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3.7 Summary
3.8 Bibliographic Notes; 4. Analysis and Composition of Partially-Compatible Web Services; 4.1 Problem Definition and Motivating Scenario; 4.1.1 A Motivating Scenario; 4.2 Petri Net Formalism for BPEL Service, Mediation, and Compatibility; 4.2.1 CPN Formalism for BPEL Process; 4.2.2 CPN Formalism for Service Composition; 4.2.3 Mediator and Mediation-Aided Service Composition; 4.3 Compatibility Analysis via Petri Net Models; 4.3.1 Transforming Abstract BPEL Process to SWF-net; 4.3.2 Specifying Data Mapping; 4.3.3 Mediator Existence Checking; 4.3.4 Proof of Theorem 4.1
4.4 Mediator Generation Approach
4.4.1 Types of Mediation; 4.4.2 Guided Mediator Generation; 4.5 Bibliographic Notes; 4.5.1 Web Service Composition; 4.5.2 Business Process Integration; 4.5.3 Web Service Configuration; 4.5.4 Petri Net Model of BPEL Processes; 4.5.5 Component/Web Service Mediation; 5. Web Service Configuration with Multiple Quality-of-Service Attributes; 5.1 Introduction; 5.2 Quality-of-Service Measurements; 5.2.1 QoS Attributes; 5.2.2 Aggregation; 5.2.3 Computation of QoS; 5.3 Assembly Petri Nets and Their Properties; 5.3.1 Assembly and Disassembly Petri Nets
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6.2.3 Composite Service Specifications

Sommario/riassunto

Focuses on how to use web service computing and service-based workflow technologies to develop timely, effective workflows for both business and scientific fields Utilizing web computing and Service-Oriented Architecture (SOA), Business and Scientific Workflows: A Web Service-Oriented Approach focuses on how to design, analyze, and deploy web service-based workflows for both business and scientific applications in many areas of healthcare and biomedicine. It also discusses and presents the recent research and development results. This informative reference features app
