Abstract

The advancement in the technology has made the user more dependent on information technology, for these information technologies the software serve as the platform. However the rapid growth shown by IT industry also faces challenges of fast growing demand of heavy and complex software systems. In order to fulfill the needs of the end user or to overcome this challenge, software community is moving towards the component based software engineering (CBSE). One of the imperative motivation behind adopting CBSE as software development paradigm is the quick installation of sophisticated and trustworthy software systems with enormous savings, lesser engineering effort, cost, and time. CBSE provides the mechanical facilities that facilitate the easy assemblage and advancement of the software systems out of autonomously developed pieces of the software. The aim of this paper is to present a precise study of the available CBSE lifecycle, and it also proposes a novel CBSE model.

References

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Index Terms

Computer Science
Software Engineering
Keywords
Component Based Development (CBD)  Software Development Life Cycle  Elite Plus Model
COTS
Dependency among components