

Greensboro Computer Center for Seniors



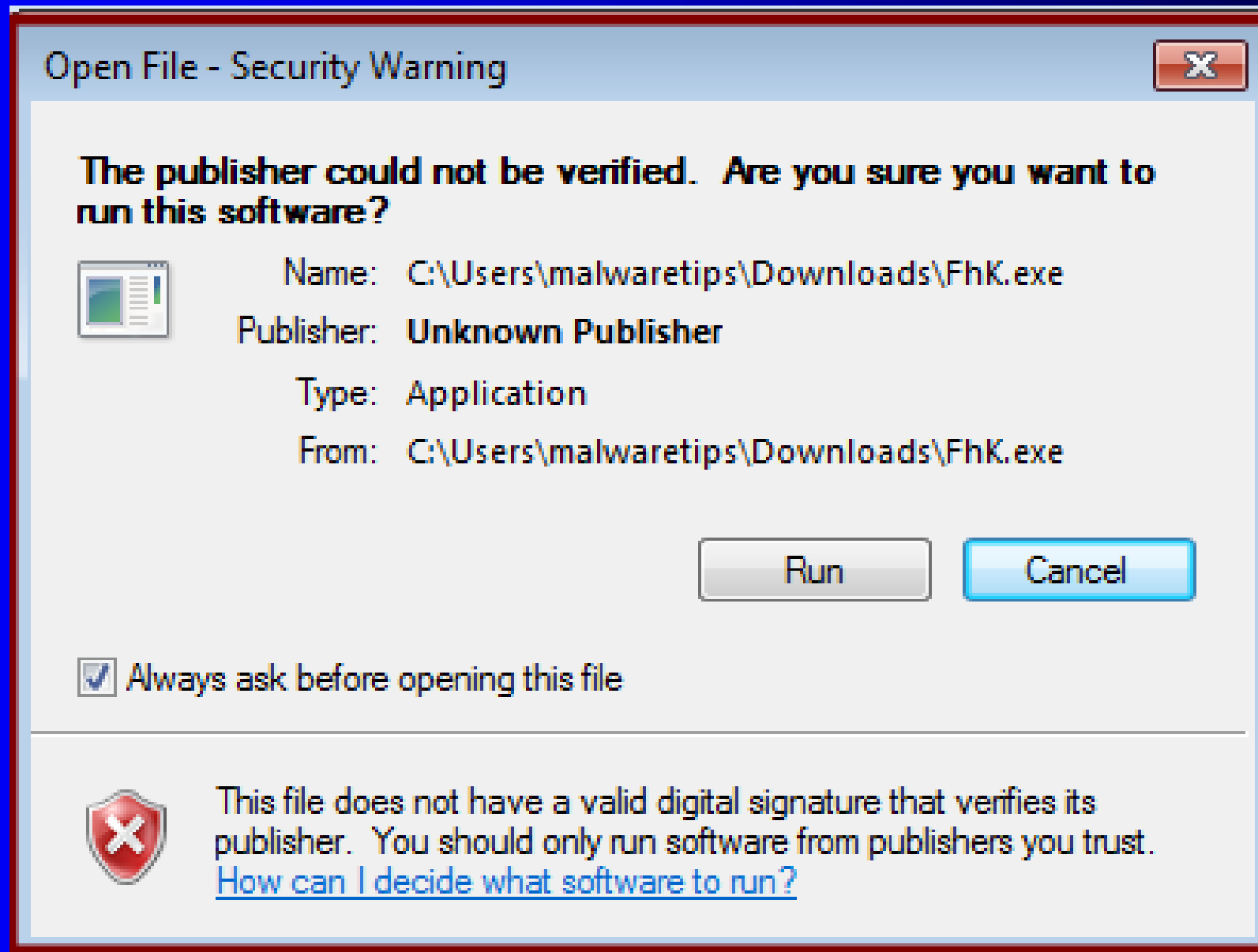
www.shepnetgreensboro.org

Security for Home Computers

Let's talk about a few things...

- Be careful what you download.
- Where did this problem come from?
- What should I be on the lookout for?
- How do I protect myself?
- Email Scams and Keylogging
- Others

Do you remember seeing this?



