

Secure Personal Computer(PC)



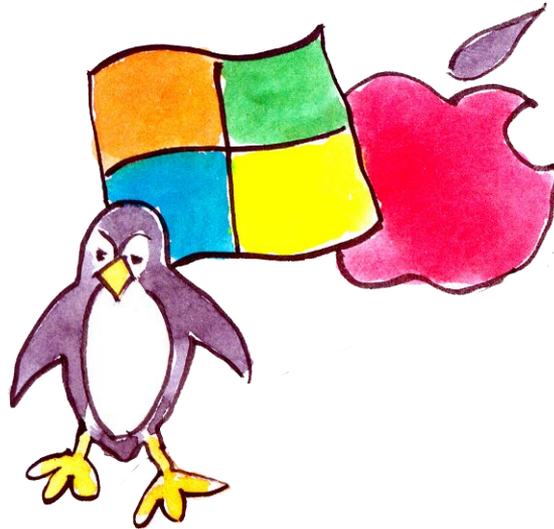


Objective

- ⦿ About Operating System
- ⦿ Need for Securing the Operating system
- ⦿ About Password
- ⦿ About Firewall
- ⦿ About Computer Virus
- ⦿ About Secure Web Browser
- ⦿ Tips and Guidelines for Securing Operating system

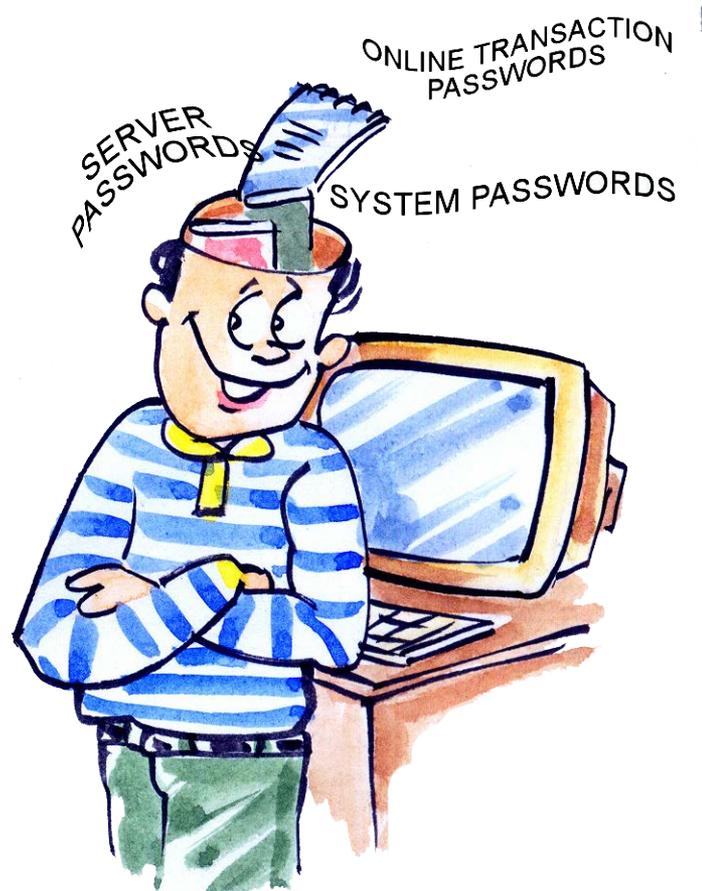
Operating System

- Operating System is the important program that runs on the computer
- It is responsible for us to secure the system by not allowing the unauthorized users to access the system



