

Appendix B

List of Useful Software Utilities and Websites

Introduction

This appendix has two parts:

Part I discusses about list of software utilities for computer system protection.

Part II discusses about resourceful websites, magazines and books.

Part I: Software Utilities for Computer System Protection

As mentioned in this book, in the modern world, there are larger and larger number of corporate assets that are informational in nature and these assets reside on corporate networks. As individuals, we depend more and more on the information that is on the Internet. We access that information on demand. Our computer desktops, laptops and hand-held digital devices hook into the corporate networks as well as onto the Internet where cyberthreats are many and cybercriminals lurk. We, therefore, must protect our corporate network and all the endpoints that connect to it. We also must take care of our cybersecurity while using the Internet.

This appendix provides consolidated list of popular and well-known software(s) in Table B.1, which are always required to install on the computer systems to protect the system from various cyberattacks. It is important to note that installation of such software(s) is not only sufficient but it is also required that they be updated frequently to apply the patches released by the vendors to mitigate the threats arising from existing vulnerabilities. Readers can use this list to check various features provided by these software(s) and can install the softwares as per individual's security needs. It is important to note that this list does NOT rank these software utilities based on any particular/specific features. It is simply a list of useful utilities essential to protect your computer systems. As we proceed, you will find the list of utilities that are categorized as follows:

- I. Browsers.
- II. Search Engines.
- III. Search Engines popular in India.
- IV. Antivirus software(s).
- V. Antivirus software(s) popular in India.
- VI. Anti-Spyware software(s).
- VII. Antispam software(s).
- VIII. Anti-Trojan software(s).
- IX. Personal Firewall.
- X. Intrusion Detection System (IDS).
- XI. Intrusion Prevention System (IPS).
- XII. Parental Time Control Software(s).
- XIII. Mobile Security Software(s).

We have explained in Chapters 1, 2 and 4 about malwares such as viruses, worms and Trojan Horses exploiting the existing vulnerabilities and damaging the systems. As mentioned in Chapter 1, "netizen" is someone who spends considerable time online and also has a considerable presence online (through websites about the person, through his/her active blog contribution and/or also his/her participation in the online chat rooms). The netizens should always ensure the legitimacy of any programs/utilities/software(s)

before downloading them from the Internet – in particular, he/she should be vigilant while downloading any software(s) that is available “free of cost.” Netizens should always refer to software reviews available on the blogs/websites before downloading any such software(s). Some review websites are as follows:

1. <http://reviews.cnet.com/software/>
2. <http://www.top-software-reviews.com/>
3. <http://www.toptenreviews.com/>
4. <http://www.softsea.com/>
5. <http://www.softwaremango.com/>
6. <http://www.lifehacker.com/>

Table B.1 List of software utilities for computer system protection

I	Browsers	
1	Fire Fox	http://www.mozilla.com/en-US/firefox/ie.html
2	Chrome	http://www.google.com/chrome
3	IE (Internet Explorer)	http://www.microsoft.com/windows/internet-explorer/default.aspx
4	Opera	http://www.opera.com/
5	Safari	http://www.apple.com/safari
6	Maxthon	http://www.maxthon.com
7	Flock	http://www.flock.com
8	Avant	http://www.avantbrowser.com
9	Deepnet	http://www.deepnetexplorer.com
10	Phaseout	http://www.phaseout.net
II	Search Engines	
1	Google	www.google.com
2	Cuil	www.cuil.com
3	Yahoo	www.yahoo.com
4	Microsoft	www.bing.com
5	Alta vista	www.altavista.com
6	Ask Jeeves	www.ask.com
7	All the Web	www.alltheweb.com
8	Excite	www.excite.com
9	Lycos	www.lycos.com
10	Welluma	www.welluma.com
III	Search Engines Popular in India	
1	Rediff	www.rediff.com
2	Guruji	www.guruji.com
3	Khoj	www.khoj.com
4	Search India	www.searchindia.com
5	Jadoo	www.jadoo.com
6	123India	www.123india.com
7	India Search Engine	www.indiansearchengine.com
IV	Antivirus Software(s)	
1	Bit Defender	www.bitdefender.com
2	Kaspersky	www.kaspersky.com
3	Webroot	www.webroot.com
4	Eset	www.eset.com
5	F-secure	www.f-secure.com
6	AVG	www.avg.com
7	McAfee	www.mcafee.com
8	GData	www.gdata.de
9	Norton	www.symantec.com
10	Trendmicro	www.trendmicro.com

