



**BLACK
HORSE**

a **PARSONS** Company

DARK WEB IMMERSION

Discover, detect, demystify dark web networks

Course Overview

The CASO Specialty Dark Web Immersion Course is designed to provide a secure environment where researchers and analysts can develop a foundational knowledge of dark web networks and the content found therein. This course applies CASO methodology to the task of discovery and enumeration of entities on the dark web, and showcases a variety of tools and methods to maintain privacy and security while conducting online operations. Through hands-on practical exercises and live demonstrations, we will help you gain an understanding of dark web research tradecraft which can be used to uncover risks to you, your organization, or your assets.

Topics include:

- Tor, I2P, Freenet, and ZeroNet dark web network architecture, installation, and operation
- Anonymously accessing hidden services, eepsites, freesites, and zites
- Exploring dark web search engines, forums, chats, marketplaces, and more
- Understanding Bitcoin mechanics and Blockchain analysis of financial transactions
- Private communications and file share
- Using virtualization with Tails and Whonix to safely conduct dark web operations

Skills & Outcomes

- Safe and secure configuration and access to multiple dark web networks
- Employ the best techniques in privacy and security to manage attribution
- Advanced methods and search techniques for discovery of dark web content
- Learn workflows for enumerating email addresses, PGP keys, and online aliases across the dark web
- Obtain a free, open source toolkit and knowledge to conduct passive dark web investigations
- Understand dark web tradecraft for effective, credible engagement with dark web actors

Dark Web Immersion: Quick Facts

- 5-day all-inclusive training program.
- Gain an understanding of dark web tradecraft.
- Conduct effective research on the dark web using a variety of tools and methods.
- Get hands-on with Tor, I2P, and other dark web networks.
- Discover new networks and employ methods to track activity from the dark to surface web.
- Explore private communications and file share methods on the dark web.
- Understand cryptocurrency and financial analysis.

Course Schedule

Day 1	Day 2	Day 3	Day 4	Day 5
<ul style="list-style-type: none">• Orientation• Legal Considerations• Case Studies: OSINT & The Dark Web• Dark Web Lineup	<ul style="list-style-type: none">• Tor Browser & Access Methods• Tor Content• Tool-assisted Discovery	<ul style="list-style-type: none">• Bitcoin Mechanics• Blockchain Analysis• Blockchain Investigation with Tools	<ul style="list-style-type: none">• Secure Communications• Understanding Dark Web Data	<ul style="list-style-type: none">• Virtualization w/ Tails & Whonix• Dark Web Investigations• Capstone

Delivery

Our Dark Web Immersion course can be taken in-person, on-location in one of our state-of-the-art classrooms located in Herndon, VA or Fayetteville, NC. Mobile training teams are available to host specially-tailored courses in your location.

Additional Courses

You can also upgrade to a full CASO course that integrates many of the Dark Web Immersion modules into a 2-week training experience. We offer the following upgrade options:

CASO for Threat Intelligence - holistic training focused on research and analysis of digital threat data, with an emphasis on applying a flexible research framework towards producing actionable and meaningful threat intelligence reports and deliverables.

Commercial Signature Reduction (CSR) - advanced commercial best practices for digital data protection techniques to facilitate safe virtual on-line operations.

Digital Signature Training - a combination of both CASO and CSR, delivered in a 3-week training program, for analysts that need or want to be certified to conduct advanced, safe, passive-to-active online research activities.

Specialty Workflow and Analysis Training - a week-long training course that focuses on one thing: ensuring that your analysts and research teams can prove and provide the “so what” of open research. This course ensures that analysts are delivering value-added products to decision makers.

Additional details for each option provided upon request.

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