

Cascading Privacy Preserving Secure Logs

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Abstract

A privacy preserving secure log is a transparency enhancing technology that enables a data controller to keep a log of events for data subjects; ultimately providing transparency in how the data subject's data is processed by the controller. To initialize the logging the data subject sends a public key and a couple of secrets to the controller.

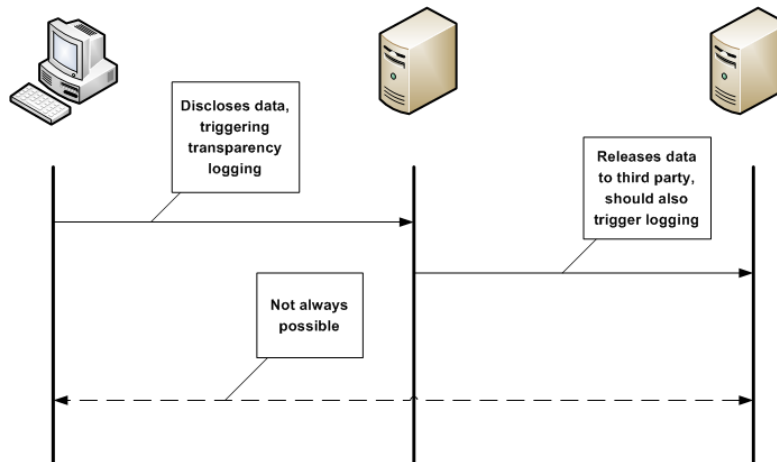


Figure 1: Problem overview.

In many situations where personal data is used it is common that the primary collector of the data shares the data or parts of it with third parties. Our current research looks into how to initialize the transparency logging on third parties in a secure and privacy preserving way without having direct communication between the third parties and the data subject.