



Digital
forensics



What is Digital Forensic?

Digital forensics is the art and science of *finding, analyzing, preserving* and *the precise documentation* of digital evidence, wherever it may be found, and then interpreting those findings in a way that makes it meaningful to any client or trier of fact. It is the use of scientifically derived and proven methods toward the *preservation, collection, validation, identification, analysis, interpretation, documentation* and *presentation* of evidence derived (Digital Evidence) from digital sources/media.

Digital Evidence in Criminal Investigation

Digital evidence is being employed effectively in all types of litigation. From hostile work environment issues, *criminal defense cases, intellectual property matters, financial fraud to family law practices*, etc. Mostly all matters of litigation benefit from the services of a digital forensics examiner.

Information that can be digital evidences in any litigations..

Computer Information – Forensic Analysis on Hardisk.External Drive, Thumb Drives

- ✦ Confidential files:
 - Hidden, deleted, temporary and password-protected files can be recovered
 - Documents and spreadsheets
 - Contact information and calendars
- ✦ Email/Chats
 - Confidential files transfer
 - Confidential communication
- ✦ Internet browsing history and habits
 - Online banking transactions
 - Online purchase/payment
 - Online gambling, etc..
- ✦ Pictures, graphics, videos and music
- ✦ Event logs, hacker activity and break-in attempts
 - Capture of suspect activity (fraudster activity)
 - Timeline based for files, internet transactions,etc..
 - Timeline capture of files transfer, email, chat..etc.
- ✦ Software installed (illicit, pirated and legitimate)
 - All types of programs details capture



Mobile Phone Information – Forensic Analysis on All types of CDMA phones

- ✦ Phone number and service provider information
- ✦ Outbound and inbound call information
- ✦ Text messages, instant messages, MMS
- ✦ Emails.Gmail,Hotmail,Yahoo, Skypes,etc..
- ✦ Address books and calendars
- ✦ GPS data and location information
- ✦ Internet browsing history and habits
- ✦ Photos, videos, music and voice recorder data
- ✦ Predictive dialing directories and dictionaries
- ✦ Hidden, deleted, temporary and password-protected files can be recovered
- ✦ File System Support
- ✦ SIM Cloning
- ✦ Reporting – PDF,HTML,TXT,XLS supported, etc....



www.ogitforensics.com

OG IT FORENSIC SERVICES

(002038326-H)

- Private Digital Forensic Investigator
- Computer Forensic
- Mobile Phone Forensic
- Digital Media Acquisition and Analysis
 - Hardisk/External hard disk,Thumbdrive,CD,etc..
- eDiscovery Services
- Digital Evidence Preparation
- LIVE Security Incident Response
- Forensic Accountant Engagement

OG IT Forensic Investigator is certified with *Computer Hacking and Forensic Investigator* and *SANS Certified Security Incident Handling*

MISSION: Bringing FINANCIAL FRAUD, IDENTITY THEFT & CYBER CRIME to JUSTICE with Digital Evidence

Forensic Process..

Acquisition of digital media has to be done immediately. Followed by Forensic imaging, or copying, that involves the following critical phases:

- Securing and preserving the data source;
- Imaging the items/media (physical/logical),
- Documenting the approach and methods used to copy data;
- Validating the accuracy of the evidence.

The essence of digital forensics begins with the procedures utilized to create a forensic image. A proper forensic imaging process insures the integrity of the evidence by preserving it.



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