Meeting Minutes

Dependency analysis for Kactus2

Client meeting
Date: 14.3.2013, 14:00 – 14:45
Number of meeting: client meeting 2/2013
Place: Tampere University of Technology, Korkeakoulunkatu 1, room TH211

Participants: Timo D. Hämäläinen (Client)
Joni-Matti Määttä (Project manager)
Mikko Honkonen (Secretary)
Tommi Korhonen (Project team member)

Meeting

1. Current state of the software demoed to the client.
2. External dependencies seem to dominate the graph heavily in the example C++ project. A filter button is not included for external dependencies in the specification, but the client agrees that this should be implemented.
3. Client asked about defining locations for external files, this has not yet been implemented.
4. Manual dependency creation itself is working, but the dependencies are not yet added to the graph.
5. Discussion about "traffic lights": Would the best implementation be that yellow means the file has changed while red means that the file and its dependencies have changed? Client agrees this is the best solution.
6. Are references (from components) required in the graph? They take a lot of space and they are also quite intensive to figure out. Client agrees that they can be dropped.
7. Discussion about a new filter that shows dependencies to/from one file. This might be implemented during the project or left for further development.
8. FileSets: How to handle folders where all files belong to one FileSet but some files belong to others, too? Client agrees that the best solution would be showing the FileSets in which all the files belong, and then showing that there are also others. This will need some more research when it's implemented.
9. Should changes in graph be compared to last saved state or last run? Client agrees that saved state offers some benefits, so this should be implemented.
10. Idea from client: Some statistics could be added below the dependency graph, such as total number of files, scan progress etc..

11. Team asked the client for a VHDL project to test the VHDL analyser with. HIBI made at TUT might work, this will be checked.
12. Should file types/extensions be component or user specific? Client agrees that for now they will be user specific, as will ignored files. Component level settings might be considered for further development.
13. Client asked for progress estimate, Joni-Matti estimates about a month from completion.

Decisions made

1. Filter button for external dependencies will be added.
2. Traffic light colors: Yellow means file has changed, red that dependencies have also changed.
3. References can be removed from the graph.
4. Graph changes will be compared to last saved state rather than last scan.
5. Settings stored at user level for now.

Actions to follow

1. Work will continue on implementation.
2. Some new features added, which will need to be planned and implemented.
3. Team will try to test VHDL analysis using HIBI.
4. No date set for the next meeting, this will be arranged later.