Download files only from trusted sources

Free Screensavers | Screensaver.com

www.screensaver.com/ ▼

Screensaver.com - Your #1 source for original screensavers. Free 3D animated screensavers for your computer.

Free Screensavers and Free Wallpapers at Popular ...

www.popularscreensavers.com/ ▼

Get thousands of free Screensavers and free Wallpapers for your desktop at Popular Screensavers. We've got 3D, Animated, Nature, and Animal Screensavers, ...

Free Screensavers - American Greetings

www.americangreetings.com/.../screensavers.pd ▼ American Greetings ▼

Free desktop screensavers and animated wallpaper for Windows XP. Find desktop themes and an animated screensaver in many styles, including nature ...

Free Screen Savers

www.free-screen-savers.to/ ▼

A collection with preview images. Includes animals, holiday, 3D, space and religious.

Webshots: Desktop Wallpaper HD Screensaver for ...

www.webshots.com/ ▼ Webshots ▼

Download Free Desktop Wallpaper HD & Screensaver photos every day! Over 1600 high-resolution professional photos.

Screensavers for Windows - Free downloads and reviews ...

download.cnet.com > ... > Screensavers & Wallpaper ▼ Download.com ▼

Results 1 - 10 of 5640 - The most downloaded Screensavers software, including The Matrix Screen Saver, Sim Aquarium, and Aquarium Screensaver.

How did my PC get infected?

- From Browser Tool Bars.
- From a website.
- From pop-up windows.
- From email.
- From physical media (thumbdrives/CD's).
- From another piece of software.

If you didn't go looking for it,

...don't install it!



Adobe Flash Player 10.2.159.1 (2.74 MB)

Your system: Windows, English
Different operating system or browser?

Learn more | System requirements | Distribute Flash Player

Include in your download

Free Google Toolbar (optional) (2.12 MB)
Search Google from any web page, block pop-ups

Learn more | Privacy policy | License

[Download now](#)

By clicking the Download Now button, you acknowledge you have read and agree to the Software Licensing Agreement and the Google Toolbar Software License Agreement.



Java Setup

ORACLE

We recommend installing the **FREE Browser Add-on from Ask**

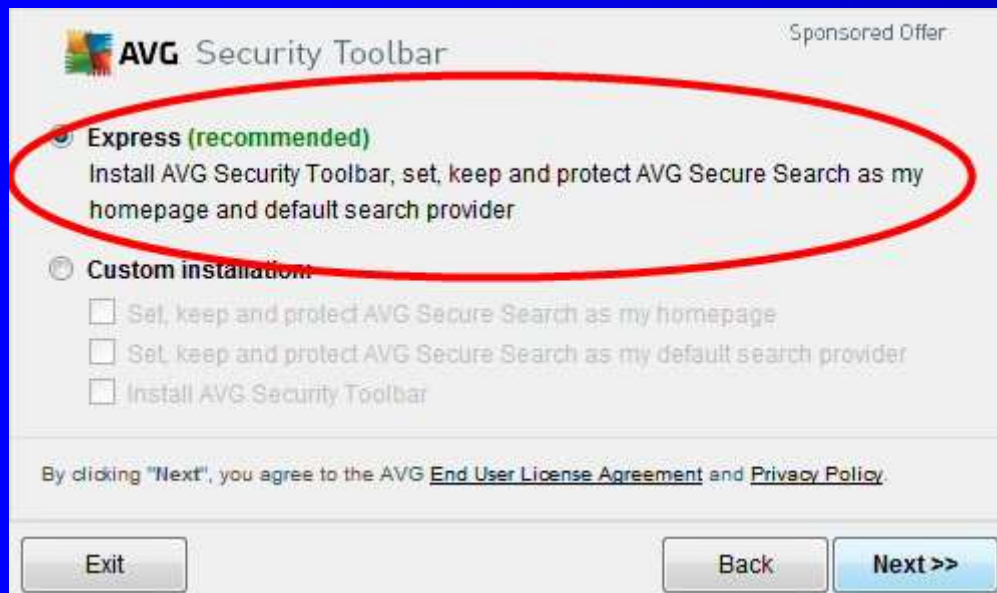
Get the best of the Web delivered to you!

