Abstract

Development Progress in agile methods is based on the amount of “working software” completed by team members. Changes to the source code might be introduced that affect the working software. Team members face difficulties in understanding and sharing changes that affect development progress especially in distributed projects. They may not recognise that there is an effect, or may not know who is affected by a change. In addition, changes are not perceived by the current tracking systems and hence if these changes affect development progress, they will not be discovered. This may lead to weak awareness of development progress and extra defects and delays. In this paper, we attempt to support tracking distributed agile projects by identifying and co-ordinating the impact of versioning activities on development progress, thereby ensuring that progress information is more consistent with the current software state. This will provide distributed agile teams with improved transparency of the actual progress.
Managing Versioning Activities to Support Tracking Progress of Distributed Agile Teams

- Peng Xu - Coordination In Large Agile Projects Review of Business Information Systems (RBIS), 2011.
- TargetProcess, URL: http://www.targetprocess.com/, 15 January 2012..
- Zimmermann, T., Changes and Bugs: Mining and Predicting Software Development Activities, Books on Demand Gmbh, 2009.

**Index Terms**

Computer Science  
Software Engineering

**Keywords**

Distributed Agile Development  
Versioning System  
Co-ordination  
Progress Tracking