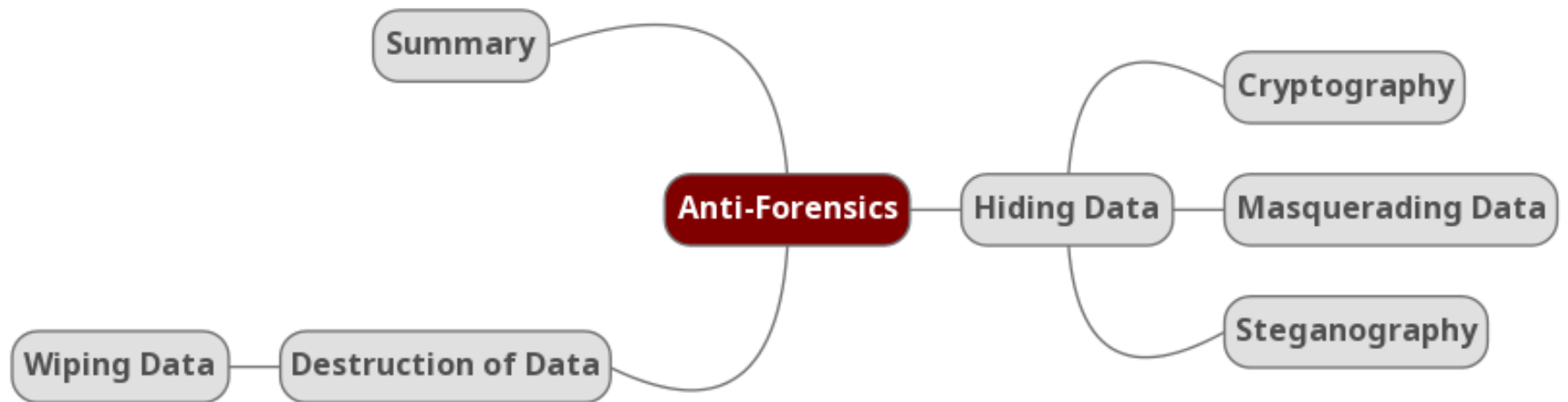




## Chapter 7: Anti-Forensics

### Introduction to Digital Forensics



# Literature

- The Basics of Digital Forensics: The Primer for getting started in Digital Forensics
  - John Sammons
- Anti-Digital Forensics, The Next Challenge: Part 1
  - <https://www.forensicmag.com/article/2008/12/anti-digital-forensics-next-challenge-part-1>
- An Overview of Steganography for the Computer Forensics Examiner
  - <https://commons.erau.edu/cgi/viewcontent.cgi?article=1138&context=publication>

# Anti-Forensics



TIME IS MONEY

# Anti-Forensics

*“ Manipulate, erase, or obfuscate digital data or to make its examination difficult, time consuming, or virtually impossible. ”*

