




Where do the dangers lie?
How do you protect yourself?
Is your piece of cyberspace secure?

**HIGH SPEED INTERNET
AND NETWORKING**

Be Cyber Savvy with C-SAFE

Danger at High Speed

Be Cyber Savvy with C-SAFE

High-Speed Internet 

This refers to any type of internet service that is provided at speeds faster than dial-up

Most common types include:

- Cable
- DSL
- Wi-Fi

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So what?

High-speed is a *Network*

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Dangers of the High Speed Network

- You're connected, on a network, to everyone else in your neighborhood
- Everyone in your neighborhood is connected to everyone in the city
- Everyone in the city is connected to...

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"Always On" means....

Always at risk!

But *"always at risk"* is not *"always in danger"*


Protect yourself by learning how to keep your computer safe on a high-speed network

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Home Networks

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Local Area Network (LAN)




A small network of interconnected computers in a home or business is usually referred to as a LAN

By transmitting information through radio waves a Wireless LAN can make traditional security measure obsolete.

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Router



This device hooks multiple computers to one Internet connection by sending data between the Internet and the correct computer

Consumer level routers have built in fire-walls and many act as Access Points for a Wireless LAN


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Steps to Protect Your Network

- Establish a strong router password
- Enable your router's logging function
- Maintain up-to-date firewall firmware
- Got Wireless? Be sure it's Secure!

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Service Set Identifier (SSID)




The name you choose for your wireless network

- Choosing a unique SSID and disabling the broadcast mode adds an extra level of security
- If your SSID is set to the default, that added level of security fails

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Encryption



Changing the data into a form unreadable by anyone without a secret decryption key to keep the information from being intercepted

Encryption keeps intruders from eavesdropping or "sniffing" the traffic that is sent over your wireless network

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Wi-Fi Protected Access 2



This latest security standard for wireless connections improves on and is expected to replace the original Wi-Fi security standard

Newer APs are sold with WPA2 installed, while many older APs may offer a firmware update that will install WPA2

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Wardriving



Driving around with a laptop computer equipped with a wireless network card to find unsecured wireless networks

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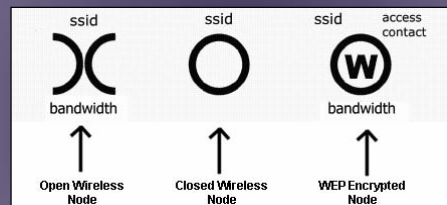
Warchalking



A popular practice of using chalk marks to show the location of wireless networks

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Warchalking Symbols



If you see these symbols near your wireless network, it has been identified!

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Warspamming



By logging into an unprotected wireless network, spammers can send their messages to millions of names while remaining completely anonymous

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SECURE FLORIDA

Search SecureFlorida GO

Find Windows updates
Find Mac updates

Wednesday, January 23, 2008

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ALERT ARCHIVES

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C-SAFE

How To

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- Security Settings
- Hook Up a New Computer
- Outgoing on E-mail Header
- Secure Apache, PHP, and MySQL
- Secure Your Browser
- Secure Your Domain Name
- Secure Your Wireless
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- Use the Internet for Research

Cyber Risks

Email Practices

Personal Security

Network Practices

How To Secure Your Wireless Network

Although wireless technology is widely used, many individuals and corporations have neglected to secure their wireless networks. Some recent reports have obtained that **companies are unintentionally giving access to their data** to anyone with a wireless network adapter.

As wireless networks become cheaper to own and easier to set up, **everyone**—not just the IT professionals—needs to be aware of how to secure their network. If you have an insecure wireless network at home, you could be more susceptible to **hacking**. Plus, hackers will often use vulnerable wireless networks to send **massive amounts of spam**.

There are quite a few steps that you can take to create more secure wireless connectivity in your home or business. Some of these steps are as simple as using a higher level of encryption and changing the password on your wireless access point.

“Despite all of the attention being paid these days to security, and in particular wireless security, the message apparently hasn't gotten through to everyone.”

Dennis Fisher [iVista.com](#)

MEMBERS LOG-IN

EMAIL:

PASSWORD:

login

Forgot Your Password?
Not a member? [Sign up](#)

KIDS
Take our online safety quiz!

National Threat Level
ELEVATED
Go to [SECURE FLORIDA](#) for more info.

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Beware

If one computer on your network is compromised, they are all at risk!

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