

Computer and Internet Security: Family and Personal Protection



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Introduction

- Objective
- What is computer security?
- Why learn about computer security?

Important Security Information

- Why is Computer Security important?
 - Computer and internet risks
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Family and Personal Security

- Personal protection top ten
- Family and kids protection tips:
 - Technical security family protection
 - Non-technical kids protection tips



Conclusion

- Questions and answers
- Important security programs





After this presentation, every user must know how to...

- Protect computer from intruders known as (hackers, crackers and attackers)
- Can one be safe using the internet?
- Protect personal information?
- Protect family and self privacy?
- Protect and secure family online?



What is Computer Security?



Computer Security simply is the protection of computing systems and the data that they store or access.

It is also known as the process of preventing and detecting unauthorized use of your computer.



You may ask

**Why do I need to learn about
Computer Security?**

Isn't this just an IT Problem?



Information Technology Security is everyone's responsibility

Good Security Standards follow the “90/10” Rule:

- 10% of security safeguards are technical
- 90% of security safeguards rely on the computer user (“YOU”) to adhere to good computing practices.



Important security information



Why is Computer Security Important?

- We use computers for everything from banking and investing to shopping and communicating with others.
- Client information, payment information, personal files, bank account details - all of these information are mostly stored on a computer and hard to replace and potentially dangerous if it falls into the wrong hands.



- Computer security is important mainly because it is concerned in protecting three main areas:

Confidentiality

Integrity

Availability



of computer systems, resources, and data. 🌿

- Without confidentiality, your personal and family data would be misused.
- Without integrity, we can not send and receive the exact and correct information.
- Without availability, our emails and other data can be stolen.



Computer and Internet Risks



Not protecting your computer can allow intruders (hackers, crackers etc.), easy access to your computer without your knowledge, change your system configurations, or infect your computer with a computer virus.



- Risks can happen through spying software viruses to hardware damages.
- Intruders can also be a threat to your family abusing them or misusing their information.



Family and Personal Security and Protection

Family and personal computer and internet security can be both technical and non technical practices.



Personal Protection Top Ten



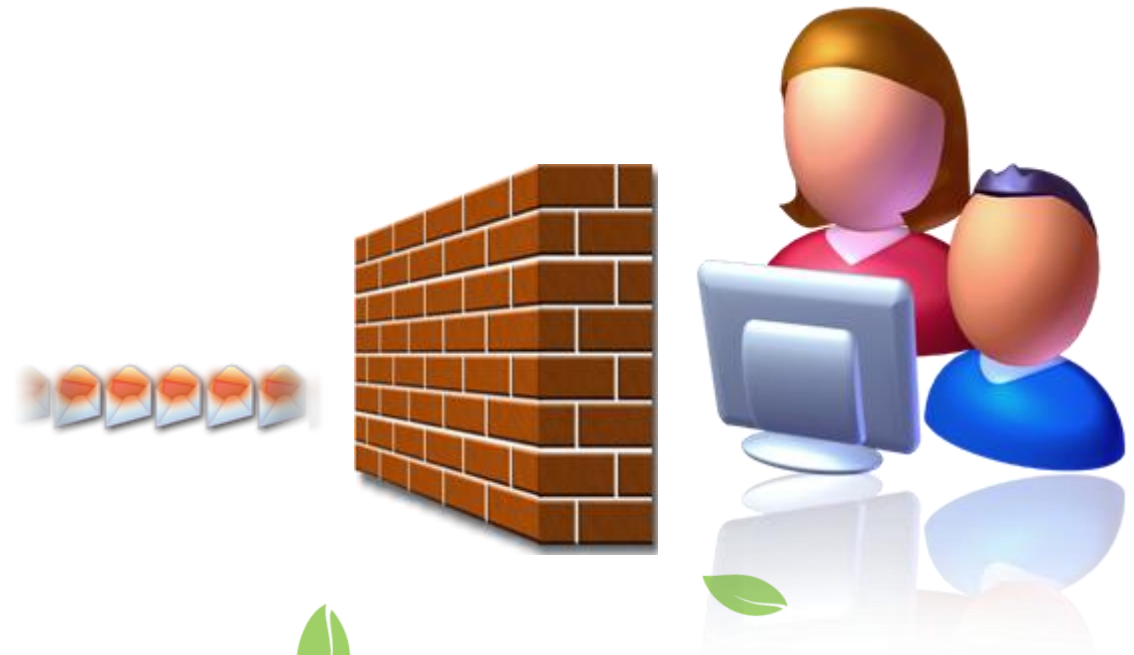
1. Use protection software "anti virus software" and keep it up-to-date.