Receive Facebook status updates directly in your browser, listen to thousands of top radio stations, and get easy access to search, YouTube videos, local weather, and news. Supports Internet Explorer, Google Chrome and Mozilla Firefox.

Install the Ask Toolbar and make Ask my default search provider

By installing this application and associated updater from Ask.com, your use is subject to the Ask.com Terms and Conditions and Privacy Policy.

Cancel Next >



AVG Security Toolbar

Sponsored Offer

Express (recommended)
Install AVG Security Toolbar, set, keep and protect AVG Secure Search as my homepage and default search provider

Custom installation

- Set, keep and protect AVG Secure Search as my homepage
- Set, keep and protect AVG Secure Search as my default search provider
- Install AVG Security Toolbar

By clicking "Next", you agree to the AVG [End User License Agreement](#) and [Privacy Policy](#).

Exit Back Next >>



CCleaner v4.04 Setup

CCleaner recommends Google Chrome, a faster way to browse the web

Install Google Chrome as my default browser

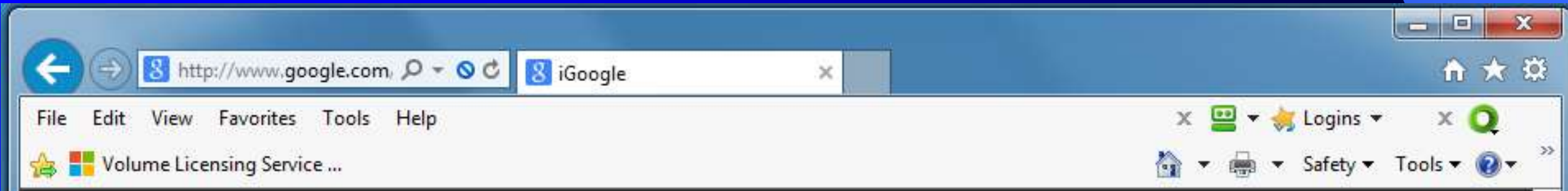
Also include Google Toolbar for Internet Explorer

By installing this application, you agree to Google [Terms of use](#) and [Privacy policy](#)

www.piriform.com

< Back Install

Got Tool Bars?



OK...”what do I really need to watch for”

Malware is a generic term for malicious software of any type. It consists of:

- Viruses
- Spyware and Adware
 - Keyloggers
 - Email Scams
- Social Engineering

What does a Virus look like?

These are common signs of virus:

- Your computer takes a full cup of coffee to boot up.
- Your computer has slow response time when it tries to do any task.
- You get constant pop-ups and ads on the Internet.
- Huge decrease in download speed.
- New icons on the desktop.



What does Spyware and Adware look like?

- Additional Browser Toolbars
- Brower change
- Influx of unwanted emails
- Unwanted re-directs
- Intrusive Banners
- Unwanted Pop-ups

How do I protect myself from these things?

- Antivirus program
- Malware/Spyware program

You absolutely need both!

Antivirus Program

My personal recommendation:

Microsoft Security Essentials

- *It is free and has automatic updates
- ** If you already have one, keep it!

Malware/Spyware Program

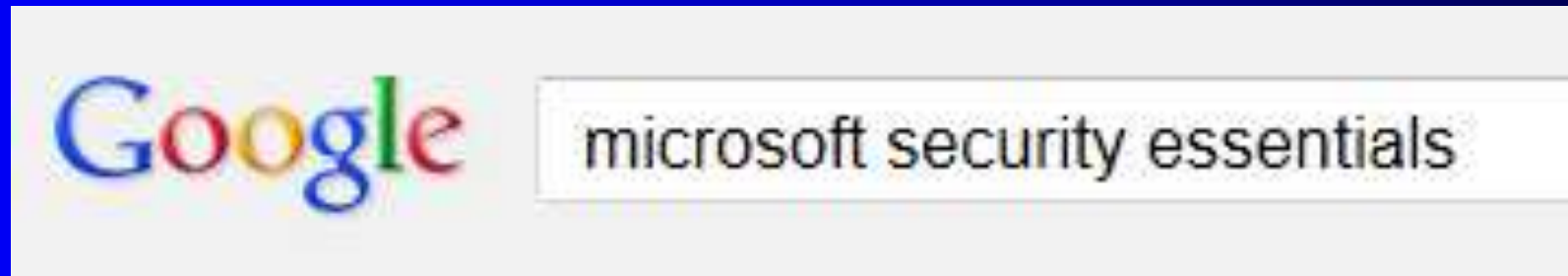
My personal recommendation:

Malwarebytes Pro

*It is \$25 annually and has automatic updates.