*(John Barbera)*



# Techniques



# Anti-Forensic Techniques



Hiding Data



Destruction of Data

# Anti-Forensic Techniques



**Hiding Data**



Cryptography



Masquerading Data

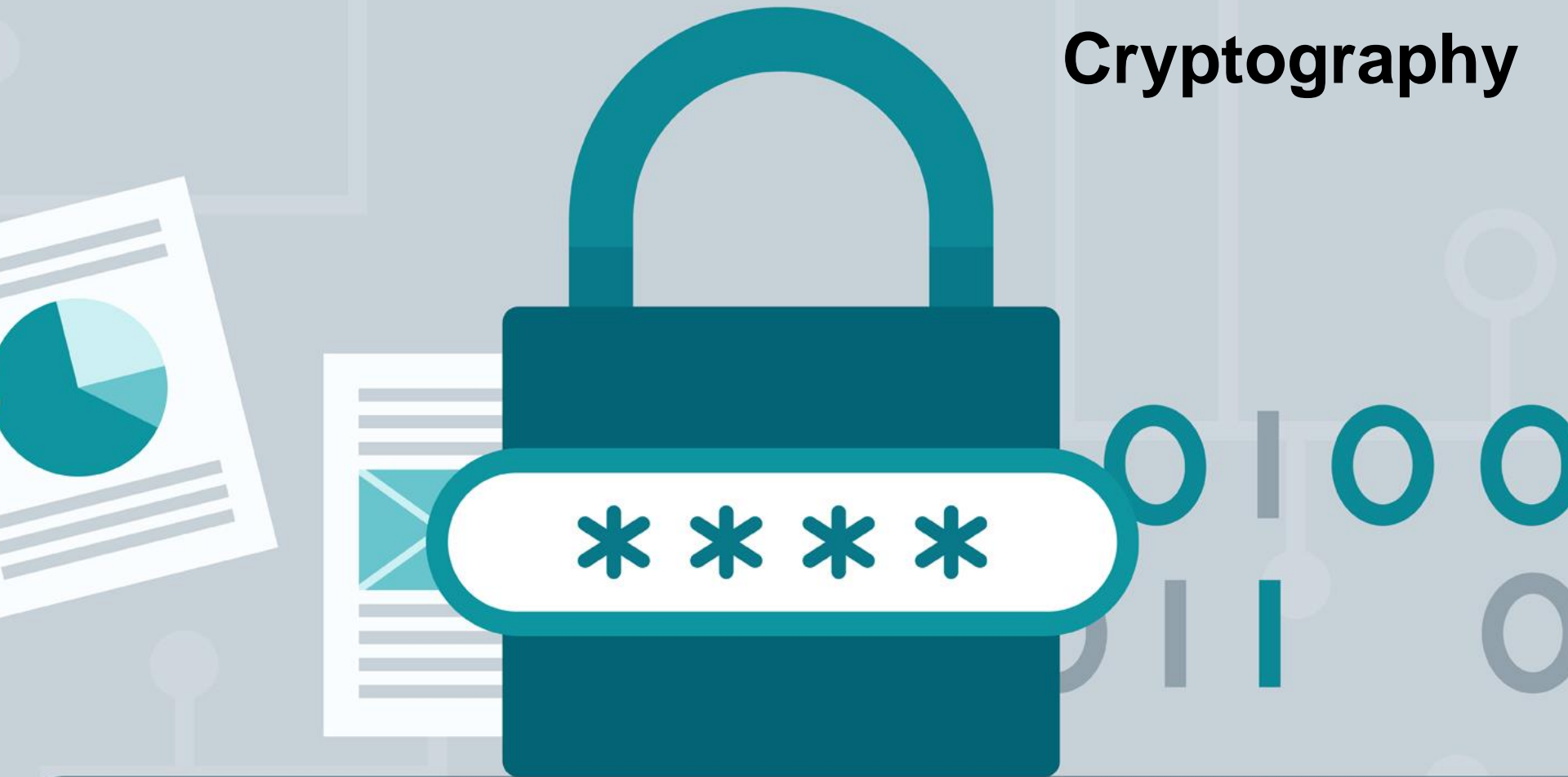


Steganography



# Hiding Data

# Cryptography





# BitLocker



# FileVault



VeraCrypt









My  
Password  
123456



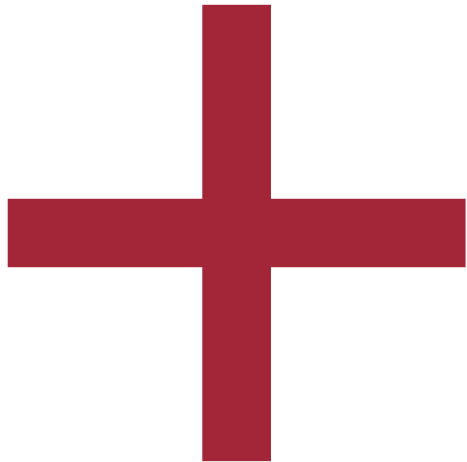
