



Rational Unified Process Series

3 DAYS

Objectives

By taking this course, you will learn the definition of Rational Unified Process (RUP) and explain the underlying principles of RUP. This course will identify and compare the iterative and waterfall development approaches and the 4 development phases in RUP

How Should Attend

Business Analysts, Systems Analysts, Project Managers, developer and Architects in a Software development environment.

Topics

- Definition of RUP
- What are the underlying principles of the RUP approach
- The RUP and iterative development
- Dynamic structure of the RUP
- Static structure of the RUP
- Customizable process product
- Guidelines for success with the RUP
- Attacking major risks
- Delivering value to the customer
- Staying focused
- Accommodating change
- Baseline an executable architecture
- Building your system with components
- Working together as one team
- Making quality a way of life

INCEPTION AND ELABORATION PHASES

- Understanding the phases
- Objectives of the Inception phase
- Understanding what to build
- Identifying key system functionality
- Determining possible solutions
- Understanding costs, schedule, and risks
- Choosing a process and tools
- Objectives of the Elaboration phase
- Understanding the requirements
- Designing the architecture
- Implementing the architecture

- Mitigating risks
- Establishing the development environment

CONSTRUCTION AND TRANSITION PHASES

- Objectives of the Construction phase
- Minimizing development costs
- Developing a complete product
- Deploying the product
- Objectives of the Transition phase
- Beta testing
- Achieving user self-reliability
- Preparing the deployment site
- Preparing for launch
- Achieving stakeholder approval
- Improving future project performance

ADOPTING THE RUP

- Configuring the RUP
- Instantiating the RUP in a project
- Customizing the RUP
- Creating structural RUP plug-ins
- Assessing and planning for the RUP
- Adopting the RUP in a project
- Adopting the RUP in a small project
- Adopting the RUP in a large organization
- Studying RUP implementation cases

PLANNING AN ITERATIVE PROJECT

- Motivation and key concepts
- Project plans and iteration plans
- Building a project plan
- Determining the number of iterations
- Iteration planning
- Estimating
- Optimizing the project plan
- Avoiding mistakes when adopting the RUP
- Avoiding RUP-related pitfalls
- Avoiding mistakes when managing iterative development
- Avoiding iterative development-related pitfalls
- Avoiding mistakes in specialized work roles
- Avoiding work role-related pitfalls