



AVANSIC®
eDiscovery + Digital Forensics

Cell Phone Forensics Reveals Valuable Information and User Details

The extensive daily use of cell phones results in an abundance of data held in your hand. Cell phone forensics provides a complete picture of the device and its user, including hidden and buried information, and is key to collecting and retrieving the wealth of data available to support an investigation.

Extensive expertise is required to manage the constantly changing environment of mobile devices. The data uncovered can expose specific actions taken by a user, providing insight into events that have recently occurred.

Cell phone forensics can provide evidence such as audio files, videos, images, text messages, emails, and more. This further includes analysis of event logs, information related to a contact, details of social media activity, and insight on device movement through GPS history.

A damaged or destroyed phone, or user attempts to hide data, can be overcome to find and extract information. Even after a file is deleted a digital imprint remains. Forensics can provide details and potentially restore lost images and files.

Avansic performs cell phone and mobile device forensics, including collecting evidence from Android and iPhones as well as tablets. We also maintain ongoing education and compatibility with new phones.



Gain Access to the Mobile Device Data You Need

Avansic's Process

Using Cellebrite, the industry standard used at the highest level of law enforcement, our mobile device collection involves no destructive testing. The process begins by extracting data from the mobile device while ensuring the extraction does not destroy any data.

The extracted data is then parsed to generate a full list of active and recovered data. The full set of data can be delivered in a series of reports for review. Alternatively, Avansic can use the built-in functionality in Cellebrite to filter or cull down results to a response set based on predetermined parameters or a protective order. A report of this culled data can be provided for review.

Collection Types

There are three types of collection: physical, logical, and file system.



Physical Collection

Physical collection – is a forensic, bit-by-bit acquisition for the most comprehensive extraction of data. It allows for data carving and is limited to Android or older iPhones (model 4 and earlier). Rooting may be required to gain admin access so data recovery isn't limited.



Logical Collection

Logical collection – is the quickest and most supported extraction method. It involves finding and collecting active data through communication with the operating system on Android; it does not include free space. For iPhones it is similar to the backup process through iTunes.



File System Collection

File System collection – is performed by interacting with the operating system and includes the ability for forensic tools to directly access files, including system files and logs, on a mobile device's internal memory. Deleted data is not available using this method.

Avansic will attempt all of these collection types based on the desired parameters of an investigation and the make/model of the phone.

Once the information is obtained, Avansic delivers it to you in a comprehensive and searchable report. You can peruse this information or have our examiners narrow it down for you. In addition, Avansic may be able to assist with collecting and examining information synced to the cloud through mobile devices.

Pricing

Tier 1 - \$450

Receive direct results from the cell phone collection on a thumb drive with analyzer software to review the data.

Through physical, logical, or file system collection, we can often retrieve:

- **Call times and durations**
- **Call history and voicemails**
- **Text and MMS messages**
- **Contacts**
- **Photos and videos**
- **Email and Calendar**
- **List of installed apps**
- **App and social media usage**
- **Cloud-synced information**
- **Device ID capture**

Additional Services

In addition to what is provided in Tier 1, Avansic offers additional services such as data storage, data analysis, forensic investigation/expert review and reporting, and call detail report analysis.



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Avansic's cell phone forensic experts will help you collect, uncover, and identify the existence of information, presenting access to analyze mobile data.

Contact Avansic today to discuss your project and get a custom quote!

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