Abstract

Architecture centric development approach is reliable and cost effective in software development process in the software product lines. Traditionally used approaches in software development are very costly and unreliable in term of quality attribute and time to market products. If we are working in the same domain then architecture centric software development
is very beneficial. In this technique we will reuse already developed applications components for developing new software instead of developing these software from scratch that are very time consuming and unreliable. To minimize the development time we will reuse components from each phase of development to minimize of development time and provide better quality. Already developed, verified and compatible components will be reused for development of new software. In this paper we will study the architecture centric software development and evaluation which focus on quality attributes of software and provide much more quality than traditional approaches used.

Reference

- Lothar Baum “Architecture-Centric Software Development Based On Extended Design Spaces” University of Kaiserslautern
- Cristena Gacek “Successful Product Lines Development in Small Organizations”
Architecture Centric Development in Software Product Lines

Index Terms

Computer Science

Software Engineering

Key words

SDLC (Software Development Life Cycle)

ATAM (Architecture Tradeoff Analysis Method)

COTS (Commercial off-the-shelf Software)

SRS (Software Requirement Specification)