**If you already have one, keep it!

Where do I get these programs?



Ad related to microsoft security essentials ⓘ

Microsoft Security Essentials - Free Download 🟡

security-essentials.downloadinfo.co/

★★★★★ 38 reviews for downloadinfo.co

Priceless Protection Get The Newest **Security Essentials!**

100% Free

Quick & Easy Install

[Download Now](#)

Trusted by Millions

Microsoft Security Essentials - Microsoft Windows 🟢

windows.microsoft.com/en-us/windows/security-essentials-download ▼

Find out how **Microsoft Security Essentials** helps guard your PC against viruses, spyware, and other malicious software and download Microsoft Security ...

[Protect your PC](#) - [Product info](#) - [Endpoint Protection](#)



malwarebytes pro

[Support for Malwarebytes - guruaid.com](http://www.guruaid.com) 

www.guruaid.com/malwarebytes_support

★★★★★ 690 reviews for guruaid.com

Antivirus Support by GuruAid Techs, 95% Satisfied Customers. Call Now!

Support for Malwarebytes - Toll Free: 1-855-239-0514 - Free Diagnosis

[Malwarebytes Anti-Malware PRO](http://www.malwarebytes.org/products/malwarebytes_pro/) removes malware including 

www.malwarebytes.org/products/malwarebytes_pro/ ▼

Malwarebytes Anti-Malware PRO detects AND protects in an easy-to-use, straightforward, ... Want to take a test drive of Malwarebytes PRO before purchasing?

OK...that is your starting point for both
antivirus and malware programs!

- They must *ALWAYS* be up-to-date and upgraded as needed.
- Set to “Automatic” updates and scans with both products.
- If you see a pop-up window in the lower right of the screen that asks you to update your security program – DO IT!

In other words, YOU must take an active role in your
computer’s security!!

Enabling Windows 7 Updates

The screenshot shows the Windows 7 Control Panel window with the 'System and Security' category selected. The address bar shows the path: Control Panel > System and Security. The page title is 'Control Panel Home'. The left sidebar lists various system settings, with 'System and Security' highlighted. The main content area displays several system tools, each with an icon and a list of links. Three red boxes with white numbers are overlaid on the image: box '1' is over the address bar, box '2' is over the 'System and Security' link in the sidebar, and box '3' is over the 'Windows Update' link in the main content area.

1

2

3

Control Panel Home

- **System and Security**
- Network and Internet
- Hardware and Sound
- Programs
- User Accounts and Family Safety
- Appearance and Personalization
- Clock, Language, and Region
- Ease of Access

Action Center
Review your computer's status and resolve issues | Change User Account Control settings | Troubleshoot common computer problems | Restore your computer to an earlier time

Windows Firewall
Check firewall status | Allow a program through Windows Firewall

System
View amount of RAM and processor speed | Check the Windows Experience Index | Allow remote access | See the name of this computer | Device Manager

Windows Update
Turn automatic updating on or off | Check for updates | View installed updates

Power Options
Require a password when the computer wakes | Change what the power buttons do | Change when the computer sleeps

Backup and Restore
Back up your computer | Restore files from backup

Administrative Tools
Free up disk space | Defragment your hard drive | Create and format hard disk partitions | View event logs | Schedule tasks

If...

...you do these things – as needed and regularly – you can forget problems from viruses and malware.

Keylogging

It is simply logging your keystrokes!

So what and who cares?

The screenshot shows a Wireshark capture of an SMTP session. The filter is set to `addr eq 165.212.11.125 and ip.addr eq 202.149.209.186 and (tcp.port`. The packet list shows several SMTP-related packets. Packet 363451 is highlighted, showing an SMTP response from 202.149.209.186 to 165.212.11.125. The message body of this packet is expanded and highlighted with a red box, containing the following text:

```
...amazon.comTab:Tab:nikoncam[BS]
eraedpring@triad.rr.com12344321EdPring125NMainStreetGreens[BS]
boroNC27410UnitedStates3361111212AmericanExpress123456789876[BS][BS]
54320909[CR:] [server:348.125.310.167][Name Key Return:]....
```

Below the message body, the raw data is shown in hexadecimal and ASCII. The ASCII portion includes the sequence `..P.<..~.. ^Aw..E.` and `.....0. i.....}..`.

