Abstract

Survey of reusability based on software components that provide the assistance to the developer in the development of software. Reusability of software is an important prerequisite for cost and time-optimized software development. Work in software reuse focuses on reusing artifacts. The paper discusses the reusability concepts for Component based Systems and explores several existing metrics for both white-box and black box components to measure reusability directly or indirectly and presents the special requirements on software in this domain and Reusability is about building a library of frequently used components, thus allowing new programs to be assembled quickly from existing components. Component-Based Systems (CBS) have now become more generalized approach for application development.
Reference

- Pirklbauer K., Plösch R., Weinrich R.: Object-Oriented and Conventional Process
- Pree W.: Design Patterns for Object-Oriented Software Development, Addison-Wesely, 1995

Index Terms

Computer Science

Communications

Key words

Tools of reusability

Components of reuse

Reusability matrices