
- Bachelor thesis -

Evaluation of a watermarking traitor tracing scheme

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Motivation & Goal

Watermarking is an accepted technology to discourage illegal distribution of multimedia. Using a traitor tracing scheme such as Transaction Watermarking one is able to trace a distributed copy back to the responsible. Collusion attacks aim to manipulate the Transaction Watermark Messages. Therefore several theoretical approaches have been published to counter such attacks, but it is yet unclear how the schemes behave according to different numbers of attackers. The goal of this thesis is to expand the implementation of an existing approach, programmed in C++, and to analyze and optimize its performance in a large-scaled testbed.

Tasks

Details of implementation are to be discussed

- Implementation of an existing traitor tracing scheme for the already implemented watermarking algorithm;
- Evaluation of the scheme for 2,3,...10 attackers and carrying out a significant testbed;

Requirements

- Programming skills in C, C++, (Matlab);

Contact

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