

A Branching Mechanism for Software Change Management and Version Control

Ramadan Moawad

Abstract

A software branch is a configuration of a system that is derived from, and developed independently of, the base configuration. Among the branching models used in software configuration management, the branch-by-purpose model offers better support for parallel development efforts and improved control of both planned and emergency software releases. A branching by-purpose model is implemented as a software tool to help in applying parallel development, management and implementation of software changes and creating software versions.

*17th International Conference on Computer Theory & Applications
AlexandriaEgypt 2007 - 2007, January 2007, January*