# Brute Force Attack



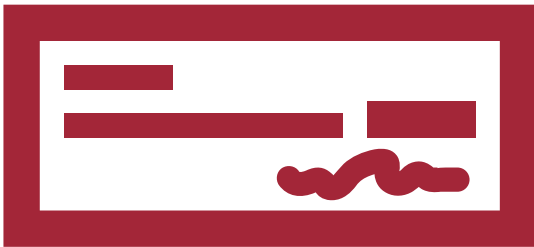
# Dictionary Attack

# Masquerading data

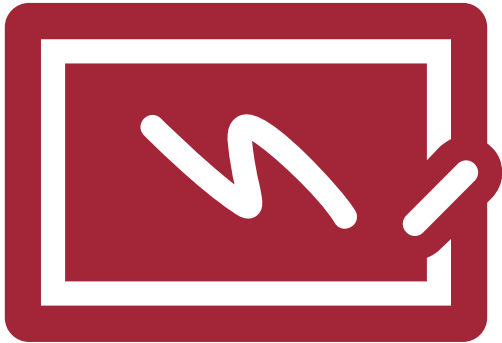




# File Extension



# File Signature



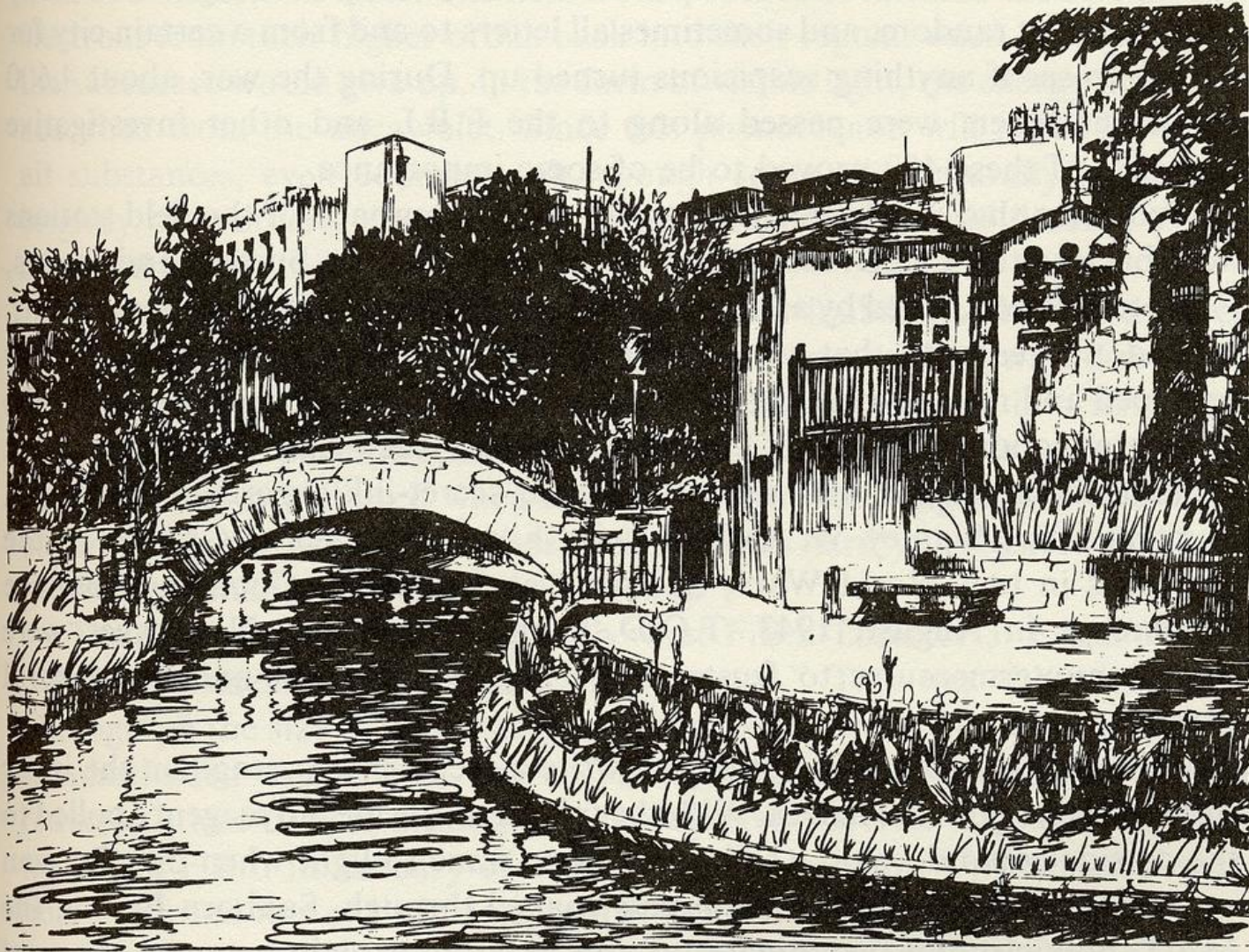
# File Name



# Storage Location



# Steganography



*A drawing of the San Antonio River that conceals a secret message (solution in Notes)*







