

AI-Aided Caches-n-Logs Monitoring-n-Wiping Demon

Description

The **goal (what)** of this project is to deliver a FLOSS-licensed, platform-independent piece of software (computer program), called the *Cache-n-Log Wiper* (not *Cache-n-Log Viper* ;-), that rocks-n-rolls by

1. monitoring the log and cache files in the (log and cache directories of the) file sytem of a computer;
2. invoking an AI-oracle so as to learn the purpose of each monitored file (what it is good or bad for) as well as any sense of it being wiped or even deleted (and its recreation being prohibited through file access rights, which - *en passant* - may enable the detection of any unauthorised file writer); and
3. wiping (emptying the content of) or even deleting these files, if both the AI and you consider it reasonable.

The **purpose (why)** of this project is

1. to empower computer users to take control of their own computer (to defend themselves against any surveillance by remote aliens who could be siphoning off confidential information for evil purposes ;-) and thus to take control of their own digital lives by contributing to their knowledge of what the hell is really going on in the entrails of their own computer (security mindset: reasonable paranoia ;-)
2. to experience the current potential of AI as a learning tool in a practical case study.

The code should be minimal, modular, and self-explaining.

The project report should be concise (maximally informative, minimally long). It must contain this project description as a quotation.

Technologies

Artificial Intelligence APIs, File Systems, Java

Advisor

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