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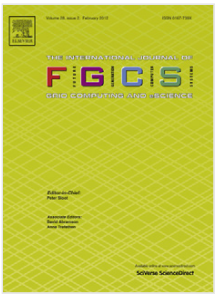

On the security of auditing mechanisms for secure cloud storage

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Highlights

(1) Identify a new kind of attack on secure cloud auditing protocols

(2) Show two identity privacy-preserving auditing mechanisms called Oruta and Knox are insecure against this new attack

(3) Discuss the security of a distributed storage integrity auditing mechanism in our attack

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