Reusability Types and Reuse Metrics: A Survey

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Abstract

This paper focuses on the reusability of software with types of reuse and metrics of reusability. From the word itself “Software Reuse”, it is easily understandable that we are reusing the artifacts of software more than once. Software artifacts are some components of the software system that are used in software development life cycle. Implicit artifacts are – design, code, test plans, documentation and some explicit artifacts – component selections, measurement and maintenance costs. All of these artifacts are reused in different systems but for reusing any artifacts, we require knowledge of each and every domain.

References


4. Yong-liu, Aiguang-yang, “Research and Application of Software-reuse”, College of Information Science and Technology, Qingdao University of Science and Technology, Qingdao, Shandong, China.


7. James M. Bieman, “Deriving Measures of software reuse in Object Oriented System”, Department of Computer Science Colorado State University.


10. Suchita Yadav, Dr. Pradeep Tomar, Sachin Kumar, “Metrics Suite for Accessing the Reusability of Component-Based Software”, School of ICT Gautam Buddha University, Greater Noida, India.


**Index Terms**

Computer Science

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**Keywords**

Reuse, Metrics