

The Benefits of Continuous Deployment Evaluated using the JDownloader Software

Summary

Continuous deployment is the process of putting small-scale innovation like a single code contribution to a software product into productive use within a short time frame, often within minutes. Continuous deployment promises increasing innovation speed drastically when compared with traditional release cycles of six or more months of work. This thesis analyses the promised and realized benefits of the continuous deployment tool chain of the file downloading software JDownloader.

Work Results

- Literature review
 - Review of existing literature on continuous deployment and its economic benefits
- Thesis question
 - What are the promised benefits and are they real
- Thesis methods
 - Empirical evaluation of relevant data gathered from the JDownloader example
- Thesis execution
 - Determination of suggested framework for expected economic benefits of CD
 - Determination of expected benefits by the operators of the JDownloader software
 - Empirical determination of the actual benefits achieved, ideally before / after
- Thesis results
 - A benefits framework and its application / evaluation to JDownloader

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