI2MTctMWY2NmQxZDhhMzY5&hl=en&authkey=CKWdk7gK