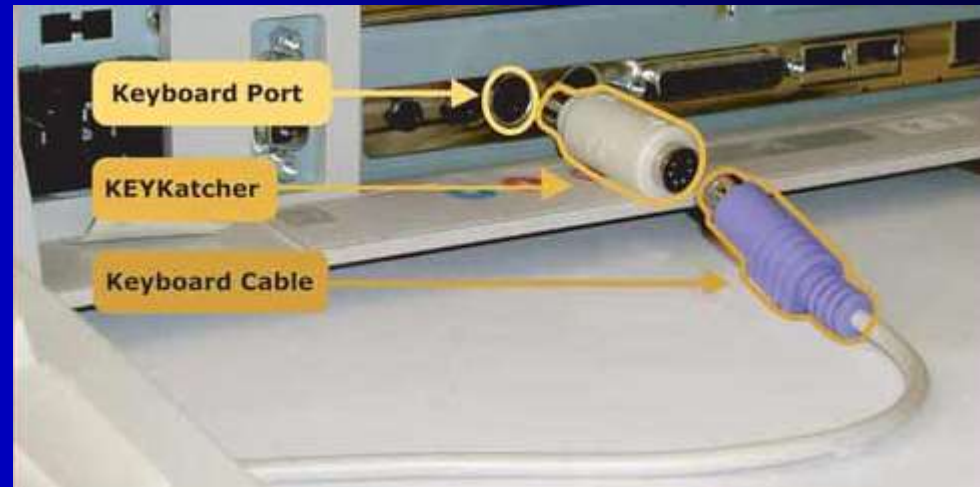
...amazon.com[Tab:][Tab:]nikoncam[BS]eraedpring@triad.rr.com
12344321EdPring125NMainStreetGreens[BS]boroNC2741oUnit
edStates336111212AmericanExpress123456789876[BS][BS]5432
0909[CR:] [server:348.125.310.167][Name Key Return:]....

Where and how does this happen?

Where:

- Cyber cafes
- Hotels
- Cruise Ships
- WiFi Spots

How:



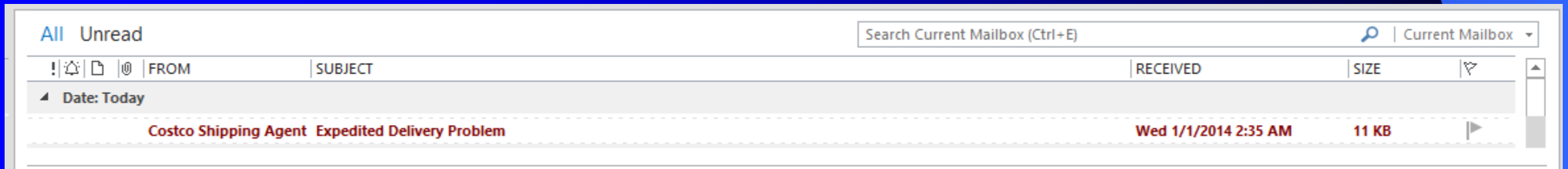
There is a VERY easy solution to this...

When you are on a “public” network,
ALWAYS assume there is a keylogger.

You never transmit secure information over
an unsecured network.

Email Scams

Email scammers are getting more clever by the day. Many new email scammers will use something called "social engineering" to try to trick people into opening them and thus infecting their systems.





FILE MESSAGE ADOBE PDF

Ignore X Delete Reply Reply All Forward Meeting More

Create New

Move Rules OneNote Actions

Mark Unread Categorize Follow Up

Translate Find Related Select

Zoom



Wed 1/1/2014 2:19 AM

Costco Shipping Agent <manager@zianschool3.ru>

Expedited Delivery Problem

To edpring@triad.rr.com

If there are problems with how this message is displayed, click here to view it in a web browser.



