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Application analysis: Novel approaches to analysing applications on mobile devices and computers from a digital forensic perspective. Analysis may include configuration and log data, network telemetry and cloud storage, live memory artifacts, and indications of compromised and abused applications. Proposed methods should go beyond a single version of an application and be generalized to multiple versions of an application, or a general category of applications (e.g. social networking), on multiple platforms (Android, iOS). In addition, strong work in this area will extend the functionality of an existing open source tool, or provide a new open source tool. Also of interest are approaches to performing validation and quality assurance of forensic software that must be updated frequently to support new applications. Such papers should be structured around investigative questions that are commonly encountered in digital investigations, concentrating on the users and their activities rather than only on technical elements.

Tool reviews: Evaluation and comparison of specialized software and hardware used to preserve, survey, examine, analyse or present digital evidence and multimedia, deepening our understanding of specific tools, and highlight any needed enhancements.

Future challenges: Analysis of new technologies, vulnerabilities and exploits which may create opportunities for criminality and/or computer security incidents, but which require further work in order to determine how their use can be investigated and the evidential opportunities they may create.

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