

SOFTWARE ENGINEERING: INTEGRATION

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ABSTRACT. This paper presents a discussion of software component integration, with an emphasis on post-factum integration of software systems. The problem is defined; the approaches and associated issues are discussed. Integration of redundant software components, developed using diverse software engineering methodologies, into a fault tolerant system is described. Finally, a novel approach to fault tolerant software integration, based on the critical properties of software systems and the way in which these properties can be maintained by the integrated system despite a component failure, is presented for further research. **Keyword:** Software Component Integration, Software Reuse, Software Architecture.