

## Data Hiding in Mobile Phones

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### The Problem

- Increasingly easier to get into the file systems of cell phones.
- Tools such as Cellebrite UFED & Susteen DataPilot claim to be able to extract existing, hidden, and deleted data from over 7500 different phones.
- Can data hiding techniques defeat these tools?

### Methodology

- Hide data on three different phones (Android, Windows Mobile, iPhone)
  - Hide a file in a folder nested 129 folders deep
  - Change file extension
  - Disguise as system file
  - Make the file hidden
- Once hidden, run the tool to see if data is found
  - Cellebrite UFED
  - Susteen DataPilot