1. Record Nr. UNINA9910787902003321

Autore	Wu Zhaohui
Titolo	Service computing : concepts, methods, and technology / / Zhaohui Wu, Shuiguang Deng, Jian Wu
Pubbl/distr/stampa	Waltham, Massachusetts : , : Morgan Kaufman, , 2015 ©2015
ISBN	0-12-802597-2
Descrizione fisica	1 online resource (357 p.)
Disciplina	658.812
Soggetti	Customer services - Information technology
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 at the end of each chapters and index.
Nota di contenuto	Front Cover; Service Computing; Copyright; Contents; Preface; Chapter 1 - Introduction; 1.1 Overview; 1.2 Technical Framework of Service Computing; 1.3 The State-of-the-Art of Service Computing; 1.4 Organization; References; Chapter 2 - Service-Oriented Architecture and Web Services; 2.1 Web Services; 2.2 Service-Oriented Architecture; 2.3 Service Component Architecture; 2.4 Service Data Objects; 2.5 Open-Source Platforms for SOA; 2.6 Summary; References; Chapter 3 - Web Service Quality of Service and Its Prediction; 3.1 Introduction 3.2 Collaborative Filtering-Based Quality of Service Prediction3.3 Matrix Factorization-Based Quality of Service Prediction; 3.4 Summary; References; Chapter 4 - Service Discovery; 4.1 Introduction; 4.2 Related Work; 4.3 Interface-Level Service Discovery; 4.4 Behavior Level Service Discovery; 4.5 Summary; References; Chapter 5 - Service Selection; 5.1 Introduction; 5.2 QoS-Based Skyline Service Selection; 5.3 MapReduce and Skyline Service Selection; 5.4 Summary; References; Chapter 6 - Service Recommendation; 6.1 Overview of Service Recommendation; 6.2 Bayes-Based Service Recommendation 6.3 Instant Service Recommendation6.4 Summary; References; Chapter 7 - Service Composition; 7.1 Introduction; 7.2 Top-k QoS Composition; 7.3 Parallel Optimization for Service Composition; 7.4 Service Composition Based on Historical Records; 7.5 Summary; References; Chapter 8 - Service Verification and Dynamic Reconfiguration; 8.1

Introduction; 8.2 Service Verification; 8.3 The Dynamic Reconfiguration of a Service-Based Application; 8.4 Summary; References; Chapter 9 - Complex Service Computing; 9.1 Introduction; 9.2 Service Computing with Big Data
9.3 Service Computing with a Complex Mobile Environment9.4 Service Computing with Service Pattern Model; 9.5 Summary; References; Chapter 10 - JTang Middleware Platform; 10.1 Overview of JTang; 10.2 Platform Architecture; 10.3 JTang Development Environment for Service Components; 10.4 JTang Distributed File Storage Service; 10.5 JTang Enterprise Service Bus; 10.6 JTang-Plus; 10.7 Summary; Index

Sommario/riassunto

Service computing is a cross-disciplinary field that covers science and technology, and represents a promising direction for distributed computing and software development methodologies. It aims to bridge the gap between business services and IT services by supporting the whole lifecycle of services innovation. Over the last ten years applications in industry and academic research have produced considerable progress and success Service Computing: Concept, Method and Technology presents the concept of service computing and a proposed reference architecture for service computing research bef