Software Architecture Reconstruction

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Abstract

Time and again we find that changes made to the software system during implementation and maintenance cause the architecture of the system to deviate from the actual documentation. In such situations there is a need for architecture reconstruction.

Software architecture reconstruction is a process of deriving the architecture of the system which is consistent with its implementation.

This paper describes three Software architecture reconstruction methodologies

1. “Symphony: View-Driven Software Architecture Reconstruction”,
2. “CacOphoNy: Metamodel-Driven Software Architecture Reconstruction”,
3. “Quality Attribute Driven Software Architecture Reconstruction (QADSAR)”

and provides a comparison between them.

References

