

# A Theory of Software Update Systems

## Abstract

The release frequency of software systems has been increasing drastically over the last years. Mobile applications and browser plug-ins are two examples of software components that are updated frequently. To ensure stability and quality, such high-frequency releases need to be supported with a proper process and appropriate update software. Taking a case-study-research approach, this thesis analyses existing systems to determine current best practices of process and supporting software. The case study research first tackles the problem broadly, by looking at existing systems, and then deeply, using the JDownloader file downloading application and its plug-in system as an example.

## Expected Results

- Literature review
- Review of existing systems
- Classification of update system types
- Best practices summary
- JDownloader update system review
- ...

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