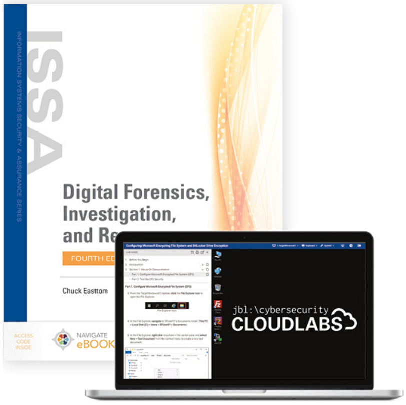
TRANSITION GUIDE


ISSA
INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES
Digital Forensics, Investigation, and Re
FOURTH ED
Chuck Easttom
NAVIGATE eBOOK
jbl:\cybersecurity
CLOUDLABS

Chuck Easttom

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This transition guide serves to outline the updates and new content found in ***Digital Forensics, Investigation, and Response, Fourth Edition***.

GLOBAL UPDATES

- Near-total replacement of virtual labs from the second and third edition.
- Automated Lab Report functionality allows students to create Deliverables directly from the Lab Guide and download their Lab Reports as PDFs.
- Primary operating system updated to Windows Server 2019.
- Increased number of screenshots.
- Improved alignment with textbook chapters.
- Eliminated deliverable files, replacing with screenshots where applicable.
- Eliminated Assessment Worksheets and reduced Assessment Quizzes to 10 questions to simplify assessment options.

SPECIFIC LAB UPDATES

Lab 1: Applying the Daubert Standard to Forensic Evidence

- Updated evidence files.
- Reduced the number of forensic tools used in Section 1 from three to two.
- Eliminated use of Encase, added Autopsy.
- Updated Section 2 content for improved differentiation from Section 1.

Lab 2: Recognizing the Use of Steganography in Forensic Evidence

- Near total re-write of lab exercises.
- Added new steganography tools and evidence.

Lab 3: Recovering Deleted and Damaged Files

- New lab introducing tools and techniques for recovering deleted data.

Lab 4: Conducting an Incident Response Investigation

- Full re-write of original incident response lab.

Lab 5: Conducting Forensic Investigations on Windows Systems

- New lab introducing tools and techniques for performing forensic investigations in Windows.

Lab 6: Conducting Forensic Investigations on Linux Systems

- New lab introducing tools and techniques for performing forensic investigations in Linux.

Lab 7: Conducting Forensic Investigations on Email and Chat Logs

- Full re-write of original email forensics lab.

Lab 8: Conducting Forensic Investigations on Mobile Devices

- New lab introducing tools and techniques for performing forensic investigations on mobile device evidence.

Lab 9: Conducting Forensic Investigations on Network Infrastructure

- Full re-write of original packet analysis lab.
- Added a full multi-router network topology and live router / firewall forensic exercises.

Lab 10: Conducting Forensic Investigations on System Memory

- New lab introducing tools and techniques for creating and examining memory dumps.

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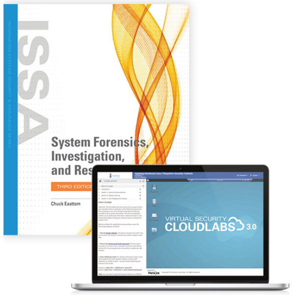
CHAPTER OUTLINE

This chapter outline has been created to help you easily transition to the fourth edition. Note that chapter content from the third edition may now be found in a different chapter in the fourth edition. Also note that chapter numbers and titles may have been updated.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System Forensics, Investigation, and Response, Third Edition

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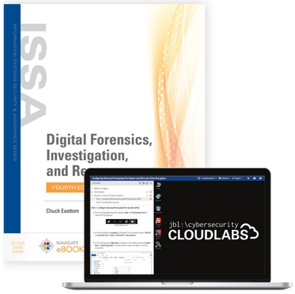
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Digital Forensics, Investigation, and Response, Fourth Edition

By Chuck Easttom

Third Edition	Fourth Edition
Lab 1: Applying the Daubert Standard to Forensic Evidence	Lab 1: Applying the Daubert Standard to Forensic Evidence
Lab 2: Documenting a Workstation Configuration using Common Forensic Tools	Lab 2: Recognizing the Use of Steganography in Forensic Evidence
Lab 3: Uncovering New Digital Evidence Using Bootable Forensic Utilities	Lab 3: Recovering Deleted and Damaged Files
Lab 4: Creating a Forensic System Case File for Analyzing Forensic Evidence	Lab 4: Conducting an Incident Response Investigation
Lab 5: Analyzing Images to Identify Suspicious or Modified Files	Lab 5: Conducting Forensic Investigations on Windows Systems
Lab 6: Recognizing the Use of Steganography in Image Files	Lab 6: Conducting Forensic Investigations on Linux Systems
Lab 7: Automating E-mail Evidence Discovery Using P2 Commander	Lab 7: Conducting Forensic Investigations on Email and Chat Logs
Lab 8: Decoding an FTP Protocol Session for Forensic Evidence	Lab 8: Conducting Forensic Investigations on Mobile Devices
Lab 9: Identifying and Documenting Evidence from a Forensic Investigation	Lab 9: Conducting Forensic Investigations on Network Infrastructure
Lab 10: Conducting an Incident Response Investigation for a Suspicious Login	Lab 10: Conducting Forensic Investigations on System Memory