

OFSA Course Description


Welcome to the **Oxygen Forensic® SQLite Analysis** training course!

This two-day instructor-led training event is geared toward students that have a working familiarity with **Oxygen Forensic® Detective**.

In the growing technological world, the way data is stored on mobile devices is more efficient, adaptable, and readily available at the device and individual application level. With tens of thousands of applications made for a variety of mobile operating systems, keeping ahead of rapid updates and new application debuts is a seemingly impossible task for any investigator. Then looking at the vast amounts of data available within each application, what is the best way to filter through the madness?

The answer is the SQLite database. An SQLite library implements a self-contained, transactional SQL database engine that is easily leveraged by the forensic examiner to perform low-level analysis and data recovery on specified SQLite databases. Join us for a 2-day instructor-led in-person or remote training journey where we demystify low-level SQLite data analysis and recovery using our built-in and external SQLite Database Viewers. In this class you will learn what SQLite is, how to analyze and perform executable tasks on the many complex tables that make up a single database file to create reportable results. We will deep-dive into a better understanding of the usefulness and use-cases of SQLite scripting to granularize your application-level analysis.

Oxygen Forensic® Detective is the flagship technology of Oxygen Forensics and a world-class suite of tools that allow an investigator to ingest mobile device data from industry standard extraction formats into a database architecture for single device analysis or multi-device analytics.



Additional in-depth training available for Oxygen Forensic® Detective includes:

- OFDA – Oxygen Forensic® Drone Analysis (1-day, instructor-led)
- OFCE – Oxygen Forensic® Cloud Extraction (1-day, instructor-led)
- OFXiB – Oxygen Forensic® Extraction in a Box (3-day, instructor-led)
- OFAA – Oxygen Forensic® Advanced Analysis (3-day, instructor-led)
- OFBC – Oxygen Forensic® Boot Camp (3-day, instructor-led)
- OFDV – Oxygen Forensic® Detective Viewer (1-day, on-demand)
- OFAT – Oxygen Forensic® Agent Triage (1-day, instructor-led)
- OFDP – Oxygen Forensic® Data Presentation (1-day, instructor-led)
- OFKC – Oxygen Forensic® KeyScout Collection (1-day, instructor-led)
- OFAI – Oxygen Forensic® Analytic Investigation (1-day, instructor-led)

All courses can be accessed buffet-style at a fixed price with a Training pass.

Course Modules

Install and Support

This module educates end-users about their customer experience with Oxygen Forensics while learning to install the latest Oxygen Forensic® Detective (OFD) products and mobile device drivers. Students will learn how to access their unique customer portal and download any software components needed.

Discovering SQL Databases

This module covers the fundamentals of SQLite databases. Students will learn why they exist, the different types of data potentially contained within them, where they can be located, and how to process data from within them using SQLite technology included with OFD.

Utilizing the Oxygen Forensic SQLite Viewers

Here, the student will learn how to analyze and perform executable tasks on the many complex tables that make up a single database file to create reportable results utilizing both the internal and external Oxygen Forensic Viewers. From this module, a student will take away the knowledge they need to begin the analysis needed to find the data they are looking for straight from the database from which it was parsed. Learn how to parse the data yourself and also dig into the databases to validate the parsed findings.

Reporting

This reporting wizard module demonstrates how to export data into one of many output formats that can include graphics, hyperlinks, and date | timefilters. Reports can be modified to resemble corporate or agency logos and headers | footers while also being saved as templates for later use. The OFD report wizard specializes in reducing the unwanted noise data around items of importance. Specificity becomes key when data is organized with the report wizard's abilities.

Practical Labs

This course concludes with several practical applications of database data recovery, tool use and reporting of analyzed data.

Thank you for the interest in Oxygen Forensic® Training. Hope to see you in class soon!