



❖ Course Description

Our children and teens are facing many challenges online. They don't have the knowledge to protect themselves from today's cyber attacks and cyber criminals. Although they are computer savvy than their parents, they should be trained to understand major online threats such as identity theft, privacy and malware along with information security fundamentals to defend themselves on the internet. That is why we have IS3 Course.

❖ Type of Delivery

Instructor-Led Sessions

❖ Duration

5 days

3 hours/ Session

❖ Training Benefits

- Study materials (Soft Copy on CDs)
- Student Guide
- Professional Presentations
- Video Demos & Tutorials
- Activities and practice
- Exam & Project
- IS3 Accredited certificate from ASK PC
- Certificate of Completion from ISSA- Egypt

❖ Course Contents

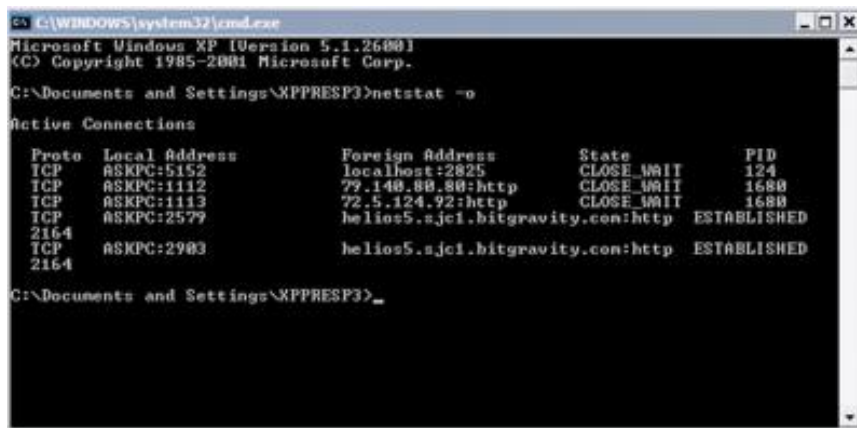
IS3 or (Information Security for Secondary Schools) is a comprehensive course for schools looking to implement information security awareness and training into their summer courses, activities or curriculums. IS3 is designed to encourage students to be well-rounded and resourceful. It will utilize hacking curiosity in teens to be security gurus who will be able to identify security risks, threats and privacy problems. IS3 will help students understand the basic knowledge of ethical hacking techniques to defend themselves and those who can't help themselves. It is not true that "hackers" are always the bad guys! Hackers are security experts that discover weakness, vulnerabilities and notify the proper authorities. It is important to teach students how to behave ethically in a connected world without falling in the darkside. Our goal is to educate tomorrow's security professionals!



❖ A few of the covered topics are

- Why information security?
- Information Security Statistics
- What is ethical hacking
- Thinking like a hacker
- Preparing your resources
- Operating Systems Fundamentals
- Desktop security overview
- Networking Fundamentals
- Ports, Protocols and Services
- Connectivity and Basic commands
- Identifying web servers, domains and IP address
- Basic scanning and fingerprinting techniques
- Understanding Malware, spyware and countermeasures

- Types of attacks and their identifications
- Email Security and threats
- Phishing, Pharming and Social Engineering
- Web Security and privacy
- How web works
- HTML basics
- Web Vulnerabilities
- Communication Security
- Passwords and Password Cracking protection
- Ethics and legal issues



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C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\XPPRESP3>netstat -o

Active Connections

Proto Local Address           Foreign Address         State           PID
TCP   ASKPC:5152             localhost:2825         CLOSE_WAIT     124
TCP   ASKPC:1112             79.140.88.80:http      CLOSE_WAIT     1680
TCP   ASKPC:1113             72.5.124.92:http       CLOSE_WAIT     1680
TCP   ASKPC:2579             helios5.sjc1.bitgravity.com:http ESTABLISHED    2164
TCP   ASKPC:2903             helios5.sjc1.bitgravity.com:http ESTABLISHED    2164

C:\Documents and Settings\XPPRESP3>
```

❖ Who should attend

This course is suitable for high school students and secondary schools. It is suitable also for anyone with basic IT knowledge willing to understand basic information security from ethical hacking side.

❖ Prerequisites

Students should be familiar with basic IT knowledge and OS fundamentals. Most high schools and secondary schools are teaching computers and information technology basics. If your school doesn't offer IT courses, you will still be able to understand basic IT knowledge using our free online books and courses at this URL:

www.ask-pc.com/academy.php

❖ **Course certification**

Upon completing our offsite assessment in addition to the project, you will be eligible to get your IS3 certificate from ASK PC and CPE report from ISSA Egypt. This course is offering CEUs from IEEE and IACET for more information: www.ieee.org/partners

❖ **About the author**

Dr. Mohamed N. El-Guindy, PhD, MBCS CITP, ABILD is the author of IS3 course in addition to other IS security courses for ASK PC. He is also the founder and president of both ASK PC and ISSA chapter in Egypt. He has broad experience in the field of Information Technology and also speaker in many security events.

For more information, kindly check this page:

<http://www.ask-pc.com/founder.html>



CPE credits: 15



Egypt chapter dedicated training



More about our partners: <http://www.ask-pc.com/partnerstec.html>

Check our security training and courses:



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