Computer Security

Chodzi lisek koło drogi, Nie ma ręki ani nogi, Kogo lisek przyodzieje, Ten się nawet nie spodzieje

From the news

- Canada, U.S. issue joint alert on 'ransomware' after hospital attacks
- San Diego-based Alvarado Hospital Medical Center was hit by a "malware disruption" on March 31, the San Diego Union-Tribune reports. A spokesperson for the 306-bed hospital confirmed the cyber attack, but would not say which systems had been affected.
- The most well-documented ransomware incidents have hit the medical industry. Hollywood Presbyterian Medical Center in Los Angeles paid 40 bitcoins about \$17,000 to decrypt its files.
- Four weeks later, Methodist Hospital of Henderson, Kentucky, said a piece of ransomware known as Locky infected its systems, according to computer security writer Brian Krebs. The hospital did not pay a ransom but was able to restore its systems, according to a local news report.
- Adobe Systems Inc issued an emergency update on Thursday to its widely used Flash software for Internet browsers after researchers discovered a security flaw that was being exploited to deliver ransomware to Windows PCs.

Computer Security

Glossary

Computer Malware Viruses Trojan Horses Spyware Ransomware

Phishing
Spoofing
Drive-by download (drive by installation)
Virus and Spyware definition file
Zero Day Attack

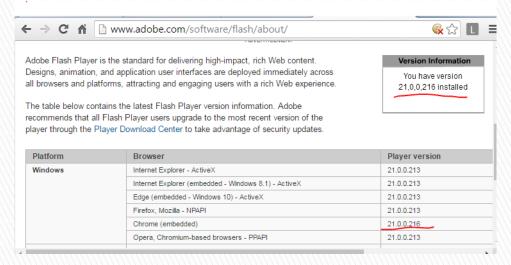
Backups, Backups, Backups.

The only 100% protection from ransomware. Disconnect the backup media

Updates, Patching

Windows updates – set to automatic.

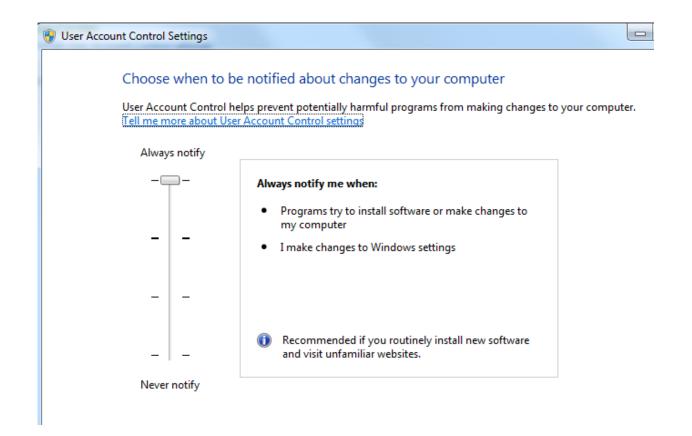
Adobe flash – always from Adobe site
this week emergency update to Flash version 21_0_0_213
check here :C:\windows\System32\Macromed\Flash – for IE
or on the Web Site: http://www.adobe.com/software/flash/about/



Protection

UAC User Access Control

It is annoying, but put it on In Control Panel select "User Accounts" and "Change User Account Control settings" Move the point to "Always notify"

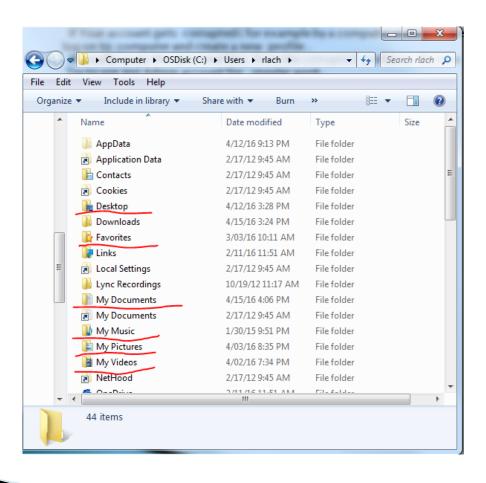


User Accounts

Create a spare user account and put in Administrators group.

If Your account gets corrupted (for example by a computer malware) use the spare admin account to log on to computer and create a new profile.

