

DIGITAL EVIDENCE - THE GATHERING STORM

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R³ Digital Forensics
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DIGITAL FORENSICS – PROLIFERATION OF DIGITAL EVIDENCE

- Recover “deleted” files
- Get Stuff user never “saved”
 - Swap file or Page file
 - Hiberfil.sys
 - Temporary Internet Files
- Help you understand what occurred on the device
 - Registry files
 - Link Files
 - JumpList
 - USBStor
 - Windows Timeline
 - SQLite Database examination
- IOT
 - Watches, Alexa, Car Devices and on and on
- Extract Data from Mobile Devices
 - Tablets
 - Smart Phones
- Capture Web Based Data
 - Gmail
 - Dropbox, Box etc.
- Collect Social Media Data
 - Facebook
 - Instagram
 - Twitter
 - Etc.

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“It May Be Recoverable”

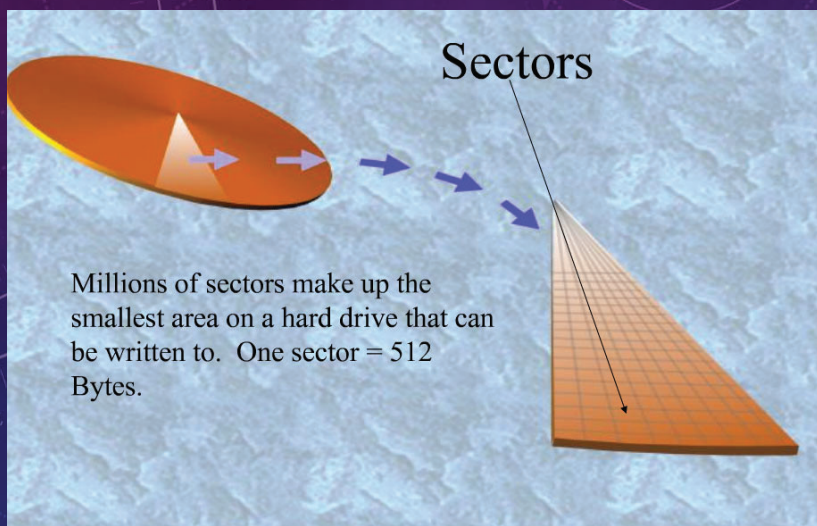
- “01010010” “00110011”
- Stored as a series of magnetic charges on disk platters and external media.



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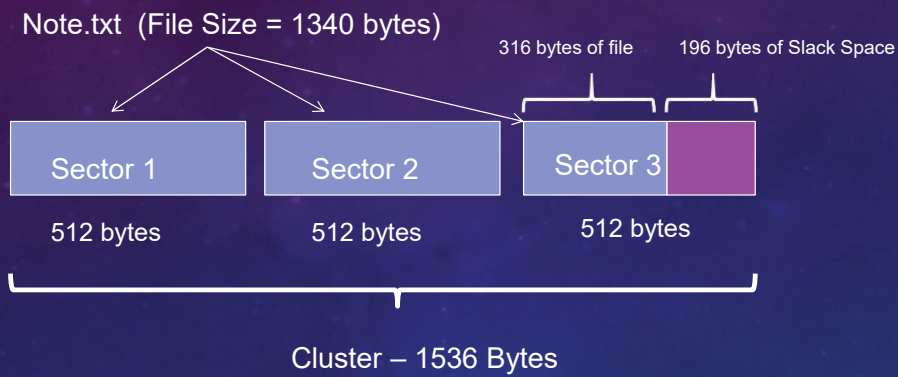
3

A “Sector” is



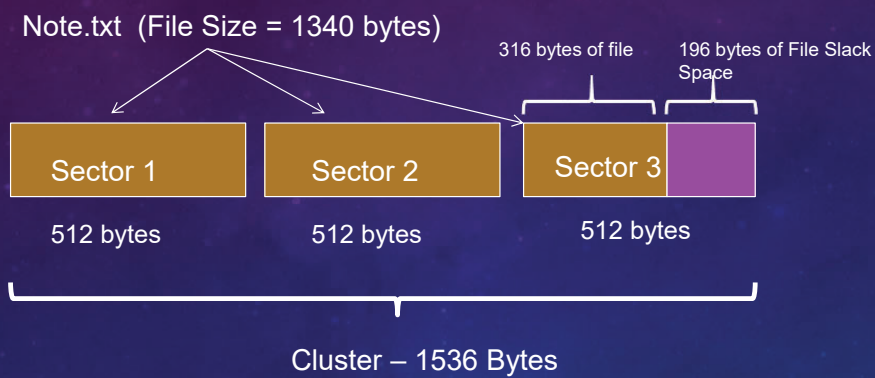
4

WHY DELETED FILES MAY BE RECOVERABLE



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NOTE.TXT IS DELETED BY THE USER



The data is still there in the exact same place. The File System just marks the location of Note.txt as available or Unallocated Space

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Title search: Digital Evidence: The Gathering Storm

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[2020 Technology Law eConference](#)

First appeared as part of the conference materials for the
33rd Annual Technology Law Conference session
"Digital Evidence: The Gathering Storm"