V	<i>Antivirus Software(s) Popular in India</i>	
1	Quick Heal	www.quickheal.com
2	Net Protector	www.indiaantivirus.com
3	Avast	www.avastindia.com
4	eScan	www.msspl.co.in
VI	<i>Anti-Spyware Software(s)</i>	
1	Spy Sweeper	http://www.webroot.com
2	Counterspy	http://www.sunbeltsoftware.com
3	STOPzilla	http://www.stopzilla.com
4	Malwarebytes Anti-Malware	http://www.malwarebytes.org
5	Spyware Doctor	http://www.pctools.com/spyware-doctor
6	SUPER Anti-Spyware Professional	http://www.superantispyware.com
7	Ad-Aware Pro	http://www.lavasoft.com
8	AntiSpy	http://www.omniquad.com
9	Spyware BeGone	http://www.spywarebegone.com
10	CA Anti-Spyware	http://www.ca.com/us
VII	<i>Antispam Software(s)</i>	
1	SpamEater Pro	http://spameater.com
2	CA Anti-Spam Plus CA Website Inspector	http://shop.ca.com/spam/spam_blocker.aspx
3	SPAM fighter	http://www.spamfighter.com
4	ChoiceMail One	http://www.digiportal.com
5	Spam Killer	http://www.spamkiller.com
6	Spam Buster	http://www.contactplus.com/Spam-Buster.html
7	SpamNet	http://www.cloudmark.com/en/home.html
8	Spam Agent	http://www.anti-spam-software.com
9	iHateSpam	http://www.sunbeltsoftware.com/home-home-office/ihatespam
10	MailWasher Pro	http://www.mailwasher.net
VIII	<i>Anti-Trojans Software(s)</i>	
1	Anti-Trojan Shield (ATS)	http://www.atshield.com
2	Anti-Trojan Elite (ATE)	http://www.remove-trojan.com
3	Emsisoft Anti-Malware	http://www.anti-trojan.net/en
4	Emsisoft Mamutu	http://www.emsisoft.com/en
IX	<i>Personal Firewall</i>	
1	ZoneAlarm Pro	http://www.zonealarm.com
2	Outpost Firewall Pro	http://www.agnitum.com
3	Norman Personal Firewall	http://www.norman.com
4	eConceal Pro	http://www.mwti.net
5	Webroot Desktop Firewall	http://www.webroot.com
6	Injoy Firewall	http://www.fx.dk
7	F-Secure Firewall	http://www.f-secure.com
8	Net Firewall	http://www.ntkernel.com
9	ESET Smart Security 4	http://www.eset.com/smartsecurity

