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Enterprise Integration Patterns provides an invaluable catalog of sixty-five patterns, with real-world solutions that demonstrate the formidable of messaging and help you to design effective messaging solutions for your enterprise. The authors also include examples covering a variety of different integration technologies, such as

JMS, MSMQ, TIBCO

ActiveEnterprise, Microsoft BizTalk, SOAP, and XSL. A case study describing a bond trading system illustrates the patterns in practice, and the book offers a look at emerging standards, as well as insights into what the future of enterprise integration might hold. This book provides a consistent vocabulary and visual notation framework to describe large-scale integration solutions across many technologies. It also explores in detail the advantages and limitations of asynchronous messaging architectures. The authors present practical advice on designing code that connects an

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application to a messaging system, and provide extensive information to help you determine when to send a message, how to route it to the proper destination, and how to monitor the health of a messaging system. If you want to know how to manage, monitor, and maintain a messaging system once it is in use, get this book.

The Best Fully Integrated Study System Available With hundreds of practice questions and hands-on exercises, Sun Certified Enterprise Architect for Java EE Study Guide covers what you need to know--and shows you how to prepare--for this challenging exam. 100% complete coverage of all official objectives for

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exam 310-051 Inside the Exam
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*sections in every chapter highlight key exam topics covered Simulated exam questions match the format, tone, topics, and difficulty of the real exam Covers all the exam topics, including: Basic Principles of Enterprise Architectures * Object-Oriented Design Using UML * Applicability of JEE Technology * Design Patterns * Legacy Connectivity * EJB and Container Models * Messaging * Internationalization and Localization * Security CD-ROM includes: Complete MasterExam practice testing engine, featuring: One full practice exam: Detailed answers with explanations: Score*

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go With free online registration:
Bonus downloadable MasterExam
practice test.*

*Definitive, Comprehensive SCEA
Exam Prep—Straight from Sun’s
Exam Developers! This book
delivers complete, focused review
for Sun’s new Sun Certified
Enterprise Architect (SCEA) for
Java EE certification exam—straight
from two of the exam’s creators!
SCEA lead developer/assessor Mark
Cade and SCEA lead
developer/assessor Humphrey Sheil
offer powerful insights, real-world
architectural case studies, and
challenging sample questions that*

*systematically prepare you for the actual exam. For every question, the authors show why the right answers are right—and why the other answers are wrong. Cade and Sheil cover every SCEA exam topic, skill, and technique, including: Understanding system architecture and its goals
Decomposing larger systems into components organized by tiers or layers
Addressing requirements for scalability, maintainability, reliability, availability, extensibility, performance, and security
Building effective web (presentation) tiers, and analyzing tradeoffs associated with using web frameworks
Leveraging EJB 3's enhancements for business tier development*

Covering new enhancements in the JEE 5 platform Choosing and architecting the best integration and messaging components for your system Using the Java security model to enforce confidentiality, integrity, authorization, authentication, and non-repudiation Using the most powerful and useful Java EE architecture patterns Documenting Java EE architectures through visual models and narratives The authors also present detailed guidance for handling every element of the SCEA exam—including your development and defense of a complete real-world architectural solution.

JSP Tag Libraries is an extension to

Java Server Pages, the Java API for web development that allows a cleaner separation of logic and presentation. This promotes genuine reusability and improves the scope and power of JSF. Professional JSP Tag Libraries teaches you how to create usable, maintainable, powerful, and flexible tags. We will teach you good practices, and the design implications of tags, that will enable you to maximise the reusability of your code. This book includes many useful code examples that illustrate the points being made. Who is this book for ? The book is for any web developer who wishes to create powerful and maintainable JSP applications. You will need to

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know the basics of JSP in order to follow the material : basic knowledge of sessions, the use of JavaBeans in pages, and some experience with writing JSP pages is assumed in the text. This book builds upon the Beginning JSP Web Development and Professional JSP 2nd Edition books by Wrox Press. Sun certified enterprise architect for J2EE

*Enterprise Integration Patterns
Exam 310-065*

*SCEA Sun Certified Enterprise
Architect for Java EE Study Guide
(Exam 310-051)*

*A Comprehensive Guide Having 300
Questions on All Objectives of the
Multiple Choice Exam Along With a*

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*Chapter on Assignment and Essay
Exam*

*Oracle Certified Master Java
Enterprise Architect Java EE 7*

Property and Casualty -
Reference Edition

The only classroom-based training and self-assessment system! This study guide provides 100% complete coverage of all objectives for the Sun Certified Architect for J2EE exam. Based on 300,000+ hours of IT training experience, the book contains hundreds of practice exam questions and hands-on exercises. The CD-ROM features full

practice exam software with interactive tutorials and lab simulations, plus an adaptive test engine. Master Application Development with Java WebSocket Build dynamic enterprise Web applications that fully leverage state-of-the-art communication technologies. Written by the leading expert on Java WebSocket programming, this Oracle Press guide offers practical development strategies and detailed example applications. Java WebSocket Programming