System Account Password

- Password represents the identity of an individual for an account

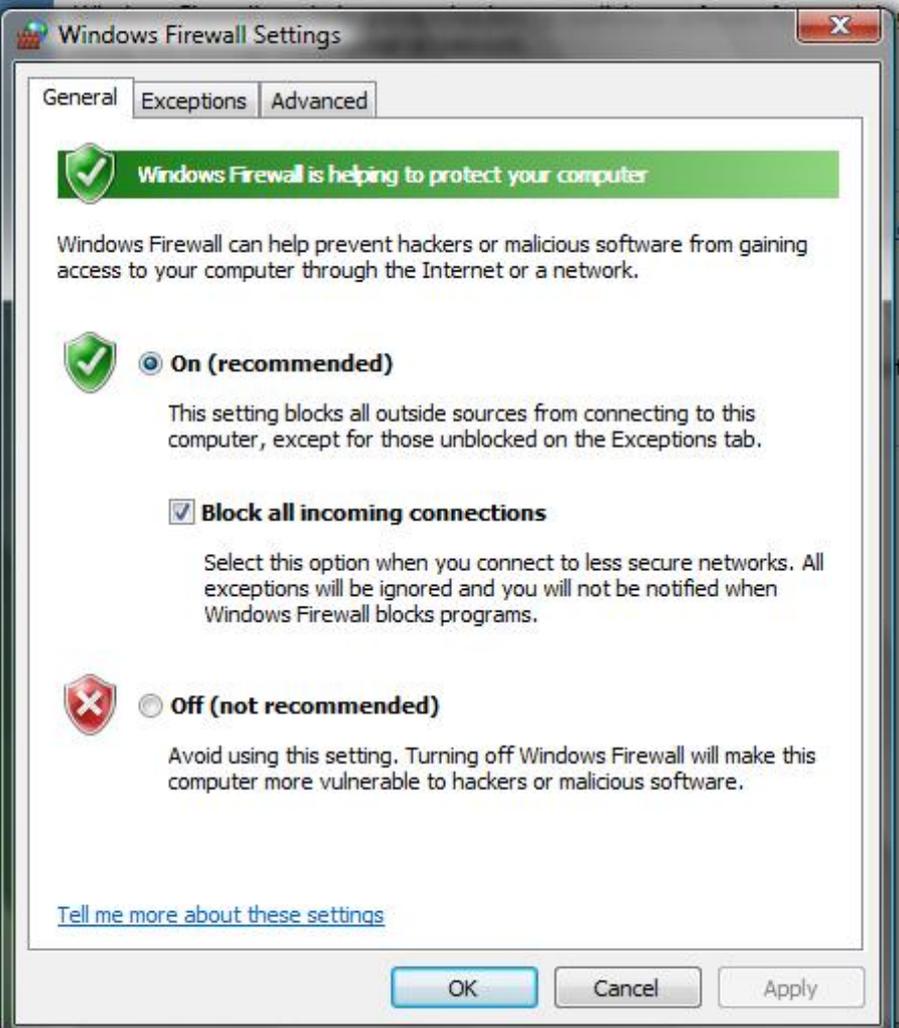
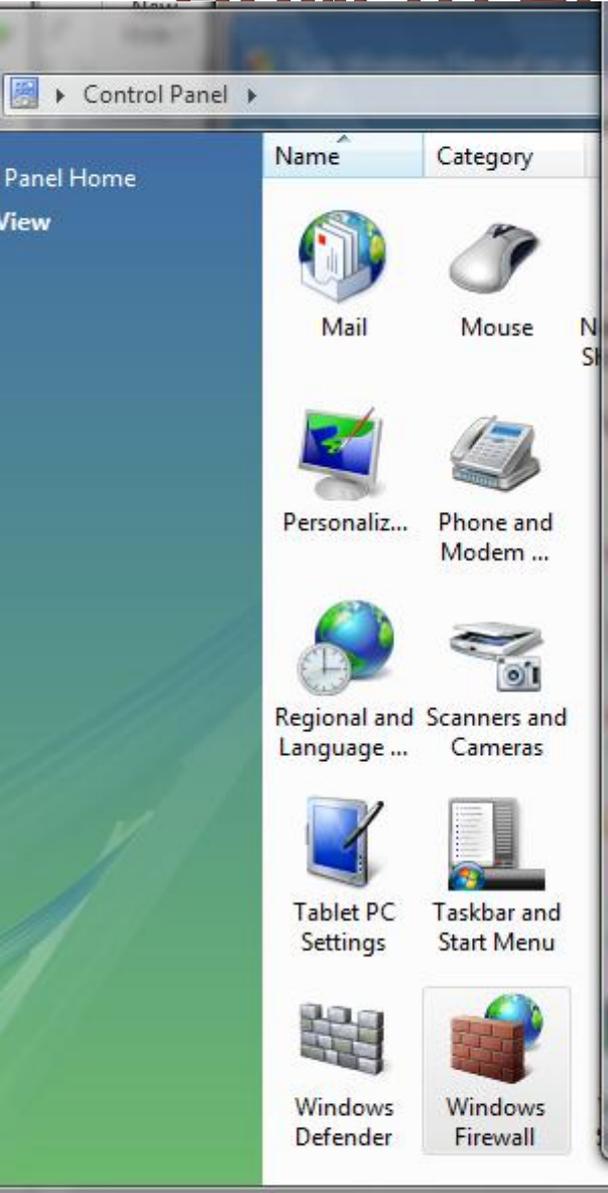


Firewalls

- When you leave your home, we will lock our doors for securing our property, and we can also secure our property from thieves
- *The same security is required for your computer since Internet connection leaves you vulnerable to hackers who want to access your personal information from your PC.*



How to enable firewall in windows?



Computer Virus

- A computer virus is nothing more than a computer program which can replicate and attach itself to programs or files infecting the host without its knowledge.



Web browser

- For internet accessing we always use the application called web browser
- Update browsers Regularly





Tips and Guidelines for securing the operating system

- ❑ Activate a password for the screen saver so that when ever the operations are not active it will lock the computer automatically after particular period of time.
- ❑ Always use a strong password for your operating system to protect the system from unauthorized users.
 - ❑ An example of a good password is Th!5iS@g0odP4s5wD

Tips and Guidelines

- Turn off file sharing in the computer when there is no need to access files in that system.
- Delete the software's and features of the operating systems which are not in use.

Tips and Guidelines

- Disable the default guest account so that it makes the unauthorized users harder to gain access to the system.
- Use an updated anti virus software to protect the operating system from a virus.

Tips and Guidelines

- Update the operating system with the latest patches mainly with critical security updates for the operating system.
- Backup critical data which will be helpful in case of operating system failure.

Tips and Guidelines

- ◉ In an organization, before planning to install a service pack in all the systems first install it in a test system. Since installing a service pack may cover a large range of functionality.
- ◉ Once the service pack is tested and everything is working normally it should be deployed in to the other systems.
- ◉ A normal user should be provided with least privileges which do not disturb his normal working.

Tips and Guidelines

- Always make sure User accounts should set their passwords according to the defined security policies of an organization.
- Administrators should be careful while configuring the privileges, for an employee of the organization.
- Services and security policies should be reviewed daily.
- While using the Windows operating system, make sure that the file system used is NTFS, which is more secure .

Conclusion

- Always update the operating system with latest updates or patches and use updated antivirus
- And also make sure to enable a firewall of your PC to avoid access from hackers and always use tips and guidelines for secure PC.

Reference

- <http://personal-firewall-software-review.toptenreviews.com/why-you-need-a-firewall.html>
- www.infosecawareness.in