X	<i>Intrusion Detection System (IDS)</i>	
1	Snort	http://www.snort.org
2	Untangle	http://www.untangle.com
3	Bro NIDS	http://www.bro-ids.org
4	Prelude Hybrid IDS	http://www.prelude-ids.com
5	OSSEC HIDS	http://www.ossec.net
6	Flowmatrix	http://www.akmalabs.com
7	Fragroute / Fragrouter	
8	BASE (Basic Analysis and Security Engine)	http://sourceforge.net/projects/secureideas
9	Sguil	http://sguil.sourceforge.net
10	Packet fence	http://www.packetfence.org
XI	<i>Intrusion Prevention System (IPS)</i>	
1	Snort	http://www.snort.org
2	Untangle	http://www.untangle.com
3	Lokkit (GNOME)	http://www.redhat.com
4	Winpooch	http://winpooch.en.softonic.com
XII	<i>Parental Time Control Software(s)</i>	
1	KidsWatch Time Control	http://www.kidswatch.com
2	WatchDog	http://www.watchdogpc.com
3	iNet Protector	http://www.blumentals.net/inetprot
4	ENUFF PC	http://www.enuffpc.com
5	ComputerTime	http://www.softwaretime.com
6	iProtectYou	http://www.softforyou.com
7	EyeTimer	http://www.eyetimer.com
8	PC-Time Manager	http://www.virtualsoftwareltd.com/products/pctimemanager
9	Aye Parental Control	http://www.fileguru.com/Aye-Parental-Control/info
10	Win Nanny	http://www.blue-lizard.net
XIII	<i>Mobile Security Software(s)</i>	
1	Kaspersky Mobile Security	http://www.kaspersky.com/mobile_downloads
2	SMobile Security Shield Parental Control Edition	http://www.smobilesystems.com
3	BullGuard Mobile Antivirus	http://www.bullguard.com/why/bullguard-mobile-antivirus.aspx
4	Norton Smartphone Security	http://www.symantec.com/norton/smartphone-security
5	F-Secure Mobile Security	http://www.symantec.com/norton/smartphone-security
6	Trend Micro Mobile Security	http://us.trendmicro.com/us/products/mobile-security
7	Airscanner Mobile Security Combo	http://www.airscanner.com/products/av
8	McAfee VirusScan Mobile	http://us.mcafee.com/root/product.asp?productid=mobile_info
9	SimWorks Anti- Virus	http://www.simworks.biz/sav/AntiVirus.php?id=home
10	avast! PDA	http://www.avast.com/pda-edition

In reference to Table B.1, one may need to find alternate software to replace these utilities/programs. Netizens can find such alternatives/options in www.alternativeto.net

Part II: Resourceful Websites, Magazines and Books

At the end of each chapter, there are URLs in “References” and “Further Reading.” In addition to those URLs, this section presents a consolidated list of resourceful websites, magazines and books, which provides “wealth of knowledge” about cybersecurity, IT security and Information Risk Management to the readers. This part has been developed in consideration with the discussions on the numerous topics covered in Chapters 6–10 in the book. As you read, you will find that a list of such websites, magazines and books are mentioned in the following tables:

1. Table B.2 is about encyclopedias/wikis.
2. Table B.3 is about useful websites.
3. Table B.4 is about a list of well-known information security magazines.
4. Table B.5 is about a list of well-known computer magazines.
5. Table B.6 is about known Indian hackers.
6. Table B.7 is about well-known books on the topic of hacking.

Table B.2 Encyclopedias/wikis

<i>Sr. No.</i>	<i>URL</i>	<i>About the Website</i>
1	http://en.wikipedia.org/wiki/Main_Page	<i>Wikipedia</i> is a multilingual, web-based, free-content encyclopedia, founded as an offshoot of Nupedia, a now-abandoned project.
2	http://www.webopedia.com	<i>Webopedia</i> is a free online dictionary for words, phrases and abbreviations that are related to computer and Internet technology. Webopedia is a part of “internet.com” network of websites owned and managed by “WebMediaBrands Inc.”
3	http://www.softpedia.com	<i>Softpedia</i> is the encyclopedia of free software downloads.
4	http://www.theriskipedia.com	<i>Riskipedia</i> is not only a website, but also a platform where anyone in the world can access information on risk and risk management.
5	http://www.forensicswiki.org/wiki/Main_Page	<i>Forensics Wiki</i> is devoted to information about digital forensics. (Refer to Chapters 7 and 8.)
6	http://cybercrime.wikia.com	The <i>wiki</i> is about cybercrime that anyone can edit.
7	http://www.computerlanguage.com	Computer Desktop Encyclopedia (CDE) offers straightforward definitions of all major hardware and software technologies.
8	http://www.wikihow.com	<i>WikiHow</i> is a collaborative writing project aimed at building (world’s) largest and highest-quality “how-to” manual.

