Domain-Specific Modeling with IBM Rational Software Architect, V7.5

Längd: 1 Days       Kurskod: RD420G

Sammanfattning:

PLEASE NOTE: This course is also available as a Self-Paced Virtual Class: Domain-Specific Modeling with IBM Rational Software Architect V7.5 (RDV20).

This course provides an introduction to domain-specific modeling in IBM Rational Software Architect. The course describes the characteristics of domain-specific languages (DSLs) and the advantages of domain-specific modeling (DSM). Using a simple case study, the course also describes and demonstrates how to design and implement DSLs in UML with UML profiles, and how to generate executable code from a domain-specific model.

Målgrupp:

This intermediate course is for: Solution architects Designers Developers

Målsättning:

- Describe the uses for domain-specific modeling
- Describe the characteristics of an effective domain-specific language (DSL)
- Describe a process for designing a DSL using UML profiles
- Design a DSL meta-model
- Create a UML profile based on a DSL meta-model
- Generate a graphical palette for the custom UML profile
- Add constraints to a domain-specific model
- Model an example application using the DSL
- Generate executable code from a domain-specific model

Förkunskaper:

You should have completed:

- Essentials of Modeling with IBM Rational Software Architect (RD565)

Innehåll:

- Domain-specific languages and domain-specific modeling characteristics
- Choosing an implementation method
- Designing a domain-specific language
- Creating a UML profile Using the profile tooling to generate custom palette elements
- Creating UML profile tooling Transforming a domain-specific model into executable code

Övrig information:

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