

# Beyond RUP

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Object technology is a growing approach for the development of quality software. It provides a sophisticated environment to support good software engineering practice. Use of object technology should not be restricted to languages but should encompass full lifecycle support by use of an object-oriented (OO) development methodology or process. Integrated process-focused OO approaches to software development, whilst vital to successful project management, have not been a strong feature of extant approaches popularly practiced. RUP and OPEN have been developed independently primarily to address these issues.

In this presentation, the case for process is put first. Three different processes, at different granularities and foci, are identified and explained. Third generation OO processes are then considered, the two prime examples being RUP (Rational Unified Process) and OPEN (Object-oriented Process, Environment and Notation). These are compared and evaluated in terms of their tailorability, their terminology, and their underpinning lifecycle models. By generalization of the RUP process, it is then shown that it is commensurate with a higher level framework or metamodel. This higher level framework (identical with OPEN's framework) is then used to create several instances, not just the RUP instance, but other instances of an OO process that do not have the same assumptions and constraints as are embodied in RUP. The result is thus a flexible and tailorable framework (OPEN) which is "beyond RUP". This new framework is then elaborated in terms of the technical, sociological and methodological support offered including how a standard notation like UML can be used successfully.