An Introduction to the Rational Unified Process

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ABSTRACT

The Rational Unified Process is a Software Engineering Process. It provides a disciplined approach to assigning tasks and responsibilities within a development organization. Its goal is to ensure the production of high-quality software that meets the needs of its end-users, within a predictable schedule and budget. The Rational Unified Process captures many of the best practices in modern software development in a form that is suitable for a wide range of projects and organizations. It uses the Unified Modeling Language (UML) as the principal notation for the several models that are built and refined during the development.

The objectives of this tutorial are to introduce the Rational Unified Process, to explain its architecture and representation, and to show some of its benefits. Those attending will learn how to structure a software engineering process using an object-oriented approach. They will see how the process makes an extensive use of object-oriented models, all based on the UML, throughout the lifecycle. They will be shown the merits of an iterative approach, focusing first on the development and validation of a robust architecture. Finally, they will be taken for a guided tour through this interactive, web-enabled knowledge base.