Manually copy the personal files from the corrupted profile to the new one.



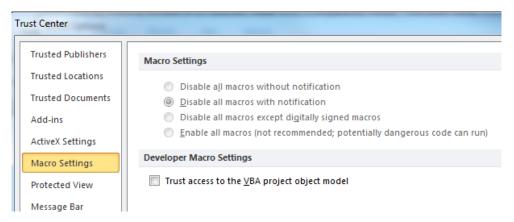
MS Office configuration

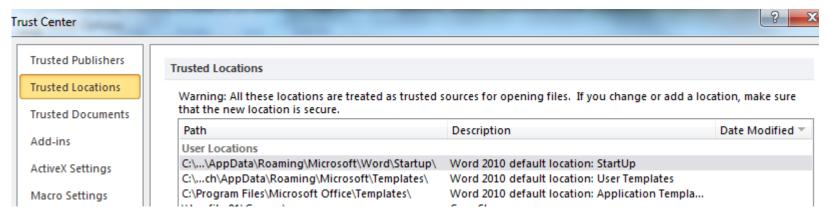
Disable Macros.

Create\Add Trusted Locations

In MS Word select: File \ Options \ Trust Center \ Trust Center Settings.

Select " Disable all macros with notification "





Add some "trusted Locations"

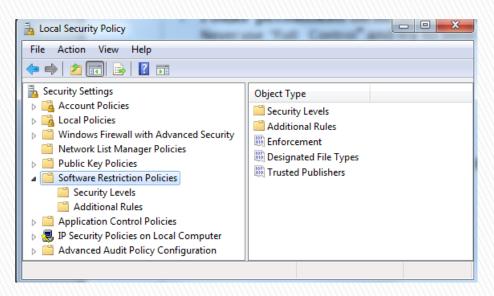
- Log on as regular user , not the administrator
- Folder permissions on network drives

 Never use "Full Control" and try to limit "modify" permission

Software Restriction Policy

Disable PowerShell !!

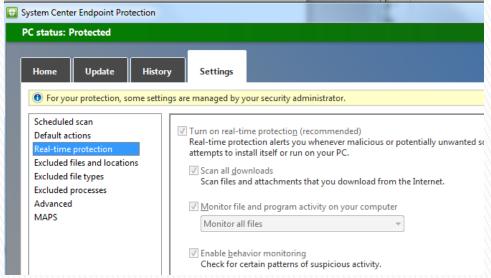
Location: C:\Windows\System32\WindowsPowerShell\v1.0

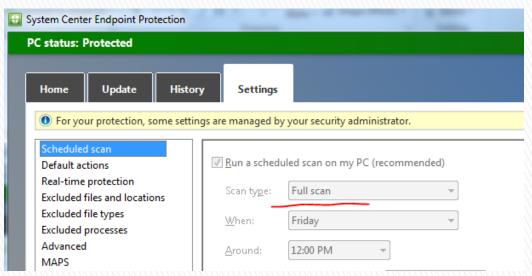


Protection

Anti-virus software - configuration

DEMO - Endpoint Protection . Turn on real-time protection. Schedule full scan



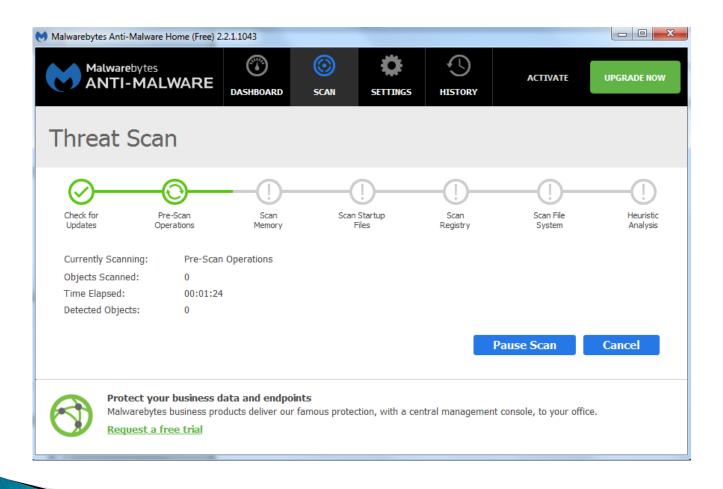


Anti-virus Software

Malwarebites. Great tool for one time scanning, it does not replace anti-virus software.

