Service Oriented Architectures and Product Lines - What is the Connection?

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Software Engineering Institute | Carnegie Mellon

Agenda

09:00-09:30	Introductions and Goals
09:30-10:30	Topic Presentations and Discussion
10:30-11:00	Break
11:00-11:30	Topic Presentation and Discussion
11:30-12:30	General Discussion: working groups or new topics
12:30-13:30	Lunch
13:30-15:00	General Discussion Continued
15:00-15:30	Break
15:30-16:00	General Discussion Continued
16:00-16:30	Working Group Report(s)
16:30-17:00	Conclusion: Goals Addressed, Topics for Limerick, Future Work

Accepted Papers

Product Lines that supply other Product Lines: A Service-oriented Approach

Salvador Trujillo, IKERLAN Research Centre, Mondragon, Spain
Christian Kästner, University of Magdeburg, Magdeburg, Germany
Sven Apel, University of Passau, Passau, Germany

A Taxonomy of Variability in Web Service Flows

Sergio Segura, David Benavides and Antonio Ruiz-Cortés, University of Seville, Seville, Spain

Identifying and Specifying Reusable Services of Service Centric Systems through Product Line Technology

Jaejoon Lee, Dirk Muthig, and Matthias Naab, Fraunhofer Institute for Experimental Software Engineering (IESE), Kaiserslautern, Germany
Minseong Kim and Sooyong Park, Sogang University, Seoul, R.O.Korea

Accepted Papers Continued

Comparison of Service and Software Product Family Modeling

Mikko Raatikainen, Varvana Myllärniemi, and Tomi Männistö, Helsinki University of Technology, Finland

Software Product Lines and Service-oriented Architecture: A Systematic Comparison of Two Concepts

Andreas Helferich, Georg Herzwurm, and Stefan Jesse, Universität Stuttgart, Stuttgart, Germany

A Framework for Software Product Line Practice, Version 5.0, FAQ

http://www.sei.cmu.edu/productlines/frame_report/FAQ.htm#other_approaches

Paper Topics

Topic 1. Methods for SOA and Product Line Development

Topic 2. Managing Service Features and Variability

Topic 3. Example Applications

Topic 1. Methods for SOA and Product Line Development

Presentation: Comparison of Service and Software Product Family Modeling

Authors: Mikko Raatikainen, Varvana Myllärniemi, Tomi Männistö
Helsinki University of Technology, Software Business and Engineering Institute (SoberIT)

Questions: Could criteria from the Service Migration and Reuse Technique (SMART) serve as an approach for the migration of legacy components for product lines? What specific criteria would apply here? Are there detailed examples or a comparison of models, e.g. feature models vs. SDL/BPEL/BPMN?

Topic 2. Managing Service Features and Variability

Presentation: A Taxonomy of Variability in Web Service Flows

Authors: Sergio Segura, David Benavides and Antonio Ruiz-Cortés, Department of Computer Languages and Systems University of Seville

Questions: Where an application in a SOA-based product line is built using services from external core asset sources, how would product development manage variability and selection of variation of features within those assets? Could entire services be substituted? Variations within a service? Any implementation of the taxonomy?

Topic 3. Example Applications

Presentation: Identifying and Specifying Reusable Services of Service Centric Systems through Product Line Technology

Authors: Jaejoon Lee, Dirk Muthig, and Matthias Naab, Fraunhofer Institute for Experimental Software Engineering (IESE). Minseong Kim, Sooyong Park Sogang University, Seoul, R.O.Korea

Questions: How would identified services be used in applications? Might we see hybrid service/component oriented applications? What evidence is there of an actual "right" scale of granularity? Do case study artifacts beyond the limited figures in the paper actually exist?

Conclusion

Goals Addressed

- Where the goals of the workshop addresses?

Future Work

- What future SOAPL work will the participants being working on?

SPLC 2008

- Should we continue this topic at SPLC 2008? If so, what should we focus on?

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