

The Center for Cybercrime Studies at John Jay College of Criminal Justice and the National Cyber-Forensics and Training Alliance (NCFTA) are offering a training course on “**Malware as a Service.**”

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**Course Dates:** January 29-30, 2024

**Course Time:** 10am-4pm (EST), with an hour lunch break

**Location:** Online via Zoom

**Course Level:** Beginner/Introductory

**Course Description:**

This course covers one type of “crime as a service” (CaaS) offered on clearnet and darknet spaces, namely malware as a service (MaaS). Specifically, this course introduces participants to MaaS, the Clearnet and Darknet sites where malware and MaaS are marketed, advertised, and sold, and information about them is distributed. Particularly, attention will be paid to the M.O., tactics, targets, and tools used by perpetrators of this cybercrime.

At the end of the course, participants will be able to:

- Explain basic elements of malware and corresponding threats, differentiate malware from ransomware, and its impact of entities (companies and organizations).
- Explain the basics of network operations, including the Open Systems Interconnections (OSI) model and its protocols.
- Describe tactics, techniques, and procedures used by threat actors, identify Multi-Stage Malware (MSM), and explain how indicators of compromise (IOC) and attack (IOA) can be used to reveal threat actors on the Deep Web and darknet.
- Identify basic information about file structures and hashes, differentiate content from metadata and malware code, and describe how sandbox and automated analysis work.
- Identify Command and Control centers, explain how threat actors orchestrate malware and botnet attacks, and describe how bullet hosters can be used to prevent detection.
- Explain the benefits of static and dynamic malware analysis and identify tools needs to examine network behavior in an investigation.

Upon successful completion of the course, participants will receive a certificate of course completion.

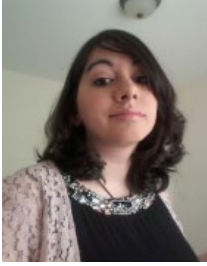
**Course Instructors:**



**Abraham Riviera**

John Jay Faculty

Abe is the first and former Executive Director and Law Enforcement Officer for NYC Department of Investigation. He currently works as Incident Commander for NYC’s OTI Cyber Command, and has been a part of John Jay College’s faculty as a lecturer for upwards of 10 years in the Department of Public Management.



**Michelle Golden**  
NCFTA Analyst

Michelle is a National Cyber Forensics and Training Alliance (NCFTA) Intelligence Analyst located in Pittsburgh PA. She works on the Malware and Cyber Threats (MCT) Team and specializes in malware analysis with focus on mobile malware and Remote Access Trojans (RATs). She received her bachelor's degree in Computer Science from Seton Hill University and an associate degree in Software Development from Community College of Allegheny County. She also has a background in education.

*This course is funded by the U.S. Bureau of Justice Assistance.*

The course is only open to U.S. state, local, tribal, and territorial law enforcement agencies, prosecutors, and judges.

A course registration link can be found here: [https://gccunyp.az1.qualtrics.com/jfe/form/SV\\_4YDpv972atqA83c](https://gccunyp.az1.qualtrics.com/jfe/form/SV_4YDpv972atqA83c)