https://www.malwarebytes.org

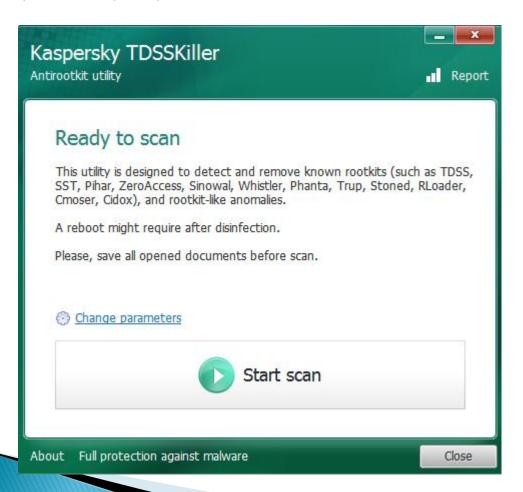
https://www.malwarebytes.org/mwb-download/thankyou/ download the free version.



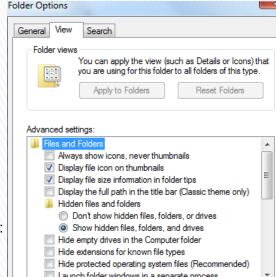
TDSKiller from Kaspersky Lab

Kaspersky TDSSKiller from Kaspersky Lab is a free utility that detects and removes rootkits and rootkit-like anomalies.

http://usa.kaspersky.com/downloads/TDSSKiller



Folder Option "Show hidden files, folders and drives. DEMO



Manually detect and remove malware:

Check the locations for any strange *.exe or *.dll files :

C:\ProgramData\.. C:\Users****\AppDat...

C:\Users****\Downloads

Delete temp and cached files.

C:\Users****\AppData\Local\Temp\..... C:\Users****\AppData\LocalLow\Sun\Java\Deployment\cache

C:\Users****\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5

C:\Users****\AppData\Local\Google\Chrome\User Data\Default\Cache

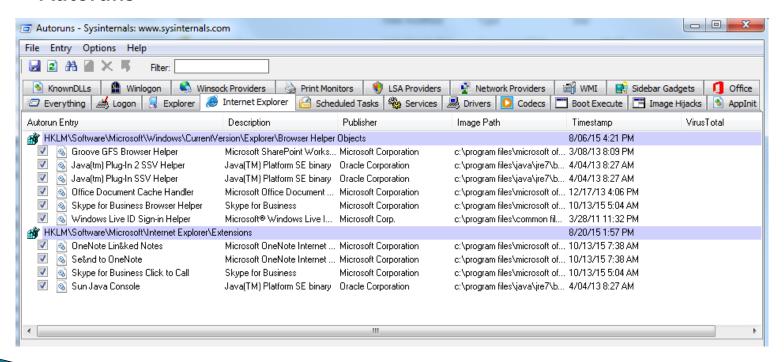
Malware Removal

What Is running on Computer ????

- Task Manager
- Sysinternals tools downloaded from

https://technet.microsoft.com/en-us/sysinternals/bb842062

Autoruns



Process Explorer

	File Options View F			Help					
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Supping Tool exe	Process		PID	CPU	Private Bytes	Working Set De	escription	Company Name	
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	Snipping Tool.exe		6344	1.86	3,904 K	8,240 K Sni	pping Tool	Microsoft Corporation	
POWERPNT.EXE	notepad.exe		4332		1,708 K	728 K Not	tepad	Microsoft Corporation	
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	notepad.exe		3384		1,712 K	2,996 K Not	tepad	Microsoft Corporation	
Chrome.exe	mstsc.exe		7868		19,012 K	11,788 K Rer	mote Desktop Connection	Microsoft Corporation	
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How to manually remove malware

- Simply remove the *,.exe or *,dll file .Usually does not work.
- Kill the process and try to remove it again, still does not work.
- Remove the process from start -up (Autoruns utility)
- Rename the malware files, change the extensions. Often the malware files are re-created. If the file are re-created with the same name create folder with the same name. Use DOS script.

Del malware.exe MD malware.exe.

Restart the PC