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explains how to design client/server applications, incorporate full-duplex messaging, establish connections, create endpoints, handle path mapping, and secure data. You'll also learn how to encrypt Web transmissions and enrich legacy applications with Java WebSocket. Develop Web applications using the Java WebSocket API Create and publish annotated and programmatic endpoints Manage the lifecycle events of WebSocket endpoints Maintain reliable connections

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across the endpoint
lifecycle Manage

synchronous and
asynchronous messaging

Define encoding and
decoding strategies for
complex messaging

Configure message
timeouts, size limits, and
exceptions Map message
paths and route incoming
URIs to Web containers

Secure data, authenticate
users, and encrypt
connections

Direct from the Source!

The authoritative step-by-
step guide to developing
enterprise applications
for Java EE.

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Head First Servlets and
JSP

Osworkflow

Sun Certified Enterprise
Architect for J2EE

Technology

Software Architecture

Design Patterns in Java

Oracle Certified Master,

Java Ee Enterprise

Architect Practice Guide

Building Next Generation

Web Services Visually

Virtual, hands-on learning labs allow you to apply your technical skills in realistic environments. So Sybex has bundled AWS labs from XtremeLabs with our popular AWS Certified Data Analytics Study Guide to give you the same experience working in these labs

as you prepare for the Certified Data Analytics Exam that you would face in a real-life application. These labs in addition to the book are a proven way to prepare for the certification and for work as an AWS Data Analyst. AWS Certified Data Analytics Study Guide: Specialty (DAS-C01) Exam is intended for individuals who perform in a data analytics-focused role. This UPDATED exam validates an examinee's comprehensive understanding of using AWS services to design, build, secure, and maintain analytics solutions that provide insight from data. It assesses an examinee's ability to define AWS data analytics services and understand how they integrate with each other; and explain how AWS data analytics services fit in the data lifecycle of

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collection, storage, processing, and visualization. The book focuses on the following domains:

- Collection
- Storage and Data Management
- Processing
- Analysis and Visualization
- Data Security

This is your opportunity to take the next step in your career by expanding and validating your skills on the AWS cloud. AWS is the frontrunner in cloud computing products and services, and the AWS Certified Data Analytics Study Guide: Specialty exam will get you fully prepared through expert content, and real-world knowledge, key exam essentials, chapter review questions, and much more. Written by an AWS subject-matter expert, this study guide covers exam concepts, and provides key review on exam topics. Readers will

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also have access to Sybex's superior online interactive learning environment and test bank, including chapter tests, practice exams, a glossary of key terms, and electronic flashcards. And included with this version of the book, XtremeLabs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months of unlimited access to XtremeLabs AWS Certified Data Analytics Labs with 3 unique lab modules based on the book.

The Best Fully Integrated Study System Available--Written by the Lead Developers of Exam 310-065 With hundreds of practice questions and hands-on exercises, SCJP Sun Certified Programmer for Java 6 Study Guide covers what you need to know--and

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shows you how to prepare--for this
challenging exam. 100% complete
coverage of all official objectives for
exam 310-065 Exam Objective
Highlights in every chapter point out
certification objectives to ensure you're
focused on passing the exam Exam
Watch sections in every chapter
highlight key exam topics covered
Simulated exam questions match the
format, tone, topics, and difficulty of
the real exam Covers all SCJP exam
topics, including: Declarations and
Access Control · Object Orientation ·
Assignments · Operators · Flow
Control, Exceptions, and Assertions ·
Strings, I/O, Formatting, and Parsing ·
Generics and Collections · Inner
Classes · Threads · Development CD-
ROM includes: Complete MasterExam

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practice testing engine, featuring: Two full practice exams; Detailed answers with explanations; Score Report performance assessment tool Electronic book for studying on the go Bonus coverage of the SCJD exam included! Bonus downloadable MasterExam practice test with free online registration.

Helps readers understand the goals of system architecture, design patterns, identify the appropriate J2EE technologies and APIs, maximize security and scalability, and evaluate existing architectures.

Java EE and .NET Interoperability addresses issues encountered during the integration process, such as a diverse technology set, incompatible APIs, and disparate environment maintenance.

