

An Approach to Discovering Processes in OSS Projects

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Process discovery has been shown to be a challenging problem offering limited results, however, most work has been conducted in closed source systems. This paper describes a new approach to process discovery that examines the Internet information spaces of open source software development projects. In searching for an automated solution to the process discovery problem, we first have simulated it manually by searching the Web space for evidence of process activities and reconstructing process fragments based on the clues discovered. The goal of this approach is to help reveal its challenges, strengths, weaknesses and findings such that they may be employed to determine the requirements and design of more fully automated process discovery and modeling mechanisms that can be applied to Web-based software development projects.