# Steganalysis





# Destruction of Data



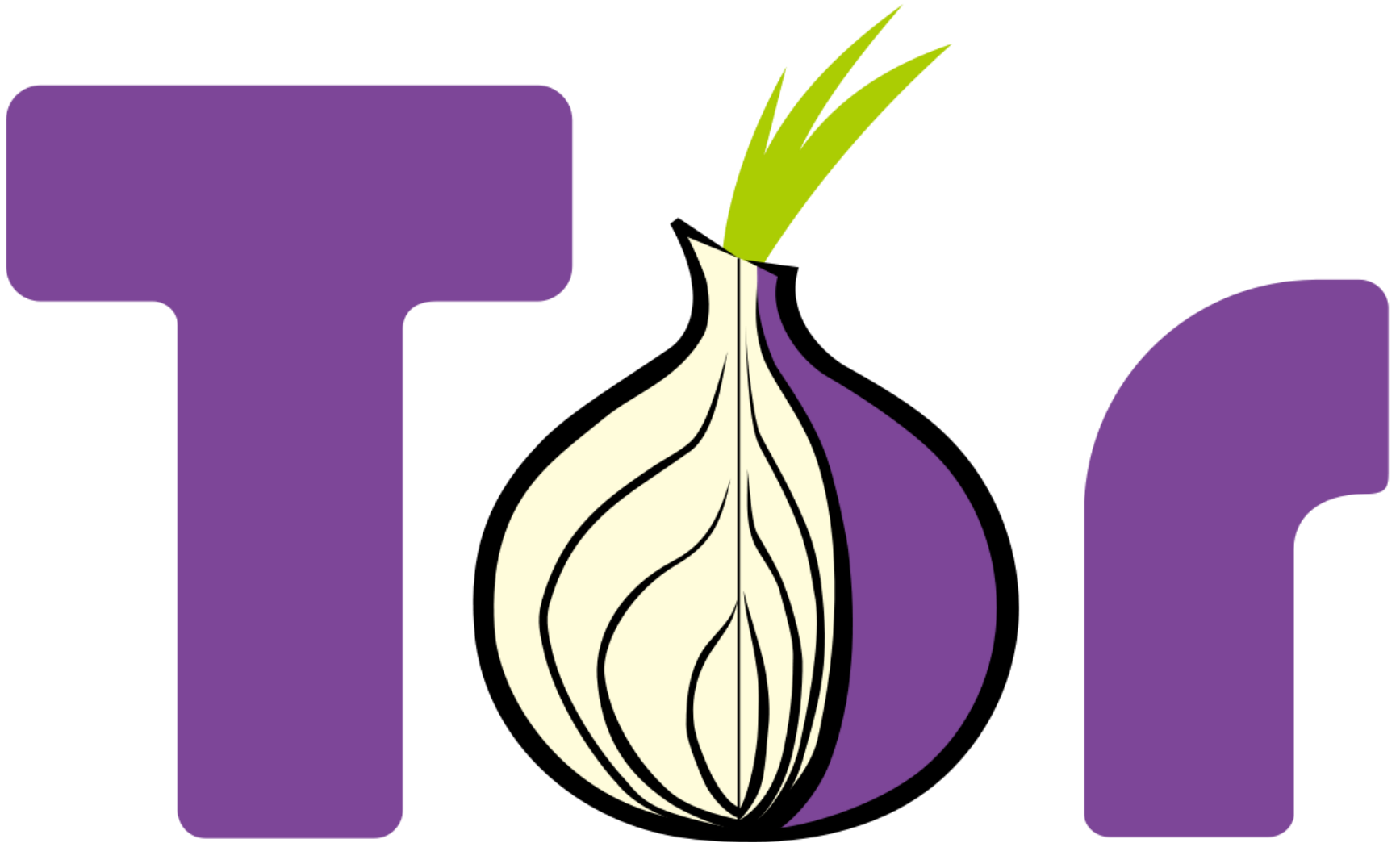
> Delete

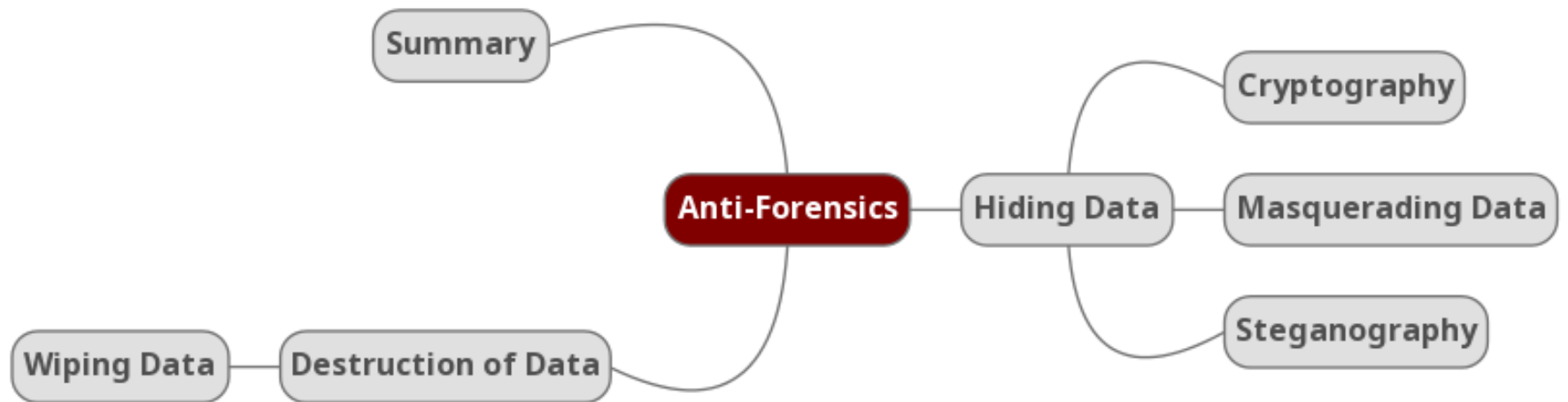


Wiping











## Chapter 7: Anti-Forensics

### Introduction to Digital Forensics