1. Record Nr. UNINA9910554828803321

Autore	Geng Hwaiyu
Titolo	Data center handbook : plan, design, build, and operations of a smart data center / / Hwaiyu Geng, P.E
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Inc., , [2021] ©2021
ISBN	1-119-59755-2 1-119-59754-4 1-119-59753-6
Edizione	[Second edition.]
Descrizione fisica	1 online resource (755 pages)
Disciplina	004.0684
Soggetti	Electronic data processing departments - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.

2.

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Autore	Fornaess, John Erik
Titolo	Recent developments in several complex variables:[proc. of a conf. on Several complex variables, held at Princeton Univ., April 16-20, 1979] / ed. Erik John Fornaess
Pubbl/distr/stampa	Tokio : Tokio Univ. Press ; Princeton, N. J. : Princeton Univ. Press, 1981
ISBN	0691082855
Descrizione fisica	xi, 452 p. ; 24 cm.
Collana	Annals of mathematics studies ; 100
Classificazione	AMS 32-06 AMS 32-XX QA331.R38
Disciplina	515.94
Soggetti	Several complex variables - Congresses
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Conference/Meeting Princeton Univ. 1979

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Autore	Arboleda Hugo
Titolo	Model-driven and software product line engineering / / Hugo Arboleda, Jean-Claude Royer
Pubbl/distr/stampa	London, : ISTE Hoboken, N.J., : John Wiley & Sons, c2012
ISBN	9781118561379 1118561376 9781118569733 1118569733 9781299314894 1299314899 9781118569795 1118569792
Edizione	[1st ed.]
Descrizione fisica	1 online resource (290 p.)
Collana	ISTE
Altri autori (Persone)	RoyerJean-Claude
Disciplina	005.1
Soggetti	Software product line engineering Model-driven software architecture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Title Page; Copyright Page; Table of Contents; Chapter 1. Introduction; 1.1. Software product line engineering; 1.2. Model-driven engineering; 1.3. Merging model-driven and software product line engineering; 1.4. The FieSta framework; 1.5. Book structure; Chapter 2. Software Product Line Engineering Basics; 2.1. Introduction to product line engineering; 2.2. Brief history; 2.3. Application example: Smart-Home systems; 2.3.1. Smart-Home system's domain; 2.3.2. Requirements of the application example; 2.4. Software product line engineering; 2.5. Domain engineering 2.5.1. Component-based software engineering2.6. Variability management; 2.6.1. Feature modeling; 2.7. Application engineering; 2.7.1. Product configuration; 2.7.2. Product derivation; 2.8. Benefits and drawbacks; 2.9. Issues in product line; 2.9.1. Variability management; 2.9.2. Product derivation; 2.9.3. Testing; 2.9.4.

Traceability; 2.9.5. Product line evolution; 2.9.6. Tool support; 2.10. Summary; Chapter 3. Model-Driven Engineering; 3.1. Introduction; 3.2. Models and metamodels; 3.2.1. The 4-level metamodeling framework; 3.2.2. The nature of models; 3.3. UML class diagrams and OCL
3.4. Model transformations3.4.1. Scheduling of transformation rules; 3.4.2. Model transformation patterns; 3.4.3. Classification of model transformations; 3.4.4. Vertical model transformations; 3.4.5. Horizontal model transformations; 3.4.6. Model composition or model weaving; 3.5. Modeling framework; 3.5.1. The eclipse modeling framework; 3.5.2. The topcased toolkit; 3.6. Model transformation languages; 3.6.1. QVT; 3.6.2. ATL; 3.6.3. The open Architecture Ware framework; 3.6.4. The Xtend language; 3.7. Benefits and challenges for SPLE; 3.8. Summary
Chapter 4. Model-Driven and Software Product Line Engineering4.1. Introduction; 4.2. Problem space issues; 4.2.1. Separating points of views; 4.2.2. Capturing variability and configuring products; 4.2.3. Relating several points of view; 4.2.4. Configuring products in a multi-staged process; 4.3. Solution space issues; 4.4. Developing core assets; 4.4.1. Developing decision models and deriving products; 4.5. Variability expression and product configuration; 4.5.1. Metamodels; 4.5.2. Feature models; 4.6. Core asset development and product derivation
4.6.1. Transformation rules in the Smart-Home systems SPL4.6.2. Creating and using decision models; 4.7. Summary; Chapter 5. The FieSta Framework: Fine-Grained Derivation and Configuration; 5.1. Introduction; 5.1.1. Coarse-grained and fine-grained variations; 5.2. Binding models and constraint models; 5.2.1. Binding models; 5.2.2. Constraint models; 5.2.3. The cardinality property; 5.2.4. The structural dependency property; 5.2.5. The constraint metamodel and the binding metamodel; 5.2.6. Validating binding models against constraint models 5.3. Deriving products based on constraint models and binding models

Sommario/riassunto

Many approaches to creating Software Product Lines have emerged that are based on Model-Driven Engineering. This book introduces both Software Product Lines and Model-Driven Engineering, which have separate success stories in industry, and focuses on the practical combination of them. It describes the challenges and benefits of merging these two software development trends and provides the reader with a novel approach and practical mechanisms to improve software development productivity.The book is aimed at engineers and students who wish to understand and apply software product lines