

Meeting Memo

Dependency analysis for Kactus2

Team meeting

Date: 16.1.2013, 12:35 – 13:55

Number of meeting: team meeting 2/2013

Place: Tampere University of Technology, Korkeakoulunkatu 1, room TB206

Participants: Joni-Matti Määttä (Project manager)
Mikko Honkonen (Project team member)
Tommi Korhonen (Project team member)

Meeting

1. Reviewing the current status of the technical specification. Specification is well on the way and implementation can start with current information.
2. Kactus2 already has an automatic plugin management system, which should be useful with the plugin-based dependency analysis algorithms for different languages.
3. Should confidentiality be observed for files dependant on external files (i.e. if external files changed)? At the moment external file changes aren't observed, so this may need to be considered.
4. During the dependency scan the dependencies can be handled by a simple struct (file name and description), since no special functions are needed at that point.
5. During dependency scan there should be some sort of a progress bar. This should be thought of and added to the existing UI mockups – Joni-Matti will check what is available.
6. How should the scan be performed in the background with the UI updating as the scan progresses? Some sort of buffer with the scan adding data to it and UI checking for new data periodically seems like the best option.
7. Assigned first implementation tasks to team members in Redmine. Starting with the C/C++ analysis algorithm, adding files and a simple graph widget.
8. SHA-1 will be used for file hash calculation. Any whitespace and comments should be skipped when calculating this.
9. Email sent about arranging an assistant meeting.
10. Next team meeting again on next Wednesday at 12:30.

Decisions made

1. Existing plugin management system to be used for the analysis plugins.

2. Progress bar to be added to UI.
3. Hash calculation performed using SHA-1.

Actions to follow

1. Implementation can now start, with first tasks assigned to team members.
2. Joni-Matti will check and try out the options for a progress bar.
3. Need to figure out the communication between scan and UI threads so the UI can update while scan is being performed.
4. Waiting for reply from assistant for the meeting.
5. Team meeting on next Wednesday at 12:30.