

# Eight Steps for Home PC Protection

1. **Install a hardware firewall**
  - a. **What do Hardware firewalls do?**
    - i. Hardware firewalls protect your computer from the internet.
    - ii. Make sure you change the default password or it is very easy to hack
    - iii. Do not allow remote configuration so no one on the internet can reconfigure your hardware firewall.
    - iv. See our recommendations for hardware firewalls at <http://www.es-es.net/9.html> or <http://www.es-es.net/2.html>
2. **Install software firewall**
  - a. **What do software firewalls do?**
    - i. Are a second layer of defense behind your hardware firewall.
    - ii. Protect both your computer from the internet AND the internet from your computer.
    - iii. Warn you when something fishy is happening on your computer.
    - iv. **Suggestions Below**
3. **Which one do you need?**
  - a. If you have a cable modem, satellite, wireless, DSL, or any other type of high speed connection, you need **both** a hardware firewall and a software firewall.
  - b. Dial up users do not need both. Software only is recommended.
4. **Install Anti virus software and update the software yearly** and have its **signature files updated daily**. Also install a **Web filter to protect your PC and children**.
  - a. **Why?**
    - i. Unless your computer is only a few months old, your antivirus software is outdated and may **not be able to detect the newest, polymorphic viruses**.
    - ii. Your antivirus software has two distinct parts:
    - iii. A computer program that scans your computer for viruses.
    - iv. Antivirus definitions that tell that program exactly what to look for.
    - v. **Suggestions Below**
5. **Scan for Spyware:** To detect and delete both spyware and malware, download and install both
  - a. Ad-Aware Personal SE at <http://www.lavasoftusa.com/>
  - b. Spybot Search & Destroy 1.3 at <http://www.safer-networking.org/>They each seem to catch different spyware packages and they are both free.
6. **Run Windows and Mac Updates**
  - a. Windows
    - i. In Internet Explorer, go to Tools > Windows Update.
    - ii. Click on Scan for updates.
  - b. MAC's
    - i. Apple menu > Software Update
    - ii. To get updates immediately:
    - iii. Choose System Preferences from the Apple menu.
    - iv. Choose Software Update from the View menu.
    - v. Click Update Now.
    - vi. In the Software Update window, select the items you want to install, then click Install.
7. **Patch Microsoft office**
  - a. In Windows XP or 2000, just run the new Windows Update.
  - b. In older versions of Windows, go to [officeupdate.microsoft.com](http://officeupdate.microsoft.com) and click on "Check for Updates"
  - c. Mac users need to go to <http://www.microsoft.com/mac/downloads.aspx>
8. **Regularly back up personal files.**

# Firewalls and AV for Home Users

## Firewall Software

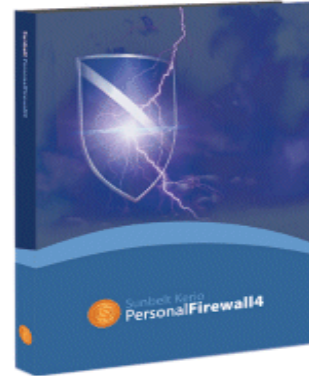
For Windows users we recommend:

**Sunbelt Kerio Personal Firewall™**

You can get it at:

<http://www.sunbelt-software.com/Kerio.cfm>

You will have all the features for 30 days then you will be pushed down to the free feature set. The free feature set is all home users need see list below. Full version is \$20 if you really want those features but I would not spend the money. IT is much better than Microsoft's firewall and and it is much faster than Zone Alarm's free firewall.



Product:	SKPF 4 - free	SKPF 4 - full
<b>NETWORK SECURITY</b>		
Packet filter	YES	YES
File integrity control	YES	YES
Application communication control	YES	YES
Application launch control	YES	YES
Network Intrusion Prevention System	YES	YES
Host-based Intrusion Prevention System	NO	YES
<b>CONTENT FILTERING</b>		
Identity Theft Protection	NO	YES
Script blocking (JavaScript, VB script)	NO	YES
Referrer and Cookies blocking	NO	YES
Ad blocking	NO	YES
Pop-up windows blocking	NO	YES
<b>STATISTICS, LOGGING</b>		
Statistics of attacks and blocked ads	YES	YES
Automatic update checker	YES	YES
Extended logging	YES	YES
Syslog	NO	YES
Runs as Internet Gateway	NO	YES
<b>ADMINISTRATION</b>		
Remote administration	NO	YES
Password protected configuration	NO	YES

For Mac users: Macintosh comes with a built-in Firewall, but it comes turned off by default. Turn it on!

# Anti-Virus

For Windows users we recommend:

## Home & Home Office Edition

Premium workstation protection against viruses, spyware, adware, phishing attacks and more.



Download Version: 1-Year Subscription

1 User \$39

Family Pack 2-users \$63

They are much faster than and take much less computer resources so you computer run faster with the AV turned on. I recommend only purchasing one year at time so you get all new features and power of the updated scanning software instead of just getting the latest updates.

<http://www.eset.com/purchase/index.php>



If you want completely free option AVG (Free) Antivirus software does a good job

<http://free.grisoft.com/doc/5390/Ing/us/tpl/v5#avg-anti-virus-free>

## Web Filter



## K9 Web Protection

from BlueCoat

What is K9?

The function that K9 provides is not antivirus, anti-spam, or firewall functionality. K9 is a Web filter; it determines where the computer user can go inside your Web browser. (In our upcoming release, we'll also be offering Instant Message/Chat controls, and Peer-to-Peer controls.) **BEST part is that is FREE**

<http://www.k9webprotection.com/license.jsp>

If you need IM and P2P protection look at the top three filters on my site they cost but have more tools right now.

[http://www.es-es.net/resources/TOP3\\_Family\\_software\\_Filters.pdf](http://www.es-es.net/resources/TOP3_Family_software_Filters.pdf)

