

TERM PAPER ABSTRACT

Software Architecture Analysis Methods

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SAAM: A Method for Analyzing the Properties of Software Architectures

Though Software Architecture has become very important topic in recent years, very less attention has been paid to the method to be used to evaluate these architectures, in order to show that it satisfies certain properties. SAMM can be used to compare two or more designs to check out that which one satisfies the quality requirements better. Basically evaluation process proves to be very difficult because no common language is used for the description of the different architectures. Also there is no clear method to understand an architecture with respect to an organization's life cycle concerns i.e., software quality concerns such as maintainability, portability, modularity, reusability, and so on. The aim of Software Architecture Analysis method (SAMM) is to provide a method to determine that which architecture supports the needs of an organization. In this paper i will be providing a five step Software Architecture and Analysis Method (SAMM) and then i will be using it to evaluate user interfaces Architectures with respect to modifiability. The method i will be using is based upon a common representation for different architectures and analysis of an organization's life cycle requirement.