- Anti-virus software is designed to protect you and your computer against known viruses.
- But anti-virus programs need regular updates, for new viruses. Be sure to update your anti-virus software regularly!



2. Turn on windows internet firewall.

- Firewalls create a protective wall between your computer and the outside world.
- It can block your computer from intruders.



3. Regularly download security protection update "patches".

- Sometimes bugs are discovered in a program that may allow a malicious person to attack your computer.
- Most major software companies today have to release updates and patches to their software every so often.
- Download them!



4. Use hard-to-guess passwords

Passwords will only keep outsiders out if they are difficult to guess! Don't share your password, change it regularly.



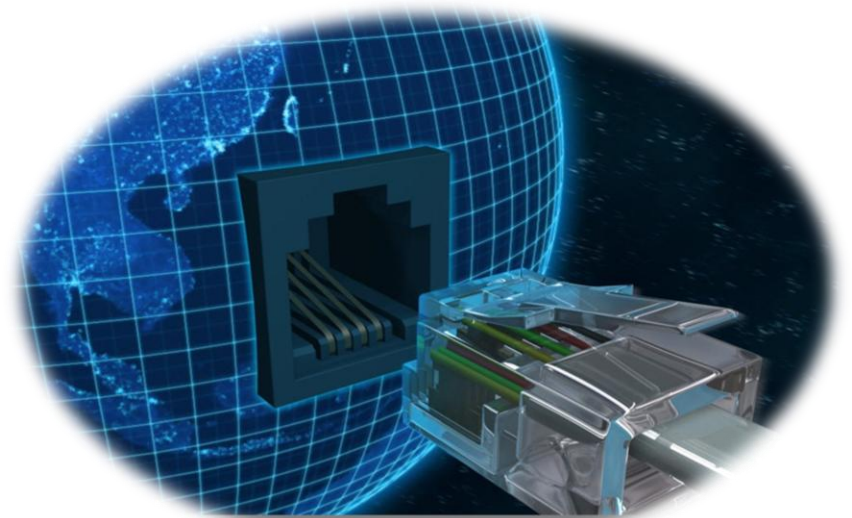
5. Don't open unknown, unscanned or unexpected email attachments.

- Be very careful about opening the email and any file attached to it.
- Only download files from websites you trust.



6. Disconnect from the Internet when not in use.

Disconnecting your computer from the Internet when you're not online lessens the chance that someone will be able to access your computer.



7. Be careful when using wireless.

- Information sent via standard wireless is easy to intercept.
- Don't connect to unknown wireless hotspots / access points if you're concerned about security or privacy.



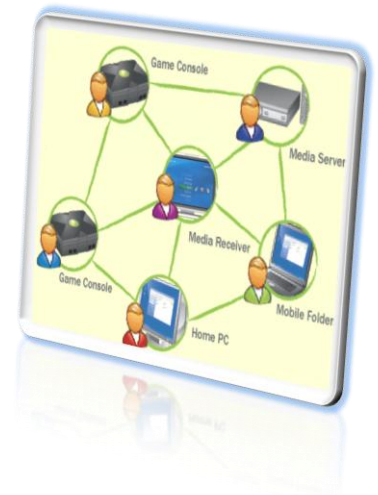
8. Back up your computer data.

- Back up your data on external hard disk so you don't lose them if your computer system files get damaged.
- Be prepared!



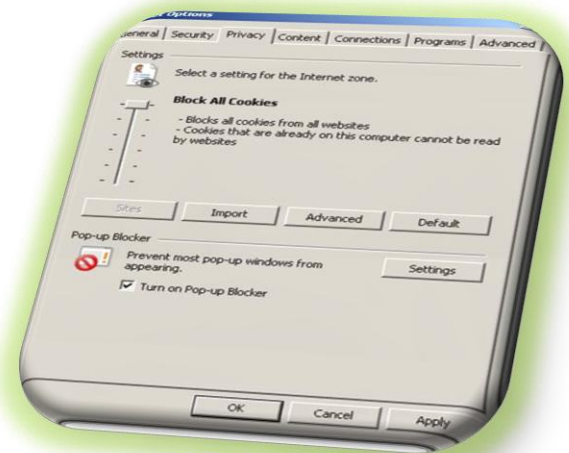
9. Don't share access to your computers with strangers. “ File Sharing”

- Your computer operating system may allow other computers on a network, including the Internet, to access the hard drive of your computer in order to "share files".
- Don't share files with strangers!