Table B.3 Useful websites

<i>Sr. No.</i>	<i>URL</i>	<i>About the Website</i>
1	http://www.howstuffworks.com	HowStuffWorks is a wholly owned subsidiary of “Discovery Communications” – award-winning source of credible and easy-to-understand explanations of how the world actually works.
2	http://www.ehow.com	“eHow.com” is an online community dedicated to

		provide ability to research, share and discuss instructional solutions.
3	http://whatis.techtarget.com	“WhatIs.com” is a knowledge exploration and self-education tool about Information Technology; especially about the Internet and computers. It contains about 4,500 individual encyclopedic definitions/topics, a number of “Fast Reference” pages and learning tools. The topics contain about 12,000 hyperlinked cross-references between definition in topics and to other websites for further information.
4	http://it.toolbox.com	“Toolbox.com” is the network of online communities that enables anyone to access the collective knowledge of a worldwide audience of experienced professionals. Through “Toolbox.com,” executives and professionals can help aspirants to resolve problems more efficiently, make better decisions by leveraging best practices and lessons learned as well as increase their efficiency at the workplace.
5	http://www.bitpipe.com	“Bitpipe.com” is the IT professional’s guide to Information Technology resources. Anyone can browse this online library for the latest technical white papers, webcasts and product information to enable anyone to make intelligent IT product purchasing decisions.
6	http://www.knowledgestorm.com	KnowledgeStorm is one of the top-ranked search resource on the Internet for technology solutions and information. It provides most opportunities to technology vendors to reach business and to technology professionals conducting research on the Internet.
7	http://cybercrime.planetindia.net	It is a largest database of cyberlaw, cyber news and cases related with cybercrime in India. (Refer to Chapter 6.)
8	http://www.naavi.org	“Naavi” is an eBusiness consultant who operates out of Chennai and Bangalore in India. Though not a lawyer, he is an acknowledged expert in the field of cyberlaws. (Refer to Chapter 6.)
9	http://www.cyberlaw.com	“CyberLaw.com” is the space on the Internet at the intersection of technology, risk and law. (Refer to Chapter 6.)
10	http://www.cyberlawindia.com	“Cyberlaw India” is a voluntary platform for discussion, debate and analysis of prevailing cyberlaws in India. It is also the platform where the necessities of having new kinds of cyberlaws and cyberlegal provisions in the Indian context are discussed. (Refer to Chapter 6.)
11	http://www.gahtan.com/cyberlaw	Cyberlaw Encyclopedia. (Refer to Chapter 6.)
12	http://www.cyberlaws.net	“Cyberlaws.Net” is a consultancy that addresses all the cyberlaw needs and problems. It is aimed to provide a precise analysis of existing and developing trends in cyberlaw. (Refer to Chapter 6.)
13	http://www.indlawnews.com	“Indlaw” is a part of the “Indianlawonline” project that was launched in April 1997 as a collaborative exercise between professionals and academicians

