

Name: Worms, Boyen
Student course topic: IT-Security

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Current lecture topic: Digital Forensics and Digitalized Forensics

Which security aspect(s) is/are addressed by the method(s) / concept(s) described ...

... in the current lecture topic?

- ☐ Confidentiality
- ☒ Authenticity
- ☒ Integrity
- ☐ Non-repudiation
- ☐ Availability
- ☐ Privacy
- ☐ None

... in your chosen student course topic?

- ☐ Confidentiality
- ☒ Authenticity
- ☒ Integrity
- ☐ Non-repudiation
- ☐ Availability
- ☐ Privacy
- ☐ None

- a) For the current lecture topic, which current application scenarios have you seen in the news or literature?
Important: Include a reference (e.g. website) for your news item!

Durch die Entwicklung von Forensics 2.0 für Android und iOS. ~~Die~~ Linux basierte Forensic OS, werden auf dem Smartphone oder PC, erst geteilt und. Nicht mehr den Short Verfahren wie Remote - Access. <http://www.hackmes.nl>

- b) Do you think your chosen student course topic could be combined with the current lecture topic to increase the security or usability of media objects?
☒ yes ☐ no

- c) If you answered in b) above with yes:

How could the combination of both topics be implemented?

Forensische Analyse von digitalen Medien mittels kryptographischer Hashes -> Analyse von digitalen Medien mittels kryptographischer Hashes und kryptographischer Hashes und kryptographischer Hashes

What could be the benefit of this combination?

Die kryptographische Analyse von digitalen Medien mittels kryptographischer Hashes, selbst bei großen Mengen an Daten.

What would be the cost/downside of this combination?

Die kryptographische Analyse von digitalen Medien mittels kryptographischer Hashes, wenn ein kryptographischer Hash-Verfahren gewählt werden würde.

Which application scenario do you see where this combination could/should be applied?

Automatisierte Analyse von digitalen Medien mittels kryptographischer Hashes und kryptographischer Hashes (z.B. kryptographische Hashes).

- d) If you answered in b) above with no:

Which reasons do you see that prevent a combination of both topics?

Quelle: Robert Herring for efficient Forensic Analysis of Image Sets (Hacker Martin Spierbach)