Master's thesis proposal

Title: Configuration Management in Distributed Development

Description:
Distributed development (DD) is becoming more and more common in today's globalized world. Several companies have started DD projects for many different reasons and the Open Source world has worked that way for many years. DD has many advantages, but also poses a number of new challenges that have to be dealt with. The existence of these additional challenges is well documented in present research and literature.

Traditionally Configuration Management (CM) has a big role on co-located projects in co-ordinating the different phases of a project (requirements engineering, design, coding, test, maintenance, etc) and supplying the manager(s) with various information about what is going on on the project.

It is the general hypothesis of the thesis proposal that CM can be a big help on DD projects too. However, it is not clear which new challenges on DD can be solved or supported by CM tools and techniques – and it is not clear to which degree and how DD will impact the way that CM is traditionally implemented on co-located projects.

It will be the task of this thesis work to investigate these questions working with and interviewing people in several organizations/companies that carry out DD project. During the first two weeks of work the exact scope of this thesis will be decided by the students and their supervisor.

This thesis is for two students of which at least one must have taken the Configuration Management course (EDAN10). The thesis can start on October 1st – or as soon as possible thereafter.

Supervisor: Christian Pendleton (christian.pendleton@softhouse.se), **Softhouse**.

For more information contact the supervisor (Christian Pendleton) or Lars Bendix (bendix@cs.lth.se) or take a look at:
http://fileadmin.cs.lth.se/cs/Personal/Lars_Bendix/Research/SCM4GSD/index.html

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