

This is the export of a building block from the TMC Threat Library. This project aims to propose mitigations for relevant threats to reusable building blocks of modern tech systems. For more information about the project visit <https://threat-modeling.net/library/>

Tags (on content/images)

Gains

-  Mark people who were at a party - by TMC DACH
-  Create interaction + engagement - by TMC DACH
-  Link to topic, organize content - by TMC DACH
-  Promote content with rich meta associations - by TMC DACH
-  Get feedback or shares - by TMC DACH

System Model

-  Content creator - by TMC DACH
-  Viewer/friend - by TMC DACH
-  Data subject: person the data is about - by TMC DACH
-  Tag creator - by TMC DACH
-  Stalker - by TMC DACH
-  Scraper - by TMC DACH
-  Freak - by TMC DACH
-  Liar - by TMC DACH
-  Tag library - by TMC DACH
-  Original content (text / image / whatever) - by TMC DACH
-  Creation times of post/tag - by TMC DACH
-  optional: prepared/suggested tags - by TMC DACH
-  Tags + links - by TMC DACH
-  Viewer creates tag - by TMC DACH

More info

Threats and Mitigation Ideas

*Confidentiality? Integrity? Availability? / Usability? Privacy? Safety? €\$? ...
→ Protect? Detect? Respond? → Follow-up threats?*

-  Flood and redirect a tag ("#metoo") - by TMC DACH
-  Tag creator tags me and I don't want it - by TMC DACH
 -  Allow to configure if I want tags or not - by TMC DACH

- ☂ Tag grant flow: Have data subject accept that they were tagged - by TMC DACH
- ☂ Tag removal flow: Allow data subject to remove the tag later on - by TMC DACH
- ☂ Configuration: Allow tagging for friends or FOAFs (friends of friends) - by TMC DACH
- ⚡ Tag creator creates a lot of meaningless tags just to get attention - by TMC DACH
 - ☂ Check if tagged persons interact with the post - by TMC DACH
 - ☂ Punish a lot of tags - by TMC DACH
- ⚡ Compromised info that someone was somewhere - by TMC DACH
- ⚡ Creation time leak: Activity when I should have been sleeping or working - by TMC DACH
- ⚡ Profiling (in general) - by TMC DACH
 - ☂ Hide timestamps - by TMC DACH
 - ☂ Configure which tags are visible to whom - by TMC DACH
 - ☂ Detect scraping, then block requests - by TMC DACH
- ⚡ Profiling: See who is associated with whom - by TMC DACH
- ⚡ Profiling: see who likes which topics - by TMC DACH
- ⚡ Profiling: see that you are a night person - by TMC DACH
- ⚡ Profiling: see you spend A LOT of time at the service - by TMC DACH
- ⚡ Stalking: Viewer excessively observes one data subject / tag - by TMC DACH
 - ☂ Detect stalking, then reduce responses - by TMC DACH
 - ☂ Log who access what, observe peaks - by TMC DACH
 - ☂ Detect suspicious correlation clusters - by TMC DACH
 - ☂ Detect deep dive (visiting profile, going into a rabbit hole) - by TMC DACH