# IAS RESEARCH

## The Engineering Company

**Stop. Think. Connect.**
**Cybersecurity is a shared responsibility**.

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# General Security

**General Security**

Protect Myself from Cyber Attacks
**What You Need To Know- General**

- **Never click on links in emails**.
- **Never open the attachments**.
- **Do not give out personal information**
- **Set secure passwords and don't share them with anyone.**
- **Keep your operating system, browser, anti-virus and other critical software up to date.**
- **Verify the authenticity of requests from companies or individuals by contacting them directly.**
- **Pay close attention to website URLs**.
- **For e-Mail,** turn off the autoreponder
- **Be suspicious of unknown links or requests sent through email or text message.**

Cyber Threats and Attacks for
Non Technical User-

**Attacks and Threats**

# Email and Communication Threats

Staying Safe on Social Network Sites
Understanding Your Computer: Email Clients
Understanding Digital Signatures
Using Instant Messaging and Chat Rooms Safely
Using Caution with Email Attachments
Benefits of BCC
Reducing Spam
Benefits and Risks of Free Email Services
**General Information**
Understanding ISPs
Why is Cyber Security a Problem?
Guidelines for Publishing Information Online

# Phone, Tablet and Kiosks

Protecting Portable Devices: Physical Security
Holiday Traveling with Personal Internet-Enabled Devices
Cybersecurity for Electronic Devices
Using Caution with USB Drives
Securing Wireless Networks
Protecting Portable Devices: Data Security
Defending Cell Phones and PDAs Against Attack

# Internet Privacy

**Privacy**

# Browsing- Mobile and Desktop

**Safe Browsing**

[Shopping Safely Online](#)

[Understanding Bluetooth Technology](#)

[Understanding Web Site Certificates](#)

[Avoiding Copyright Infringement](#)

[Understanding Your Computer: Web Browsers](#)

[Understanding Internationalized Domain Names](#)

[Evaluating Your Web Browser's Security Settings](#)

[Browsing Safely: Understanding Active Content and Cookies](#)

# Filesharing- Torrent Leaches

**Software and Applications**
[Understanding Voice over Internet Protocol (VoIP)](#)
[Risks of File-Sharing Technology](#)
[Reviewing End-User License Agreements](#)
[Understanding Your Computer: Operating Systems](#)
[Understanding Patches](#)

# Unified Threat Management- Engineering Solutions

**Unified threat management** (**UTM**) or **unified security management** (**USM**), is a solution in the [network security](#) industry, and since 2004 it has gained currency as a primary network gateway defense solution for organizations.[1] In theory, UTM is the evolution of the traditional [firewall](#) into an all-inclusive security product able to perform multiple security functions within one single system: network firewalling, [network intrusion prevention](#) and [gateway antivirus](#) (AV), [gateway anti-spam](#),[VPN](#), [content filtering](#), [load balancing](#), [data leak prevention](#) and on-appliance reporting.

# Snort's open source network-based intrusion detection system (NIDS)- Engineering Solutions

Snort's open source network-based intrusion detection system (NIDS) has the ability to perform real-time traffic analysis and packet logging on Internet Protocol (IP) networks. Snort performs protocol analysis, content searching, and content matching. These basic services have many purposes including application-aware triggered quality of service, to de-prioritize bulk traffic when latency-sensitive applications are in use. [1]

The program can also be used to detect probes or attacks, including, but not limited to, operating system fingerprinting attempts, common gateway interface, buffer overflows, server message block probes, and stealth port scans.[8]

Snort can be configured in three main modes: sniffer, packet logger, and network intrusion detection.[9] In sniffer mode, the program will read network packets and display them on the console. In packet logger mode, the program will log packets to the disk. In intrusion detection mode, the program will monitor network traffic and analyze it against a rule set defined by the user. The program will then perform a specific action based on what has been identified.[10]

**Questions and Answers**

Slide Download URL- dropbox/INDIANARMY- ask Soura
 Non Technical User questions
 Engineering & Technical Solutions questions

You can ask questions later using email:

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