



CELLEBRITE

Advanced Mobile Device and Digital Forensics



WC Aug 2020

15 MILLION MOBILE DEVICES INFECTED DATA LEAKAGE: HOW SECURE IS YOUR DEVICE

It may sound like a diagnosis from the robot urologist, but [data leakage is widely seen as being one of the most worrisome threats to enterprise security in 2019.](#)

Mobile apps are often the [cause of unintentional data leakage](#). For example, "riskware" apps pose a real problem for mobile users who grant them broad permissions, but [don't always check security](#). These are typically free apps found in official app stores that perform as advertised, but also send [personal—and potentially corporate—data](#) to a remote server, where it is mined by advertisers, and sometimes, by cyber criminals.

Data leakage can also happen through [hostile enterprise-signed mobile apps](#). These mobile malware programs use distribution code native to popular mobile operating systems like iOS and Android to move valuable data across corporate networks [without raising red flags](#).



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Advanced Mobile Device Forensic Services

ACS in conjunction with Dynamdre, found [multiple instances of malicious software and applications](#) installed on mobile devices, for the [purpose of eavesdropping and data leakage](#).

Mobile devices are right in the middle of three booming technological trends: [Internet of Things](#), [Cloud Computing](#), and [Big Data](#). The proliferation of mobile technology is perhaps the main reason, or at least one of the main reasons, for these trends to occur in the first place. Nowadays, mobile device use is [as pervasive as it is helpful](#), especially in the context of [digital forensics](#), because these small-sized machines amass huge quantities of data on a daily basis, which can be extracted to facilitate the investigation. Being something like a digital extension of ourselves, these machines allow digital forensic investigators to glean a lot of information.

A close-up photograph of a white evidence tag with a red border and a red and white striped tape. The tag is lying on a light-colored surface. The word 'EVIDENCE' is printed in large, bold, black letters at the top. Below it, there are fields for 'CASE NO.', 'TIME', and 'OFFENSE', each followed by a horizontal line for writing. To the right of the 'TIME' field, there are two small boxes labeled 'AM' and 'PM'.

EVIDENCE

CASE NO. _____ TIME _____ AM PM

OFFENSE _____



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We strive to provide our customers with innovative, yet affordable TSCM / "Debugging" and Digital Forensic Services.

Our facilities boast a state-of-the-art digital forensic laboratory, safely and securely situated within the heart of South-Africa's largest research institute.

Our investment in technology and highly skilled resources, ensure that we stay ahead of our competitors, and allow us to deliver services and results of the highest standard and quality.



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