



Pattern Implementation Workshop

Level: Intermediate

Prerequisites: Introduction to Patterns-Based Engineering, Experience with IBM(R) Rational(R) Software Architect, UML, Java(TM) and XML.

Audience: Software Architects, Developers

Approach: Lecture, Discussions, Workshop

Length: 3 Days

Workshop Description

Building on the foundation from the Introduction to Patterns-Based Engineering workshop, we now focus on automating patterns, that is, creating Pattern Implementations. In this workshop, we take a deep-dive, hands-on look at when and how Pattern Implementations should be created. This includes coverage of:

1. Determining which patterns should be automated
2. Evaluating reference solutions (exemplars)
3. Evaluating technologies available for creating pattern implementations
4. Designing Pattern Implementations
5. Developing Model-to-Text Pattern Implementations
6. Developing Model-to-Model Pattern Implementations
7. Reusability and Consumability of Pattern Implementations

At the conclusion of this workshop, participants understand the details of designing, creating and packaging pattern implementations. In addition, they have hands-on experience with successfully creating Pattern Implementations using the capabilities of Rational Software Architect.

Related Workshops

For students interested in continued learning in this field, we suggest taking:

- Introduction to Domain Specific Languages
- Creating Domain Specific Languages

About The Emphasys Group

The Emphasys Group brings a unique and exceptional blend of experience and expertise focused on infusing reuse, automation and agile best practices into software delivery organizations.

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