		based in UK and in India to build an electronic legal library to enable solicitors, advocates, students and clients to have access to information on various primary and secondary legal documents such as the constitutional texts, parliamentary debates, case law, Parliamentary and State enactments and delegated legislation in both countries (India and UK). (Refer to Chapter 6.)
14	http://www.cybercrime.gov	This website is hosted by CCIPS (Computer Crime and Intellectual Property Section). CCIPS is responsible for implementing the Department's national strategies for the US in combating computer and intellectual property crimes worldwide. The Computer Crime Initiative is a comprehensive program designed to combat electronic penetrations, data thefts and cyberattacks on critical information systems. CCIPS prevents, investigates and prosecutes computer crimes by working with other government agencies, the private sector, academic institutions and foreign counterparts. (Refer to Chapter 9.)
15	http://www.cert.org	Computer Emergency Response Team (CERT) program is a part of "Software Engineering Institute" (SEI), a federally funded research and development center at Carnegie Mellon University in Pittsburgh, Pennsylvania. CERT is not an acronym; it is a name and a registered service mark. "CERT" and "CERT Coordination Center" are registered with the US Patent and Trademark office as service marks of Carnegie Mellon University. (Refer to Appendix D – Part II: Incidence Handling Checklists and Templates for Organizations and Part III: Computer Incident Reporting Formats and Templates.)
16	http://www.nist.gov	National Institute of Standards and Technology (NIST) promotes US innovation and industrial competitiveness by advancing measurement science, standards and technology in ways that enhance economic security and improve our quality of life.
17	http://csrc.nist.gov	"CSRC" (Computer Security Resource Center) has a CSD (Computer Security Division) mission to provide standards and technology to protect information systems against threats to the confidentiality of information, integrity of information and processes, and availability of information and services to build trust and confidence in IT (Information Technology) systems.
18	http://www.nsa.gov	"NSA/CSS" (National Security Agency/Central Security Service) is associated with US defense, which provides products and services to the Department of Defense, the Intelligence Community, government agencies and industry partners.
19	http://www.securityfocus.com	"SecurityFocus" is the trusted source of security information on the Internet. It is a vendor-neutral website that provides comprehensive security information to the entire community.

20	http://www.cylab.cmu.edu	“CyLab” is one of the largest university-based cybersecurity education and research centers in the US. It is multidisciplinary, university-wide, research center and has involved six colleges from Carnegie Mellon University.
21	http://www.cybersecurityinstitute.biz	“CyberSecurity Institute” is a full-service digital forensics organization.
22	http://www.esecurityplanet.com	“esecurityplanet” is hosted by “The Internet.com”. The internet.com network is a comprehensive source for the latest global news and information about IT (Information Technology) and the Internet. It allows users to evaluate, compare and purchase IT and Internet-related products and services.
23	http://www.cybersafe.my/home.html	“CyberSAFE” (Cyber Security Awareness For Everyone) is Malaysia’s initiative to educate and enhance the awareness of the general public on the technological and social issues facing Internet users, particularly on the dangers of getting online.
24	http://www.data64.cc	This is a search engine, which explores through a compiled database of websites and provides most relevant information to the users in the fields of: <ol style="list-style-type: none"> 1. Cybercrime. 2. Cybercrime investigation. 3. Cyberforensics. 4. Computer security. (Refer to Chapters 7 and 8.)
25	http://www.bugs.ms	This is a search engine, which explores through a compiled database of websites and provides most relevant information to the users about bugs, hacks, exploits and security for Microsoft Products.
26	http://www.wisegeek.com	“wisegeek” is a team of researchers, writers and editors dedicated to providing short, clear and concise answers to common questions. In the “wiseGEEK features” menu available on every article page, there is an option to “comment on this article.” Every comment is researched and implemented where appropriate.
27	http://www.crime-research.org/	“crime-research” – Computer Crime Research Center (CCRC) is a non-profit, non-governmental and scientific research organization. CCRC was created in 2001 to conduct research in legal criminal and criminological problems of cybercrime with the purpose to render scientific and methodical consulting.
28	http://www.ibls.com/	“IBLS” is one of the leaders on global laws and regulations that affect online experience. It empowers business and legal professionals to design successful Internet strategies by bringing them the global knowledge of Internet business rules and regulations written by legal experts around the world. (Refer to Chapter 6.)
29	http://www.hacking-news.com/	“hacking-news” provides daily news and editorials on security-related topics, along with a comprehensive database of security knowledge. (Refer to Chapter 10.)

