Managing Software Reuse

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Abstract

Software Reuse is the discipline responsible for creating new software systems from existing software. This concept goes beyond simple reuse of source code, as other products, such as specifications, projects and test plans may also de reused. The main motivation for software reuse is the inscrease in productivity and quality levels in the software development process. The search for improvements in software quality and the rise of productivity have been widely explored by the software engineering community, in Brazil and abroad. Many organizations have seen in the last years cases of success when using a strategy for reuse in their software development process. The potencial for software reuse may be reached from a well-established Reuse Program, which aims to introduce reuse in a company as a means to make it more competitive, by making its production more agile and allowing the development of quality software products. This short course aims to present Reuse Management, including economic, organizational and personal aspects which may lead a company to reuse sofware in an effective form. We also present existing norms and the reference model MPS.BR which address this subject.