

GitHub Application for Continuous Engineering

Short Description

Continuous software engineering and DevOps are transforming software engineering process in companies. However, from the software architectural point of view, there are no good tools to support this process. Most of the existing tools are monoliths that are not suited for cooperation between team members and frequent updates to models.

Another issue with the existing tools is that they are far away from code and code development processes. After a while, the gap between the design and implementation becomes inevitable.

In order to solve this issue, the idea is to build a set of tools that support architecture processes and integrate it with source code repositories. In the concrete case, we will be using GitHub API. For this purpose, it will be first necessary to choose several challenges related to continuous software engineering, on the software architecture level, and for them implement appropriate support.