30	http://www.sciencedaily.com/news/computers_math/hacking/	“ScienceDaily” is one of the Internet’s most popular and award-winning science news website. ScienceDaily generates nearly approximately 15 million page views a month and receive approximately more than 3 million hits each month. (Refer to Chapter 10.)
31	http://www.computerworld.com/	“Computerworld” has been one of the leading source of technology news and information for IT influencers worldwide. It is an award-winning website, focused on conference series and custom research from the hub of the world’s largest global IT media network.
32	http://www.ccmmostwanted.com/	“ccmostwanted” (Cyber Criminals Most Wanted) is a website dedicated to cybercrime awareness – Prevention and safety. (Refer to Appendix D – Protection Checklist for Individuals.)
33	http://www.ciol.com/about	“CIOL” (CYBERMEDIA INDIA ONLINE LIMITED) is the website that focuses on Information Technology with a vision to provide quality and relevant IT information to the growing Internet community. The enduring vision of leading the IT revolution can be seen and felt through the vast sections of the CIOL network.
34	http://www.itsecurity.com/	“IT Security” is a news and information publication covering all aspects of the IT Security and has been re-launched as the premier source worldwide for IT Security information after acquired by “Tippit Inc.” recently.
35	http://www.securitypronews.com/	“SecurityProNews” is most popular newsletter and an article portal for technology professionals.

Table B.4 List of well-known information security magazines

<i>Sr. No.</i>	<i>URL</i>	<i>About the Website</i>
1	http://www.scmagazineus.com	SC Magazine is aimed at providing IT security professionals with in-depth and unbiased information.
2	http://www.csoonline.com	CSO provides news, analysis and research on a broad range of security and risk management topics. Areas of focus include information security, physical security, business continuity, identity and access management, loss prevention and more.
3	http://www.infosecurity-magazine.com	It is a magazine examining security threats, solutions and developments for security professionals.
4	http://www.infosecuritymagz.com	InfoSecurity is a comprehensive magazine on IT security. Its mission is to bring the various aspects of IT security under one source, covering the various applications of security technology used by an individual at enterprise level.
5	http://hakin9.org	hakin9 is a bi-monthly magazine about hacking and IT security, covering techniques of breaking into computer

		systems, defense and protection methods. (Refer to Chapter 10.)
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Table B.5 List of well-known computer magazines

<i>Sr. No.</i>	<i>URL</i>	<i>Magazine (Frequency)</i>
1	http://www.chip.in	Chip
2	http://www.computerjagat.org	Computer Jagat
3	http://www.thinkdigit.com	Digit
4	http://pcquest.ciol.com	PCQuest
5	http://www.pcworld.in	PC World
6	http://www.vintage-computer.com/byte.shtml	Byte
7	http://www.macworld.com/	MacWorld
8	http://www.cgonline.com/	Computer Games
9	http://pcplus.techradar.com/	PC Plus
10	http://www.linuxforu.com/	Linux For You

Table B.6 Known Indian hackers

<i>Sr. No.</i>	<i>Hacker</i>	<i>URL</i>
1	Ankit Fadia	http://www.ankitfadia.in/
2	Rahul Dutt Awasthy	http://rahulhackingarticles.wetpaint.com/page/Rahul+Dutt+Avasthy
3	Rafay Baloch	http://rafayhackingarticles.blogspot.com/
4	Rahul Tyagi	http://www.ethicalhacking.do.am/
5	Ashik Ratnani	http://hungryhackers.blogspot.com/

Table B.7 Well-known books on the topic of hacking

<i>Sr. No.</i>	<i>Author</i>	<i>Book(s)</i>
1	Kevin Mitnick	<ul style="list-style-type: none"> • The Art of Intrusion. • The Art of Deception.
2	Ankit Fadia	<ul style="list-style-type: none"> • The Unofficial Guide to Ethical Hacking. • Network Security: A Hacker's Perspective. • Ethical Hacking Guide to Corporate Security. • Hacking Mobile Phones. • E-Mail Hacking. • Windows Hacking. • Google Hacking. • Intrusion Alert. • Encryption. • Software Hacking. • Cracking Admissions in Colleges Abroad. • Tips and Tricks on Linux.
3	Rafay Baloch	<ul style="list-style-type: none"> • A Beginners Guide To Ethical Hacking. • How To Spy and Hack a Webcam.
4	Rahul Tyagi	<ul style="list-style-type: none"> • Hacking Crux.