

Art of Exploitation



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TCS is a leading provider of software and solutions to customers who require high reliability and security. TCS delivers premier IT and wireless communications solutions to automotive telematics vendors, leading wireless and VoIP carriers around the world, cable MSOs, and US government agencies.

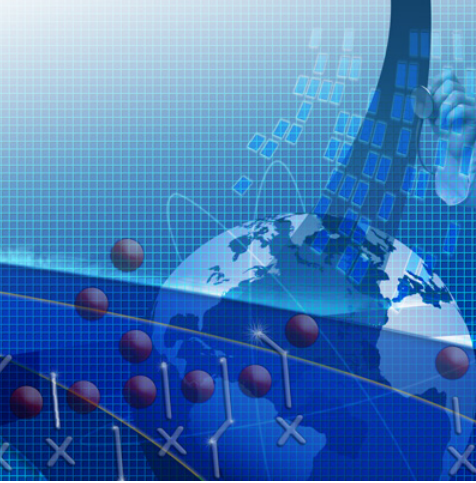
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A comprehensive solution to Computer Network Operations (CNO) training in the fields of computer penetration testing, red teaming, vulnerability analysis, and exploitation.

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Art of Exploitation

Provides a comprehensive solution to Computer Network Operations (CNO) training in the fields of computer penetration testing, red teaming, vulnerability analysis, and exploitation. The Art of Exploitation curriculum has expanded to include cyber security and cyber analysis course study.

Bootcamp Edition

A nine-day intense introductory exploitation course

The first offering in this series is the flagship course “Art of Exploitation Bootcamp Edition.”

Modular in design and comprehensive in scope, the Bootcamp Edition is a nine-day, intense course of study with over 40 labs that provides an introduction to the basic tactics, techniques, and methodology required for a Network Exploitation Analyst or Operator.

In addition to the nine-day basic course, the modular design allows individual sections to be added, subtracted, or taught separately depending on the requirements of the audience.

Wiretap Edition

Network analysis by sensor deployment

In continuing our successful effort of providing the best training solution in the area of CNO and in the field of Network Analysis, TCS Cyber Intelligence Group has developed the “Art of Exploitation Wiretap Edition” curriculum.

TCS Cyber Intelligence Group follows a methodology for performing network analysis that begins with deploying a sensor and progresses to generating reports.

TCS Cyber Intelligence Group relies heavily on a hands-on practical application to both reinforce the material discussed and evaluate the competency the student has gained from the discussions. Every technique or process discussed in this course has an associated lab where students will apply what they have learned.

Wireless Edition

Wireless network penetration and data extraction

The latest offering in the Art of Exploitation series, “Art of Exploitation Wireless Edition” is designed to provide the Computer Security Practitioner with the skills and knowledge required to perform wireless security assessments, and wireless exploitation.

The tactics, techniques, and procedures are designed to provide real-life examples of how security is compromised and data is extracted in today’s wireless environment.

By focusing primarily on the discovery and exploitation of Wireless Networks, “Art of Exploitation Wireless Edition,” provides a unique training experience not found in other commercial wireless security courses. “Art of Exploitation Wireless Edition is a five-day, intense course of study that provides a comprehensive view into the methods and mindset used by hackers to compromise wireless networks. Like all Art of Exploitation courses, the class provides numerous hands-on experiences during labs.



Cyber Attack / Defend Edition

Offensive / defensive scenario-based training

Cyber Attack / Defend Edition is a four-day practical application exercise, that employs techniques learned in previous editions of Art of Exploitation training. Students will be placed onto either a red “offensive” team or a blue “defensive” team, and given objectives to fulfill based on their mission. Multiple scenarios will allow customization of the course to the specific objectives of a given customer. Available scenarios include CNE, CNA, and CND objectives, allowing the student to operate in the field of their specific mission and expertise. By the end of the course, students will have been given the opportunity to work as a team in these various CNO situations, employing CNO tools and techniques, learned previously in Art of Exploitation training or real world OJT, and will be prepared to perform at a high level in various CNO organizations.

Developer’s Edition

Cyber security software development

Developer’s Edition is a course of study focused on software development for cyber operations. Topics include reverse engineering of software applications and development of utilities used in various cyber activities. This course is designed for knowledgeable computer programmers.

Advanced Edition

A complex study focusing on creative thinking in exploitation

Advanced Edition builds on the topics and techniques learned in the Boot Camp and covers more complex topics and scenarios. Students will learn to be creative in the course of their cyber duties, expanding their knowledge by incorporating tactics such as cross-site scripting, protocol tunneling, and on-the-fly exploit creation and adjustment.

Manager’s Edition

A non-technical course designed for the manager

The newest offering in the Art of Exploitation series, “Manager’s Edition,” is a two-day non-technical course designed to teach managers of information operations how to better understand their mission area and the technical people assigned operational tasks.

This course focuses primarily on exploitation mission areas and the standard methodology for those operations.

One does not have to be technically elite in order to understand or manage these areas. However, a basic understanding of the tactics, techniques, and procedures your operators employ is essential for resource allocation and communication throughout the organization. This course will start you down that road.

