

# Introduction to Cyber-Security & Tactical Exploitation

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**Cost:** RRP £895+VAT  
**Duration:** 3 Days  
**Format:** Technical Seminar & Practical Exercises  
**Target Audience:** Security Personnel, Law Enforcement, IT Security Personnel  
**Note:** A Non Disclosure Agreement (NDA) must be signed before attendance!

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## Course Objectives:

The Cybercrime events team are back, but this time it's a hands on experience. This is no ordinary security course. We take you on a journey into the mind of a hacker to determine the motivations, tools and techniques criminals use to gain access to personal and corporate information. From initial target selection we then take you into murky world of social engineering and Cybercrime.

Social engineering is a set of tactics and psychological tricks used by hackers on computer users in order to gain entry to computer systems. Examples of social engineering range from impersonating an employee to gain entry to a company's offices and systems; dumpster diving, or looking through a person's or organization's garbage for important documents that might give a hacker clues on how to break into a network; spam mailing and e-mail hoaxes; and hidden e-mail attachments like viruses.

Then it's a deep dive into the tools and techniques favoured by the bad guy to exploit you and your company. From network intrusion to wireless hacking, password cracking, data mining and much more. It's a full hands on experience you won't forget. This is the ideal opportunity to get your hands dirty and try out the tools for real and witness, the sometimes alarming results for yourself.

Finally, we look at how the bad guys cover their tracks and how you can catch them red handed. Understand how network forensics, auditing and file signatures work. As well as understanding how new development in encryption can help protect your secrets. This unique 3 day hands on course provides Security, law enforcement and IT professionals with the knowledge and skills to not only understand the nature of these attacks but also deploy strategic countermeasures and learn about prevention and how it could save your business. Includes published book, professional tuition, Lab Manual & Software DVD for each delegate.

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## Course Outline:

Day 1 Outline	Day 2 Outline	Day 3 Outline
Introductions	Password Cracking	Computer Forensics – What are the Tools & How do they Work?
The Dark Art of Social Engineering	Understanding How Hacking Tools & Exploits Work!	File Signatures – Time to Go Deep!
Covert Information Gathering Tools inc Goggle Hacking & Data Mining!	Encryption – The Good Practice Guide!	Firewalls – Best Practice Guide!
Identity Fraud Vs Industrial Espionage	Know Where your Data is! – Local – In transit – Remote!	Developing & Deploying a Risk Management Strategy
Network & Wireless Hacking	Build an In Depth IT & Business Defence Strategy	Conclusions & Q&A Session
<b>Hands on Labs</b>	<b>Hands on Labs</b>	<b>Hands on Labs</b>

### **The Presenter: Andy Malone Microsoft MVP, MCT**

Andy Malone is the CEO of Quality Training Ltd and founder of both the Dive Deeper Technology and Cybercrime Security events. Based in Scotland, Andy is a popular international event speaker and technology evangelist with over 15 years experience. Andy was also the 2006 winner of the Microsoft TechEd Speaker Idol contest. Andy has delivered technical and security content to thousands of delegates worldwide at various technical conferences, such as Microsoft TechEd, IT Pro-Connections and Tech-days. His passionate style of delivery, combined with a sense of fun has become his trademark.

Although his primary focus is for security. Andy loves to talk about the Windows platform, Exchange and Office technologies. And with knowledge dating back to the MS-DOS 2 and Windows 2.0 era there is often an interesting story to be told. But technology never sleeps and Andy continues to work with the Microsoft product teams to create and deliver ground breaking material on Windows 7, Server 2008 R2 and beyond. For 2009/10 Andy is scheduled to deliver content in Europe, the Middle East, Russia and the US to name but a few. Andy's blog: <http://blogs.quality-training.co.uk/blog>



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