



Introduction to Domain Specific Languages

Level: Intermediate

Prerequisites: Experience with modeling and designing software solutions.

Audience: Software Architects, Developers

Approach: Lecture, Discussions, Workshop

Length: 1 Days

Course Description

The business problems that software systems are addressing today are more complex than ever. As a result it is critical to infuse the skills and knowledge of domain experts into the development process. Domain Specific Languages (DSLs) provide a proven approach to infusing this expertise into your development efforts.

Productivity and quality are enhanced by defining abstractions that are easily understood. Such abstractions also support traceability and automated transformation directly into technology artifacts. As a result, business and subject matter experts become first class members of the development team.

This workshop provides a foundation for understanding how DSL solutions can be defined and implemented so as to hide business and technical complexity.

In this workshop, we take an end-to-end look at the DSL creation effort, working through:

- Identifying opportunities for creating and using DSLs
- DSL design considerations for optimal effectiveness
- Evaluating technologies available for implementing DSLs
- DSL implementation, testing and deployment concerns

At the conclusion of this workshop, participants understand the required effort, benefits, challenges and considerations related to the creation, deployment and use of DSLs within an enterprise.

Related Courses

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

- Creating Domain Specific Languages
- Introduction to Patterns-Based Engineering
- Pattern Implementation Workshop

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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