10. Check your security on a regular basis.

- You should evaluate your computer security at least twice a year -- make sure you have the security level appropriate for you.
- Set a high bar for yourself!



Family and Kids Protection Tips

Protecting our families today is more vital than ever



3 Important Technical Security Levels for the Family Computer

Level 1 : Hardware Firewalls protect your home computer from hackers.

Level 2: Security Software is an absolute necessity on the family computer as mentioned earlier.



3 Important Technical Security Levels for the Family Computer

Level 3: Safe Surfing is your goal when sharing the family computer with children.

Use parental control tools, software and safe search preferences on websites.



Parental Control and Safe Surfing

You can use Parental Controls in windows to help manage how your children use the computer.



For example, you can set limits on your children's access to the web, the hours that they can log on to the computer, and which games they can play and programs they can run.

Control when UpdatusUser will use the computer

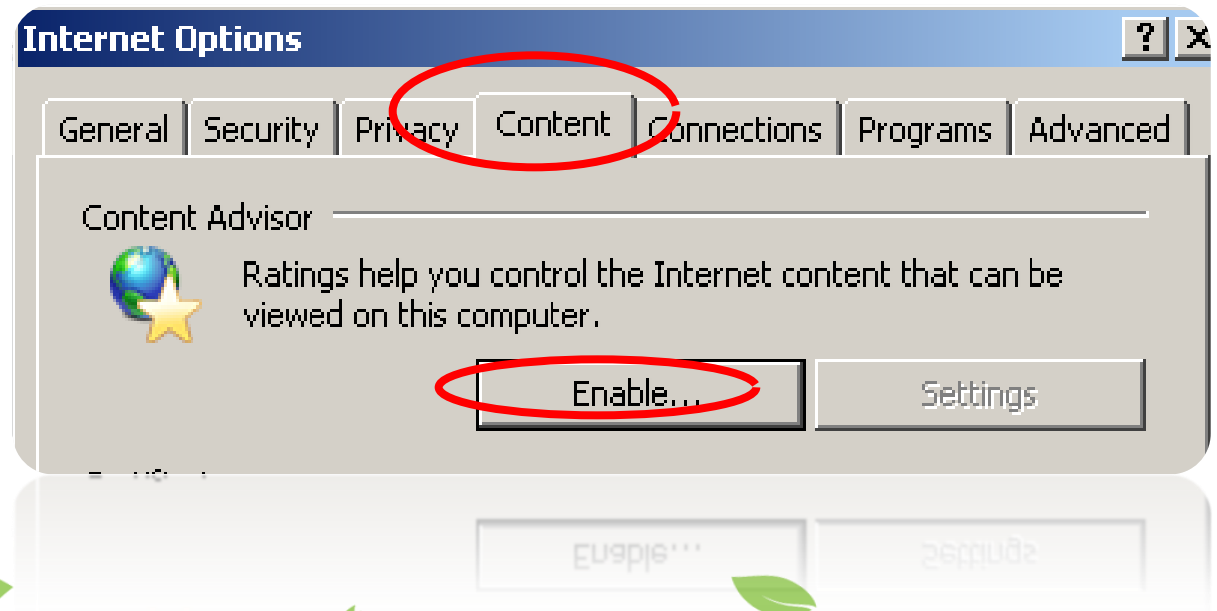
Click and drag the hours you want to block or allow.

