

# **Digital Forensics**

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**Lecture 13  
Steganography**

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# Outline

- Steganography
- Null Ciphers
- Digital Image and Audio
- Digital Carrier Methods
- Detecting Steganography
- Tools
- Reference:  
[http://www.fbi.gov/hq/lab/fsc/backissu/july2004/research/2004\\_03\\_research01.htm](http://www.fbi.gov/hq/lab/fsc/backissu/july2004/research/2004_03_research01.htm)
- Topic for lecture #14: Intelligence Digital Forensics

# Steganography

- **Steganography is the art of covered or hidden writing.**
- **The purpose of steganography is covert communication to hide a message from a third party.**
- **This differs from cryptography, the art of secret writing, which is intended to make a message unreadable by a third party but does not hide the existence of the secret communication.**
- **Although steganography is separate and distinct from cryptography, there are many analogies between the two, and some authors categorize steganography as a form of cryptography since hidden communication is a form of secret writing**
- **We will treat steganography as a separate field.**