

The MSAB Training Academy: XAMN Pro Advanced Analyst

Expert-Level Training in Data Parsing & Analysis



This five-day course is designed for experienced digital forensic professionals looking to deepen their analytical skills in mobile forensics. Participants will work extensively with SQLite databases and Python scripting to uncover and parse critical artifacts hidden in mobile data.

Why Get Certified?

Understanding how and where data is stored is essential. This course teaches you how to extract, interpret, and visualize forensic data using advanced tools and scripting—improving accuracy, efficiency, and case outcomes.

Key Topics Include:

- Parsing data from SQLite and PList files
- Writing custom Python functions for automation
- Understanding data encoding, WAL files, and BLOBs
- Decrypting unsupported app databases
- Integrating parsed data into XAMN for reporting

Prerequisite: Active XAMN Pro Certification

Take the Next Step in Your Forensic Career.

Contact your MSAB representative or visit:
msab.com/training/xamn-pro-certification

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For seasoned digital forensic professionals, simply extracting data isn't enough—what matters is the ability to find, understand, and present the most meaningful evidence within it. The XAMN Pro Advanced Analyst Course is a five-day, expert-level program built for those ready to dive deeper into the structure, behavior, and context of mobile forensic data.

This course focuses on advanced analysis using SQLite databases, PList and XML files, Python scripting, and forensic visualization tools. It's designed to help professionals uncover artifacts often missed by traditional tools and techniques—giving you the skills to parse, manipulate, and report on the most critical data with confidence.

What You'll Learn:

Participants will receive in-depth instruction and hands-on lab experience covering:

- **SQLite Fundamentals & Beyond**
Learn how data is stored, updated, and deleted; explore BLOBs, strings, and encoding schemes
- **Write Ahead Logs (WAL)**
Understand the forensic value of WAL files and how they capture data in transition

- **Parsing and Scripting with Python**
Write Python functions to automate extraction and analysis of PList and SQLite data
- **Decryption Techniques**
Get decryption keys from RAM to decrypt unsupported databases
- **XAMN Integration**
Import parsed data into XAMN to build structured cases and generate forensic reports

Course Details:

- Duration: 5 days
- Delivery: Instructor-led (in-person or virtual)
- Certification: MSAB XAMN Pro Advanced Analyst Certificate awarded upon completion
- Prerequisite: Active XAMN Pro Certification
- Recommended: XRY Certification

Take your data analysis capabilities to the next level. The XAMN Pro Advanced Analyst Course gives you the skills to go beyond surface-level results and dig into the deeper layers of digital evidence—backed by scripting, visualization, and expert workflows.

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