Unfortunately the delivery of your order [COS-0018105623](#) 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 dont get your timely reply you will be paid your money back less 21%** since your order was booked for Christmas.



Sun 8/4/2013 5:08 PM

[REDACTED]@com>

A very dangerous virus.

To [REDACTED]

Folks,

This information came to me from an extremely reliable source. There is a new, devastating virus spreading throughout the country. This virus is called the "Doomsday Virus" and once activated will destroy your hard drive in a matter of seconds. When the virus is activated, it is placed in the C:\windows\system32\AdvancedInstallers folder. The name of the activated file is cmiv2.dll.

If you see this file, you **MUST DELETE THE ENTIRE \system 32 folder**. This folder is rebuilt by Microsoft when you reboot.

Be very afraid of this virus.

PLEASE forward this email on to your friends and family. It is most important!

Ed

Let's talk passwords.....



“My memory really sucks Mildred, so I changed my password to “incorrect.” That way when I log in with the wrong password, the computer will tell me... “Your password is incorrect”

These are NOT passwords...

eapring

calvinandhobbs

Your dog or cat's name

123456789

Password

foobar

qwerty

Your husband's or your wife's name

Your own user name

...and of course, "incorrect"

Suggestions...

- Never use a real word.
- Make it at least 8 characters long.
- Use uppercase, lowercase letters and numbers.
- Make it personal – so you can remember it!

“Uncle Larry flew bombers over Germany in 1943.”

My password now is:

ULfboGi1943

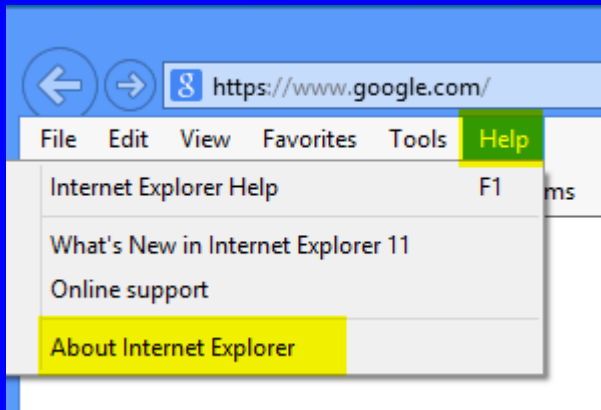
...couple of other things!

If you are using Windows 7...

...and if you use Windows Explorer

Upgrade to Internet Explorer 11

MUCH better security.



About Internet Explorer



Internet Explorer®11

Version: 11.0.9600.17031

Update Versions: 11.0.7 (KB2919355)

Product ID: 00150-20000-00003-AA459



Install new versions automatically

© 2013 Microsoft Corporation. All rights reserved.

Close

Do you remember this slide?

Free Screensavers | Screensaver.com

www.screensaver.com/

Screensaver.com - Your #1 source for original screensavers. Free 3D animated screensavers for your computer.

Free Screensavers and Free Wallpapers at Popular ...

www.popularscreensavers.com/

Get thousands of free Screensavers and free Wallpapers for your desktop at Popular Screensavers. We've got 3D, Animated, Nature, and Animal Screensavers, ...

Free Screensavers - American Greetings

www.americangreetings.com/.../screensavers.pd

Free desktop screensavers and animated wallpaper for Windows XP. Find desktop themes and an animated screensaver in many styles, including nature ...

Free Screen Savers

www.free-screen-savers.to/

A collection with preview images. Includes animals, holiday, 3D, space and religious.

Webshots: Desktop Wallpaper HD Screensaver for ...

www.webshots.com/

Download Free Desktop Wallpaper HD & Screensaver photos every day! Over 1600 high-resolution professional photos.

Screensavers for Windows - Free downloads and reviews ...

download.cnet.com

Results 1 - 10 of 5640 - The most downloaded Screensavers software, including The Matrix Screen Saver, Sim Aquarium, and Aquarium Screensaver.

The program is called My WOT

www.mywot.com



It is not infallible, but a great early warning system!

How to easily avoid PC problems

The single biggest factor in preventing a malware infection, virus or costly scam is YOU.

Remember...we didn't get this old by being stupid!

Any questions??

Greensboro Computer Center for Seniors



www.shepnetgreensboro.org