



**OXYGEN
FORENSICS**



TRAINING CURRICULA

2022

Welcome to Oxygen Forensics 2022 next generation Training curricula!

These courses are designed to develop proficiency and subject-matter expertise with Oxygen Forensic® Detective and its technologies. Whether you are a current user of Oxygen Forensic® Detective, or new to Oxygen Forensics products, you now have a dedicated track of education with the ongoing purpose of standardizing and continuing your learning.

Oxygen Forensic® Boot Camp (OFBC)

This three-day instructor-led training course is geared toward students that have a working familiarity with mobile device extraction and analysis. With a focus on the extraction, use-case, and reporting capabilities of Oxygen Forensic® Detective, students will begin by learning methods to extract iOS and Android devices, and import multiple extraction formats of Android, Apple, and other device and data types.

The course continues with students learning core technology, allowing them to organize data, streamline workflows, and learn reporting methods that will enable them to return to their environments and immediately apply new ideas.

Students will leave this course with an Oxygen Forensics Learning Management System (LMS) account and in-depth preparation for the Oxygen Forensic® Detective certification process.

Oxygen Forensic® Extraction in a Box (XiB)

This three-day instructor-led training course is geared toward students entering the mobile forensic arena ready to learn the art and science of extracting data from phones, as well as broaden their knowledge of Oxygen Forensic® Extractor, a component of Oxygen Forensic® Detective.

The course focuses on the physical, logical, and OxyAgent methods of data extraction from Android, Apple, and KaiOS devices, as well as peripherals such as drones, SD cards, and SIM cards using Oxygen Forensic® Extractor. Students will perform hands-on data extraction through industry standard methodology, exploits, and bypass techniques, as well as other avenues, such as Emergency Download (EDL), ADB, and Common Vulnerabilities. This course also covers the fundamentals of FDE (full disk encryption), FBE (file-based encryption), and the methods of successful decryption techniques.

This course is offered in person and remotely by sending a box of cables, peripherals, and devices to students for hands-on extraction with their live instructor. The box must return to Oxygen Forensics at course end.

Oxygen Forensic® Cloud Extractor (OFCE)

This one-day instructor-led training course is geared toward students that have a working familiarity with Oxygen Forensic® Detective and have the desire to integrate cloud-based data into their investigation.

Students will learn to extract a variety of cloud-based repositories by using Oxygen Forensic® KeyScout and Oxygen Forensic® Detective to mine user credentials and tokens for cloud platform access. In addition, this training addresses two-factor authentication issues, WhatsApp database recovery, and categories of data recovery on these platforms:

- Apple (17 services | 30 categories of data and 11.2+ access)
- Google (17 services | 38 categories of data and Google Echo)
- Amazon (3 services | 24 categories of data and Amazon Alexa)

This course also takes a deep dive into the Oxygen Forensic® KeyScout by performing dead box data recovery from hard drive computer forensic images and live machines. Students learn to customize search paths, create custom search profiles, and save results for analysis in Oxygen Forensic® Detective.

Oxygen Forensic® Advanced Analysis (OFAA)

This three-day instructor-led training course is a direct successor to the three-day OFBC course, and continues with deep dives into Oxygen Forensic® Detective analytics, database parsing, lost data recovery, alternate data sets, and advanced tools, such as the Call Data Expert, the SQLite and PList viewers, and Oxygen Maps.

With scenario-based exercises, students will investigate IoT devices, application cache database files, and learn to aggregate and correlate data from multiple sources to enhance the overall investigation.

Oxygen Forensic® Drone Analysis (OFDA)

This one-day instructor-led training course is geared toward students looking to gain insight into the world of Unmanned Aerial Vehicle (UAV) forensics. Using Oxygen Forensic® Detective, attendees will learn best practices for data extraction from UAVs, UAV mobile device applications, and associated cloud account data. Students will examine these data collections to build a forensic report detailing all the activity of a UAV flight, including analysis of associated images, movies on SD-cards, and flight-control black box data.

Thank you for your interest in our
Oxygen Forensic® Detective training.
Hope to see you in class soon!

Oxygen Forensic® Agent Triage (OFAT)

This one-day instructor-led training event is geared toward students that have a working familiarity with Oxygen Forensic® Detective and are ready to execute on-scene warrants, knock-and-talks, consents to search, or roadside interrogation. This course covers the Oxygen Forensic® OxyAgent and iOS Agent for on-scene mobile data triage purposes to ensure the ability to forensically collect Android and iOS artifacts. Oxygen Forensic® OxyAgent allows a user to collect Android mobile data with an on-the-go, logical extraction to include third party applications. During this course students will learn how to prepare an on-the-go tool armed with the OxyAgent, gain permissions on the device, and selectively extract data or make a full logical acquisition of data.

Oxygen Forensic® iOS Agent is an app for iOS devices that is installed directly to the device as a regular unprivileged user app. iOS Agent allows for the extraction of data, including available deleted files and data, from Apple devices without having to jailbreak the device. This module will educate students on the full potential of iOS Agent and its configuration and implementation – focusing on the data collection without putting the target device at risk.

Oxygen Forensic® Analytic Investigations (OFAI)

This one-day instructor-led training event will deliver methodology to locate, recover, and process all image types in extracted datasets. During this course, students will learn to utilize Facial Categorization, subsequently searching faces found to quickly locate suspects, such as registered sex offenders, process all images using Image Categorization to locate everything from CSAM images to license plates, maps, currency, and weapons while also performing searches of text values inside of images and screenshots using Optical Character Recognition. Diving further into the datasets, students will learn how to search HEX to locate potential hidden images.

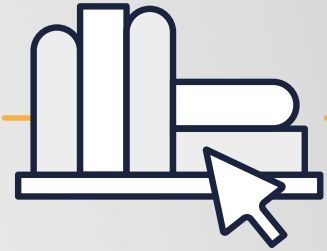
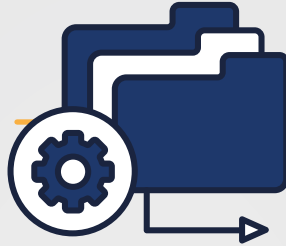
Oxygen Forensic® KeyScout Collection (OFKC)

This one-day instructor-led training event is geared toward students that have a working familiarity with mobile device extraction and analysis, and focuses on extraction, use case, and reporting capabilities of Oxygen Forensic® Detective. This course takes a deep dive into Oxygen Forensic® KeyScout, performing dead box data recovery from hard drive computer forensic images and live machines. Students learn to customize search paths, create custom search profiles, mine user credentials and tokens for cloud platform access, and save results for analysis in Oxygen Forensic® Detective.


Oxygen Forensic® Data Presentation (OFDP)


This one-day instructor-led training event will take you from the moment of device extraction all the way through to the presentation of the findings. Students will learn the process of maintaining forensically sound evidence, producing professional and accurate reports, supplying supporting documentation, and preparedness to deliver your findings in a more understandable way to the end user, whether it is a manager, a client, or a jury.





Founded in 2000, Oxygen Forensics has provided solutions in the mobile forensics market since the beginning of our mobile-connected world. Nowadays Oxygen Forensics is the leading global digital forensics software provider, giving law enforcement, federal agencies, and enterprises access to critical data and insights faster than ever before. Specializing in mobile devices, cloud, drones, and IoT data, Oxygen Forensics provides the most advanced digital forensic data extraction and analytical tools for criminal and corporate investigations.

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