Meeting Memo

Dependency analysis for Kactus2

Team meeting
Date: 27.2.2013, 12:30 – 13:15
Number of meeting: team meeting 7/2013
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. Tommi's implemented the info widget functionality for dependencies. However, a problem was encountered: No way to figure out the direction of the arrow in the graph. Instead of showing the arrow directions in a dropbox from which the wanted form can be selected, separate buttons for direction reversing and bidirectional dependency will need to be added.

2. Joni-Matti has already implemented some functionality of the file scanning process. Adding files to the graph now done.

3. Folders display the fileset name if all files in it belong to the same fileset. Should they however be grouped like this if they all belong to one fileset but some also to another one(s)? This will need to be discussed with the client.

4. Joni-Matti has implemented an algorithm for scanning implemented which allows UI to remain responsive while performing the scan. Scan is still performed in the same thread, however. This might be enough for our purposes.

5. For VHDL dependency analysis, it's not enough to just scan files of the vhdlSources type for entities, all files will need to be scanned. However, this should be done before the actual dependency scan and the results cached, to make the scanning process quicker. New functions, beginAnalysis and endAnalysis, will need to be added to the plugin interface to allow this.

6. Should file type settings be user-specific or component based? This needs to be discussed with the client.

7. Implementation will continue, everyone has tasks assigned.

8. Meeting next week on Wednesday at 12:30.

Decisions made

1. No major decisions made.

Actions to follow

1. Implementation will continue with assigned tasks.
2. Dependency info widget to be changed so that it has separate buttons for direction reversing and bidirectionality.
3. VHDL dependency scan will need to cache entities from all files at the beginning of the analysis process. This will require changes in the plugin interface.
4. Meeting next week on Wednesday at 12:30.