

Advanced App Analysis



Course Overview:

The Advanced App Analysis course provides students with the skills and knowledge needed to become masters of SQLite database analysis and become proficient in Python scripting. Students receive in depth instruction on database structures and management along with a full understanding of how to analyze other supporting smartphone app files such as PLists, XML, WAL and SHML files.

Students apply the current version of Python to create scripts that parse files associated with smartphone apps and large data sets and learn how to integrate that data into XAMN Spotlight for analysis and reporting.

Key course takeaways:

- Gain a deep understanding of SQLite and data structures found within databases
- Discover how data is stored and managed within SQLite databases
- Unravel encoding schemes to unveil data stored within strings and BLOBs
- Decode Variable Length Integers (VarInts) to identify data length and size values
- Understand how the Write Ahead Log (WAL) and Shared Memory File (SHM) work
- Introduction to coding with Python 3.x with gradual advancement to intermediate levels
- Build Python functions to handle parsing routines
- Apply Python modules to parse data from PLists and SQLite databases
- Use Object Oriented Programming to create class objects
- Integrate data to XAMN Spotlight for ease of viewing and reporting using Python

Delivery Method

- Instructor-led Classroom
- Instructor-led Live Online

Course length

40 hours

Pre-Requisites

XRY Intermediate or
XAMN Spotlight Certification

More Information at
msab.com/training

Learning Pathways:

Obtaining Certification is the only way to ensure full awareness and understanding of all the features and complexities of the different products offered by MSAB. MSAB offers two training pathways; the Examiner pathway and the Analyst pathway.

Each pathway provides users with unique certifications along the way, culminating in a final achievement of obtaining the designation of MSAB Certified Forensic Professional.

