



British Institute  
*of Technology, England*

## Introduction Cyber World Security

The British Institute of Technology, England constantly reminds governments, businesses and individuals the threats of cyber attack. Our research informs us that industrial espionage is the greatest cyber warfare today. We are all at risk not knowing from what direction we will be attacked. What can we do:

1. Understand our Business on the Internet
2. Understand the Measures
3. Understand the Risk

“This cyber threat is one of the most serious economic and national security challenges we face as a nation.”

President Barack Obama  
May 29, 2009



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## Cyber Security Training

The Cyber Security Training allows businesses, organisations and individual to understand the risk and creates awareness about cyber security, ultimately increasing the understanding of cyber threats and empowering internet users to be safer and secure online.

1. Creates awareness of cybersecurity and its association with the security of the business and the safety of personal lives
2. Engages the business leaders, management and staff in effort to improve cybersecurity
3. Generate and communicate process and procedures for cybersecurity effective in the organisation.

**“The threat to e-commerce will be**

**technology itself..”** Dr

Lawrence Roberts,  
Founder of the Internet



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## Cyber Attacks

The internet allows an attacker to attack from anywhere on the planet. Much of the risk is caused by poor security knowledge and practice including:

- Identity Theft
- Monetary Theft
- Legal Position

“**C**hallenge is to stay safe and secure and do business untainted. Dr Farmer”



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## Cyber Vulnerabilities

Our research has shown that the top vulnerabilities available for a cyber criminal include:

- Web Browser
- Instant Messaging (IM) Clients
- Web Applications
- User Rights



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## Safety and Security

- Safety:** We must understand and behave in ways that protect us against risks and threats that come with technology
- Security:** We must understand how to protect our mobile phones, laptop, computers and data in the same way that we secure the doors to our business



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## Cyber Criminals

Cyber criminals come in all shapes and forms disguised as:

- System Administrators
- Cracker
- Scripts
- Pop-up Robot
- Software Attacks
  - Virus
  - Worm
  - Trojan Horse / Logic Bomb
  - Social Engineering
  - Rootkits
  - Botnets / Zombies



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## Effective Defense

It is possible to sustain and attack through the use of multiple layers of defense to address technical, personnel and operational issues

- External Virus Monitoring Station (For Businesses)
- Anti-Virus / Spyware
- Firewall
- Internal Virus Monitoring Station (For Businesses)
- Protect Operating System
- Good Password



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