



Northern CA HIDTA, CNOA Region I, and Western Regional Counter-drug Training Center present

Crypto Currency

Course Description:

This course is designed to solve multi-fold problems:

1. Field agents, (be they local, state or federal) do not in general, possess the knowledge to immediately recognize, identify, target and potentially sweep illicit value to safety in the field. With this course, field agents will become far better sources of crypto information on an SSE (Sensitive Site Exploitation) site and gain the capability of outlining and shaping information passed on to cyber and forensics personnel.
2. Upon leaving this course, attendants will be able to materially contribute to a crypto investigation.
3. This is not a Dark Net course (although Dark Net specialists would benefit from this course). This course teaches hands on, crypto investigative techniques.

Description:

This course will cover all the objectives listed below. All practical exercises will involve actual coin transactions conducted and analyzed by attendees. Exploitation of phones, computers and coin hardware storage devices will also be executed by attendees as well as hands on use of a Linux based computer operating system. **Note: It is important that each attendee bring a laptop computer where you have the administrator rights (for specialized software install) and no internet filters whatsoever. USB ports should be set to active. Attendees should have permissions to install apps on phones.**

Course Subjects:

1. The basics of Bitcoin and other popular coins.
2. Coin wallets & exchange services.
3. Using blockchain explorers in the field to run discovered coin addresses forward and backward.
4. Google Dorking to find a transaction on the blockchain quickly from as little as one data point.
5. Transacting with subjects (suspects) or machines to analyze their coin transactions.

6. Creating alerts to monitor specific coin address activity.
7. Pseudo anonymous vs. anonymous coins.
8. Coin hard forks. What are they? What did you miss in a search?
9. How to discover crypto resources in your operational area.
10. The evolution of Coin ATMs and why it has never been more important.
11. How to create, receive and spend coin from select paper wallets requiring zero identity.
12. How to convert one coin to another using decentralized conversion platforms requiring zero identity.
13. Why it is important to still monitor decentralized exchanges that have implemented KYC.
14. The best app for sweeping funds from wallet private keys should you discover one in the field.
15. Conducting hands on exploits of coin hardware storage devices.
16. Splicing in a power supply to keep an encrypted hard drive alive for exploitation.
17. Coin debit cards. This is an ever-changing landscape. Understand the implications.
18. Cell phone top up with Crypto. Why this is important.
19. Building and improving a cryptocurrency SSE checklist.
20. Conducting an SSE Escape Room. Intended to be an extended PE in preparation for the CULEX.
21. A brief overview of other non-crypto exchange platforms such as WebMoney and Transferwise.
22. Developing and coordinating a cryptocurrency policy within your department, agency or task force.
23. The culmination exercise (CULEX) will be designed to flex all subjects covered during the training period.
24. Short Practical Exercises will be used throughout the training to gauge participation and proficiency.

Crypto Course Agenda:

Day 1:

Crypto basics

Intro to Blockchains

Blockchain Visualizers

Global, valid crypto use cases

Lunch

Crypto not so basics

Running a known bad guy using only a blockchain

Analyzing Decentralized Exchange Transactions

Transacting with individuals and entities to analyze them

Day 2

Downloading a crypto phone app

Creating paper wallets

Conducting crypto transactions (hands on)

Lunch

Practical Exercises to test all subjects learned thus far (review prior to SSE)

Conducting the SSE Escape Room

Escape Room AAR

Review and preparation for the CULEX

Day 3

Final setup and review for CULEX

Begin CULEX

CULEX AA

Training Information:

When: September 3-5, 2019

Where: Mountain View Police Department, 1000 Villa St, Mountain View, CA 94041, ID will be checked

Time: Registration: 7:30 a.m. The training will run 8:00 a.m. – 5:00 p.m.

Cost: There is no cost for this training.

To Register: Go to our webpage www.nchidta.org. Consideration for priority registration will go to full time members of NC HIDTA task forces and member agencies.

Questions? Contact:

Chad Norris

Training Coordinator

Northern California HIDTA

Email: cnorris@ncric.ca.gov