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Autore	Chandrasekaran Swami
Titolo	Application development for IBM WebSphere Process Server 7 and Enterprise Service Bus 7 [[electronic resource]] : build SOA-based flexible, economical, and efficient applications / / Swami Chandrasekaran, Salil Ahuja
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Edizione	[1st edition]
Descrizione fisica	1 online resource (548 p.)
Collana	Professional expertise distilled
Altri autori (Persone)	AhujaSalil
Disciplina	005.1
Soggetti	Application software Internet
Lingua di pubblicazione	Inglese
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Note generali	Includes index.
Nota di contenuto	Cover; Copyright; Credits; About the Authors; About the Reviewers; Table of Contents; Preface; Chapter 1: Introducing IBM BPM and ESB; What is Service Oriented Architecture (SOA)?; Process, Business Services, and Components-the core constructs; Achieving success through BPM enabled by SOA; Business Process Management (BPM); Building blocks of BPM enabled by SOA framework; Business Process Modeling; Business Process Execution (including Choreography); Enterprise Service Bus; Business Policies and Rules; Business Process Monitoring; Information Model; IBM SOA Reference Architecture What is Reference Architecture?Key elements of IBM SOA Reference Architecture; Introducing IBM WebSphere Process Server (WPS); Role of WPS in SOA; Platform architecture; Common BPM adoption scenarios; Introducing IBM WebSphere Enterprise Service Bus (WESB); Role of WESB in SOA; Platform architecture; Common WESB usage scenarios; Interaction patterns; Mediation patterns; Deployment patterns; WESB selection checklist; IBM's SOA Foundation lifecycle; IBM's BPM enabled by SOA method; Summary; Chapter 2: Installing the Development Environment; WebSphere Integration Developer overview

Prerequisite configurationInstalling WID on Windows; IBM Installation Manager; Starting the Installation; Setting up UTE; Verifying the installation; Post installation activities; Uninstalling WID; Getting Started with WID; Starting WID; Business Integration perspective; Working with Modules and Libraries; Solution diagram; Assembly Diagram; Dependency editor; Words of wisdom - tips, tricks, suggestions, and pitfalls; Summary; Chapter 3: Building your Hello Process Project; SOA programming model; Web Services Description Language (WSDL) in a minute; XML Schema Definition (XSD) in a minute
Service Component Architecture (SCA)Defining SCA; Service Component Definition Language; Service Data Objects (SDO); Business Process Execution Language (WS-BPEL); WID and WS-BPEL; Building your first business process; Creating the Integration Solution; Creating library project; Creating and visualizing Business Objects; Creating and visualizing interfaces; Creating the Hello Process BPEL; Creating a new module called HelloProcess; Creating a business process component HelloProcess; Implementing the HelloProcess process; Testing modules and components; Deploying the modules
Executing the modulesLogging and troubleshooting; Words of wisdom - tips, tricks, suggestions, and pitfalls; Summary; Chapter 4: Building Your Hello Mediation Project; WS standards; What are mediation flows?; Mediation primitives; Service Message Objects (SMO); Creating mediation modules; Creating the Hello Mediation Flow; Implementing the HelloMediationModule; Testing modules and components; Deploying the modules; Executing the modules; Summary; Chapter 5: Business Process Choreography Fundamentals; Using WPS in the right scenarios; Creating service contracts with interface editor
Development approach with WID

Sommario/riassunto

Build SOA-based flexible, economical, and efficient applications for IBM WebSphere Process Server 7 and Enterprise Service Bus 7 with this book and eBook