



MALWARE



Course Information

Course Name	Malware
Course Designer	World Wide Industrial and Systems Engineers
Course Category	Cyber Security
Course Duration	124:73 Minutes
Cost of Course	R2 500,00 per delegate (excluding 15% VAT)

Course Overview

The security of an organisation is of the utmost importance and every member of the organisation's staff plays a vital role in defending against cyber threats. One of the best ways to protect the organisation is to institute a company-wide security-awareness training initiative. This course is a complete foundational security awareness training program that covers a wide array of topics for nearly every type of end-user and learner level. The content is designed to allow organisations to be able to provide a comprehensive training program to help them protect their information assets against threats.

Malware

Who should attend?	Software developers, information security professionals, incident responders, computer security researchers, corporate investigators and others who need to understand how malware operates and the processes involved in performing malware analysis.
Course Objectives	By the end of the course, the learner will be able to: - quickly perform a malware autopsy using a variety of techniques and tools without running the malware. - analyse running malware by observing file system changes, function calls, network communications and other indicators.
Benefits	- Helps incident responders and security analysts - Pragmatically triage incidents by level of severity - Uncover hidden indicators of compromise (IOCs) that should be blocked - Improve the efficacy of IOC alerts and notifications

Course Content

Course Modules	1. Need to Know: Malware 2. Malware 3. Malware Brief 4. Ransomware 5. Worked Episode 6: Demons 6. Intelligent Personal Assistant 7. Malware for Managers 8. Malware for Executives 9. Malware and PHI 10. Malware and PHI for Managers 11. Malware and PHI for Executives 12. Malware for Financial Institutions 13. Malware for Educators 14. Ransomware and HIPAA 15. Insufficient Logging and Monitoring 16. Insufficient Attack Protection 17. Check (Automatic Updates) 18. OWASP A6 - Security Misconfiguration 19. OWASP A9 - Using Components with Known Vulnerabilities 20. OWASP A10 - Insufficient Logging and Monitoring 21. Vulnerability Management
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	22. Using Components with Known Vulnerabilities 23. Security Misconfiguration 24. Secure Configuration 25. Managing Software Assets 26. Updates and Patches (Video) 27. Antivirus (Video) 28. Intellectual Property 29. Intellectual Property Rights (Video) 30. Appropriate Use of Software (Video) 31. Software Licensing (Video) 32. EAL Malware
Certification	• Certificate of competence
Assessment	• N/A

About WWiSE

Who are we?	World Wide Industrial & Systems Engineers (WWiSE) is an ISO consultancy, training, business solutions and systems implementation firm based in Southern Africa that provides clients with effective business processes and Safety, Health, Environmental, Risk and Quality (SHERQ) management solutions in preparation for ISO compliance. The solutions we provide and implement allow our clients to compete favourably in modern competitive business environments, locally and internationally. We also strive to be the leading training providers in SHERQ, ISO, Engineering, Finance, Business and Project Management.
What do we do?	Our services are aimed at the improvement of quality, efficiency, knowledge and competitiveness of client companies. The service range includes: • ISO and SHERQ Systems implementation services whereby we assist client companies in meeting the requirements of ISO 9001, 14001, 22000, 31000, 27001, 20000-1, 50001 and ISO 45001 standards. • Integrated Management Systems development whereby we integrate several business systems and quality management

solutions into a single management system to comply with various quality and safety standards.

- Training of all employees (Shop Floor to Executive Management) in the fields of SHERQ, Engineering, Finance, Business and Project Management to meet the job responsibilities and expertise requirements of International Standards.
- ISO and Legal auditing which includes gap analysis audits, product, process, procedural, and systems auditing by our registered SAATCA auditors.
- Customised web-based solutions integrating current systems to be in line with ISO requirements

We are a Level 1 BBBEE Contributor that specialises in systems development, consultancy, training and auditing.