Abstract

Today's software larger in size, design complex and time consuming to implement them, for this we need a prominent solution to overcome these problems. Component-based software development (CBSD) has emerged as an Object Oriented (OO) Software Engineering approach that forced rapid software development. Using CBSE approach we can eliminate these problems largely. To build the application using CBSE approach we can develop the software with lowest price, reduced in size and we can reduce the time also. The component-based application may be implemented in house or by different vendors, integrate them in a different environment is still challenging. Because the unit level testing of each component, which can be good but when we integrate them with different framework is a considerable problem. The nature of the component is Heterogeneous, so the integration is a bit complicated. Through this paper we are highlighting features and drawback of each methods of various Integration testing. And we are also giving a potential method which would be suitable for Integration testing.
Survey of Integrating Testing For Component-based System

References

- Object Management Group; Object Management Architecture Guide, OMG Document Number 92. 11. 1, Revision 2. 0, 1992

Index Terms

Computer Science
Software Engineering
Keywords
Component-based system  Component integration testing  interface testing