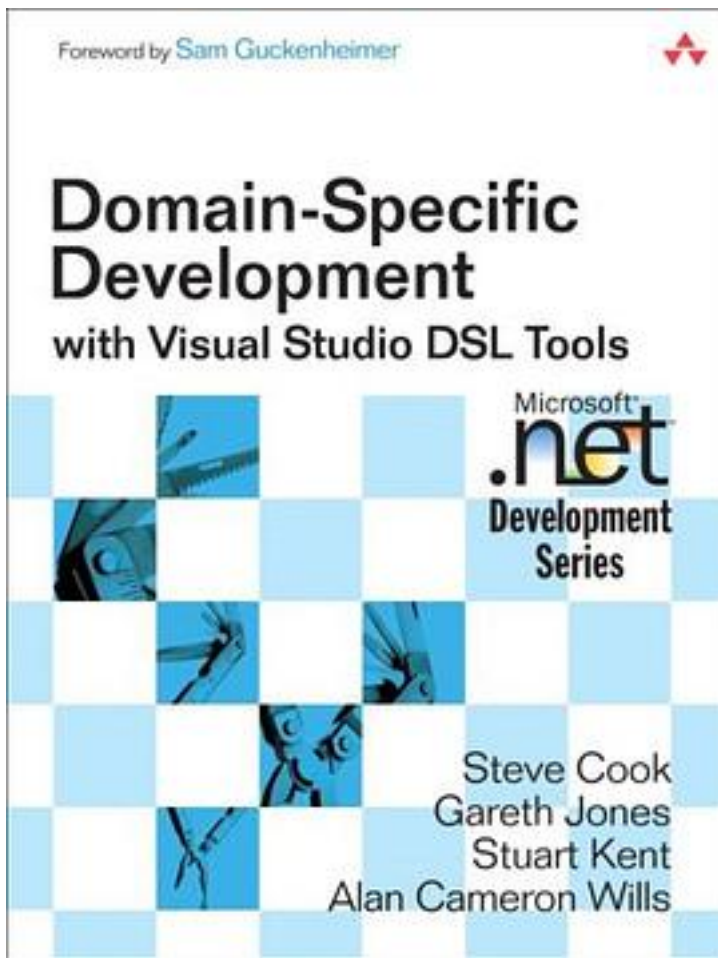# Domain-Specific Development with Visual Studio DSL Tools

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Domain-Specific Languages (DSLs)--languages geared to specific vertical or horizontal

areas of interest--are generating growing excitement from software engineers and architects. DSLs bring new agility to the creation and evolution of software, allowing selected design aspects to be expressed in terms much closer to the system requirements than standard program code, significantly reducing development costs in large-scale projects and product lines. In this breakthrough book, four leading experts reveal exactly how DSLs work, and how you can make the most of them in your environment. With Domain-Specific Development with Visual Studio DSL Tools, you'll begin by mastering DSL concepts and techniques that apply to all platforms. Next, you'll discover how to create and use DSLs with the powerful new Microsoft DSL Tools--a toolset designed by this book's authors. Learn how the DSL Tools integrate into Visual Studio--and how to define DSLs and generate Visual Designers using Visual Studio's built-in modeling technology. In-depth coverage includes * Determining whether DSLs will work for you * Comparing DSLs with other approaches to model-driven development * Defining, tuning, and evolving DSLs: models, presentation, creation, updates, serialization, constraints, validation, and more * Creating Visual Designers for new DSLs with little or no coding * Multiplying productivity by generating application code from your models with easy-to-use text templates * Automatically generating configuration files, resources, and other artifacts * Deploying Visual Designers across the organization, quickly and easily * Customizing Visual Designers for specialized process needs List of Figures List of Tables Foreword Preface About the Authors Chapter 1 Domain-Specific Development Chapter 2 Creating and Using DSLs Chapter 3 Domain Model Definition Chapter 4 Presentation Chapter 5 Creation, Deletion, and Update Behavior Chapter 6 Serialization Chapter 7 Constraints and Validation Chapter 8 Generating Artifacts Chapter 9 Deploying a DSL Chapter 10 Advanced DSL Customization Chapter 11 Designing a DSL Index

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评论

书评

这本书可以算是经典著作了。大概10年前出版的。现在来看，基本没有过时，就连书上对相关软件的界面介绍，也与现在最新版的vs2017基本上接近于完全吻合了，这在IT行业也算是奇迹。这一方面说明DSL技术是经久耐用，另一方面也说明了微软的这个DSL具体实现，这几年没有进步，甚至...

对翻译版不是很满意，不过也难怪，因为原版英文书感觉写得也比较晦涩，比较学院派。翻译方面可以改善的是：不要把一些技术英文词汇直接翻译成中文，即使要翻译了最好也要把英文词汇注在旁边。