Secure Data Storage

Chair of Media Security

Winter 2020

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Ransomware "traditionally" encrypts data to blackmail the victim. As backup strategies evolve to render this approach as harmless as possible, threat actors have started to not only encrypt the data but also steal sensitive files and threaten their publication. In this project we aim at designing and implementing a centralized data storage which thwarts both attack strategies.

Secure Data Storage

Target Audience (4-5 students):

- *B. Sc.* Medieninformatik
- *M. Sc.* Computer Science and Media
- *M. Sc.* Computer Science for Digital Media

Requirements:

- Autonomous working and problem solving
- Good programming skills in C/C++ and Bash
- Passed Course "Introduction to Modern Cryptography" (or equivalent)

Questions?

- `jannis.bossert(at)uni-weimar.de`
- Or visit us in the corresponding online room ;)

Image: https://media1.popsugar-assets.com/files/thumbor/2_PRmJoIb4jZOYjNxIdWf26atAk/fit-in/2048xorig/filters:format_auto-!!-:strip_icc-!!-/2019/09/17/956/n/1922243/addurlqYiKiS/i/Cat-Cosplaying-as-Link-From-Legend-Zelda.jpg, 27.10.2020, 15:02