

A solid workflow is necessary when developing software professionally. Manual integration of multiple services has to be often performed when a custom development process is chosen. It must be decided how to connect the tools together so that they are not tightly coupled so that the solution is scalable from the administrative point of view. We present a model development workflow incorporating code review and build automation. Then we propose how to integrate the services in what we believe is the optimal way. The chosen approach is based on the publish-subscribe communication pattern that makes the services decoupled to some extent and also makes it simple to add more services in the future. Having the optimal integration process outlined, we evaluate some of the existing continuous integration servers that could be potentially used for the chosen workflow. After finding no fitting system, we propose and implement a build server that integrates seamlessly with other development tools.