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| Titolo | Nueva historia del Ecuador / Enrique Ayala Mora, editor |
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| Soggetti | Ecuador -- Storia |
| Collocazione | VI.7.C. |
| Lingua di pubblicazione | Spagnolo |
| Formato | Materiale a stampa |
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| 2. Record Nr. | UNINA9910298968703321 |
| Autore | Kossak Felix |
| Titolo | A Rigorous Semantics for BPMN 2.0 Process Diagrams // by Felix Kossak, Christa Illibauer, Verena Geist, Jan Kubovy, Christine Natschläger, Thomas Ziebermayr, Theodorich Kopetzky, Bernhard Freudenthaler, Klaus-Dieter Schewe |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014 |
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| Descrizione fisica | 1 online resource (240 p.) |
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| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
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| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | 1 Introduction -- 2 State of the Art -- 3 Modelling Semantics with Abstract State Machines -- 4 A Rigorous Semantics for BPMN 2.0 Process Diagrams -- 5 How the Semantic Model Can Be Used -- 6 A Discussion of BPMN 2.0 -- 7 Towards a Workflow Engine by Stepwise Refinement -- 8 Discussion of the Proposed Specification and Outlook. |
| Sommario/riassunto | <p>This book provides the most complete formal specification of the semantics of the Business Process Model and Notation (BPMN) 2.0 standard available to date, in a style that is easily understandable for a wide range of readers – not only for experts in formal methods, but e.g. also for developers of modeling tools, software architects, or graduate students specializing in business process management. BPMN – issued by the Object Management Group – is a widely used standard for business process modeling. However, major drawbacks of BPMN include its limited support for organizational modeling, its only implicit expression of modalities, and its lack of integrated user interaction and data modeling. Further, in many cases the syntactical and, in particular, semantic definitions of BPMN are inaccurate, incomplete or inconsistent. The book addresses concrete issues concerning the execution semantics of business processes and provides a formal definition of BPMN process diagrams, which can serve as a sound basis for further extensions, i.e., in the form of horizontal refinements of the core language. To this end, the Abstract State Machine (ASM) method is used to formalize the semantics of BPMN. ASMs have demonstrated their value in various domains, e.g. specifying the semantics of programming or modeling languages, verifying the specification of the Java Virtual Machine, or formalizing the ITIL change management process. This kind of improvement promotes more consistency in the interpretation of comprehensive models, as well as real exchangeability of models between different tools. In the outlook at the end of the book, the authors conclude with proposing extensions that address actor modeling (including an intuitive way to denote permissions and obligations), integration of user-centric views, a refined communication concept, and data integration.</p> |