



The International Association of Computer Investigative Specialists

Applied Scripting Forensic Techniques

Core Competencies

IACIS Applied Scripting Forensic Techniques (ASF) Program

The ASF core competencies described in this document are a binding set of competencies that guide the training program to ensure that the skills and knowledge points are delivered within the training program.

IACIS Applied Scripting Forensic Techniques (ASF) Core Competencies

There are five competency areas addressed in the ASF Program:

- i. Data Extraction Techniques**
 - ii. Scripting Language Proficiency**
 - iii. Problem Solving and Critical Thinking**
 - iv. Command Line Proficiency**
 - v. Practical Application and Hands-On Experience**
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- i. Data Extraction Techniques**
 - a. Understanding the principles of data extraction from various sources.
 - b. Mastery of using scripting languages like RegEx, SQL, Batch, BASH, Python, and PowerShell for data extraction.
 - c. Proficiency in using Linux command-line tools for extracting unstructured file data.
 - ii. Scripting Language Proficiency**
 - a. Developing skills in writing scripts using RegEx, SQLite, Batch, BASH, Python, and PowerShell.
 - b. Understanding and application of custom scripts to solve specific forensic challenges.
 - c. Applying scripting techniques to automate repetitive tasks and enhance efficiency in data extraction.
 - iii. Problem Solving and Critical Thinking**
 - a. Knowledge of complex forensic problems where automated tools fail.
 - b. Developing innovative solutions through scripting to extract and interpret hidden data.
 - iv. Command Line Proficiency**
 - a. Understanding use of Linux command-line for forensic purposes.
 - b. Employing alternate command-line extraction techniques for unstructured data.

- c. Enhancing command-line skills to complement and extend the capabilities of standard forensic tools.

v. Practical Application and Hands-On Experience

- a. Applying scripting knowledge to support forensic case examinations.

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Membership Review Period:	<hr/> NA <hr/>
Draft of Policy Reviewed by Board:	<hr/> August 17, 2024 <hr/>
Date of Policy Ratification by Board:	<hr/> October 7, 2024 <hr/>
Effective Date (30 days after ratification):	<hr/> October 7, 2024 <hr/>
Final Version Identifier:	<hr/> 1.0 <hr/>