Linux Forensics

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http://philpolstra.com

Certifications:

http://www.securitytube-training.com

Pentester Academy: http://www.PentesterAcademy.com

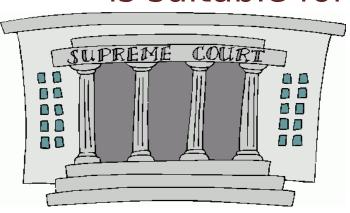
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Forensic Basics: Background



What is Forensics?

- Merriam-Webster: Forensic (n) belonging to, used in, or suitable to courts of judicature or to public discussion and debate
- Forensic science or forensics is the scientific collection of evidence of sufficient quality that it is suitable for use in court



Kinds of Forensics

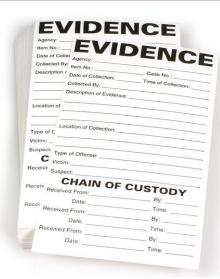
Physical

- Transfer
- Fingerprints
- DNA
- Digital
 - Network
 - Data storage
 - Small devices
 - Computers



General Principles

- Maintain integrity of evidence
- Maintain chain of custody
- Document everything
 - Handwritten is better
 - Work with a partner if possible
- Follow standard practices



Phases of Investigation

- Evidence preservation
 - First do no harm
- Evidence searching
 - More complicated as storage has increased
- Event reconstruction



Incident Response

- First validate that there was an incident
- Then proceed with preservation, searching, and event reconstruction
- Might need to do some preliminary investigation to determine if there was an incident
- Not done till reports are complete

High Level Process