	Midnight (AM)													Noon (PM)											
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
Sunday																									
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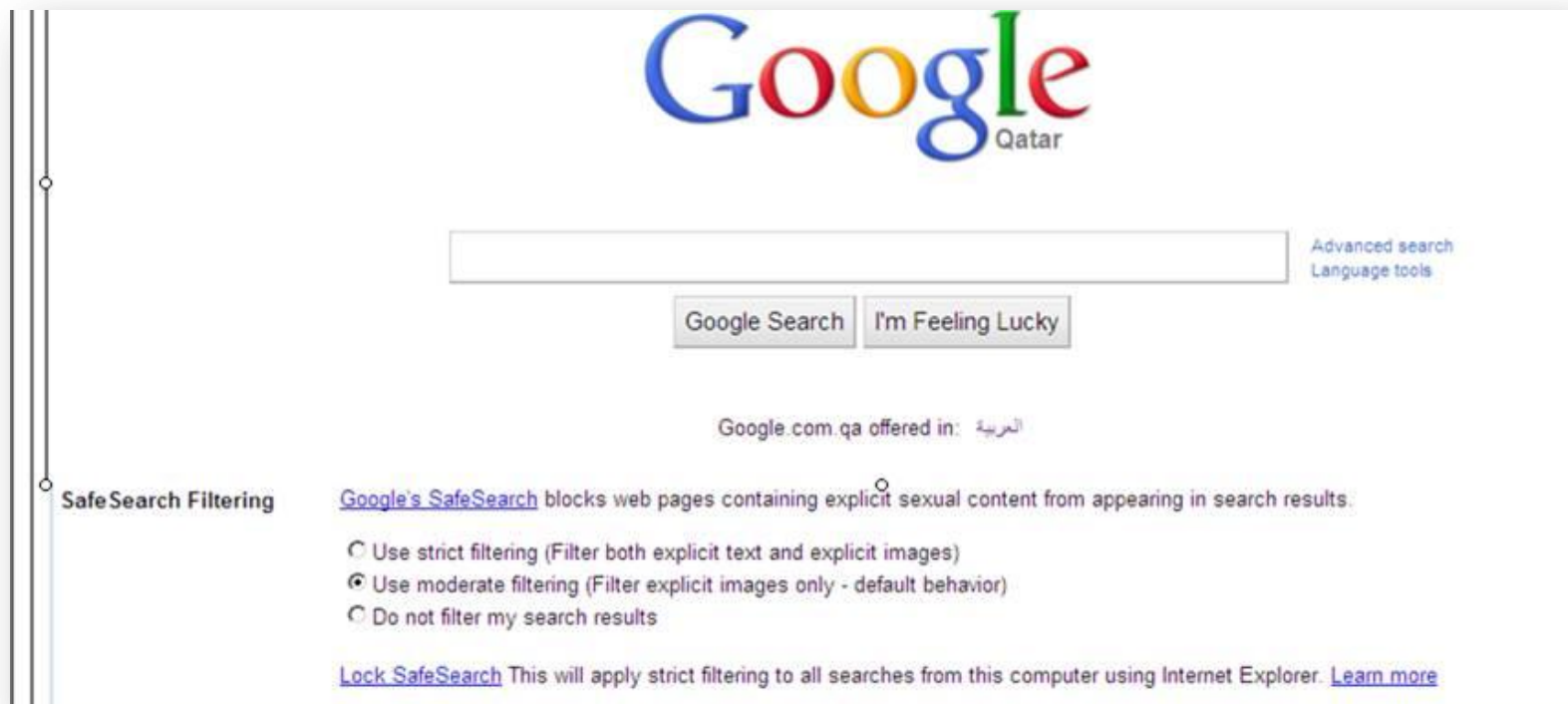
☐ Allowed
☒ Blocked

Internet Explorer Content Advisor is Another Tool for Parents

Content Advisor enables users restrict different content, approve or disapprove a web page from being viewed, setup rating passwords, and much more.



Make sure to always choose “safe search” from websites preferences



Kids Non Technical Protection Tips

- Encourage kids to keep passwords secret.
- Set clear rules for internet use.
- Keep the computer in a centralized location.
Never let the computer in the child's room.
- Encourage them to always inform parents when they come across anything that makes them uncomfortable.



Kids Non Technical Protection Tips

- Teach them never give out personal information or send personal materials on the internet.
- Have an open and honest discussion with your kids about online safety and responsibility.
- Never open unknown emails.
- Never open links from anonymous.



Top Ten Antivirus 2012

- Bit Defender Antivirus 2012
- McAfee Antivirus 2012
- Kaspersky Antivirus 2012
- ESET Antivirus 2012
- Norton Antivirus 2012
- F-Secure Antivirus 2012
- Viper Antivirus 2012
- Trend Micro Antivirus 2012
- Zone Alarm Antivirus 2012
- Panda Antivirus 2012



Ready to answer your questions





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