



# PA OFFICE OF HOMELAND SECURITY TRAINING



LIVE ONLINE

## Online Crime and Criminal Investigations: A Deep Dive on Proxies, VPNs, Darknets and Dark Markets



1-Day Course



September 22, 2022  
9:00am-4:00pm Eastern



Live Online

Criminal investigators and analysts need to understand how it is possible for people to conceal and obfuscate their identity and location on the Internet. Various methods of concealing identity and location, while engaged in activities on the Internet, provide an opportunity for investigators to engage in covert online research while also providing a means for criminals to engage in surreptitious communication in furtherance of nefarious activities. As technologies, such as digital device fingerprinting, emerge as ways to attribute identity this becomes a topic about which every investigator and analyst must become familiar. This class will include an overview of how the web was designed and functions. This class is not intended to make attendees experts, but rather to demystify the topic for those who conduct criminal investigations involving hate and identity-based bias crimes. It includes case studies and a discussion of specific investigative techniques. The session will give criminal investigators and analysts the foundation that they need to understand these tools and communities—both how they are exploited by criminal and how they can be used by investigators and analysts.

NOTICE: Course contains graphic content including profanity, and sexual and violent images.

### Key concepts:

- IP, browser, and device fingerprinting
- Proxy types and uses
- VPN capabilities and vulnerabilities
- Onion routing, Tor, and Darknets
- Dark markets and investigative strategies

### Lab requirements:

- Browser and network from which Cisco WebEx can be accessed
  - WebEx client preferred but not required
- Dual monitors preferred but not required
- External speakers preferred but not required
- Smartphones and tablets are prohibited
- See detailed lab requirements [here](#)

### Questions

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Register via link below or QR code

<https://www.nw3c.org/PAOHS-OCCI-2>



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