The experienced authors outline strategies, approaches, and best practices, including messaging, Web services, and integration-related frameworks and patterns. The book also introduces readers to Service Oriented Architecture (SOA), the building block for scalable and reliable enterprise integration solutions. This indispensable book provides the Java EE and .NET developer community with multiple strategies to integrate between Java EE and .NET platforms that save developers time and effort. Applying proven interoperability solutions significantly reduces the application development cycle. Coverage includes · Effective Java EE—.NET integration strategies and best practices · Detailed enterprise

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coverage, as well as standalone Java EE
component integration with .NET ·

SOA as a building block for Java
EE—.NET interoperability ·

Interoperability security issues and risk
mitigation · Managing reliability,
availability, and scalability for Web
services built on Java EE and .NET ·

The latest interoperability standards and
specifications, including Web SSO
MEX and WS-Management · Current
interoperability technologies, such as
Windows Communication Foundation,
WSE 3.0, JAX-WS, and Enterprise
Service Bus

Certification Guide

Sun Certified Enterprise Architect for
Java EE Study Guide, Second Edition
A Practical Guide to Enterprise
Architecture

Specialty DAS-C01 Exam

A Software Architect's Perspective

Java Transaction Design Strategies

This book covers all aspects of OSWorkflow for Java developers and system architects, from basics of Business Process Management and installing OSWorkflow to developing complex Java applications and integrating this open-source Java workflow engine with the third-party components Drools for business rules, Quartz for task scheduling, and Pentaho for dashboards. Authored by an active developer of the OSWorkflow project, it gives step-by-step instructions, explaining the basics and clarifying and reinforcing principles with real-life examples. OSWorkflow is a pure Java open-source workflow engine for technical users, who can focus on the business

logic and rules without Petri Net or finite state machine coding and easily integrate OSWorkflow into applications to create simple or complex workflows as needed. Because OSWorkflow provides a relatively low-level but highly flexible workflow implementation for Java developers, it is not a quick plug-and-play solution for non-technical users.

The book concentrates on leveraging Java Business Integration (JBI) for addressing real world integration problems with examples. Business level integration in Java needs to address integrating multiple flavors of business components including POJO, EJB, Web Services, JMS, etc. The book will explain all the above scenarios, using open source Apache ServiceMix as the ESB framework. This book is aimed at Java developers

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and integration architects aiming to become proficient with Java Business Integration (JBI) standard, who are expected to have some experience with Java and to have developed and deployed applications in the past, but need no previous knowledge of JBI.

The book can also be useful to anyone, who has been having a hard time understanding ESB and how it differs from other architectures and to understand its position in SOA.

Annotation The authoritative solution to passing the 310-080 exam! Alain Trottier is a well respected authority in the Java community. Training Guides are the most effective self-study guides in the marketplace, featuring exam tips, study strategies, review exercises, case studies, practice exams, ExamGear testing software, and more Each Training

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Guides is subjected to rigorous technical review by a team of industry experts, ensuring content is superior in both coverage and technical accuracy. This certification is for Sun Certified Programmers for Java 2 Platform who are using servlet and JavaServer Pages (JSP) APIs to develop Web applications using the Java 2 Platform, Enterprise Edition (J2EE). The certification consists of one exam and requires Sun Certified Programmer for Java 2 Platform status. Readers preparing for this exam find the Training Guide series to be the most successful self-study tool in the market. This book is their one-stop shop because of its teaching methodology, the accompanying ExamGear testing software, and superior Web site support at www.quepublishing.com/certification.

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Alain Trottieris a Sun Certified Java Programmer and a Microsoft Certified Solution Developer. He is the lead technologist at Strategic Business Resources and an adjunct Professor at Vanguard University. He has been using, reading, and writing computer language documentation for over a decade. He has co-authored or contributed to Sun Certification Training Guide (310-025, 310-027): Java 2 Programmer and Developer Exams(Que, 078972765X, 06/02) and Java 2 Core Language Little Black Book(Coriolis, 158880271X, 03/02). Build robust and reliable Java applications that works on modern infrastructure, such as containers and cloud, using the new features in Quarkus 1.0 Key Features Build apps with faster boot time and low RSS memory using the latest Quarkus 1.0

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features Seamlessly integrate imperative and reactive programming models to build modern Java applications Discover effective solutions for running Java on serverless apps, microservices, containers, FaaS, and the cloud Book Description Quarkus is a new Kubernetes-native framework that allows Java developers to combine the power of containers, microservices, and cloud-native to build reliable applications. The book is a development guide that will teach you how to build Java-native applications using Quarkus and GraalVM. We start by learning about the basic concepts of a cloud-native application and its advantages over standard enterprise applications. Then we will quickly move on to application development, by installing the tooling required to

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build our first application on Quarkus. Next, we'll learn how to create a container-native image of our application and execute it in a Platform-as-a-Service environment such as Minishift. Later, we will build a complete real-world application that will use REST and the Contexts and Dependency injection stack with a web frontend. We will also learn how to add database persistence to our application using PostgreSQL. We will learn how to work with various APIs available to Quarkus such as Camel, Eclipse MicroProfile, and Spring DI. Towards the end, we will learn advanced development techniques such as securing applications, application configuration, and working with non-blocking programming models using Vert.x. By the end of this book, you will be proficient with all the

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components of Quarkus and develop-
blazing fast applications leveraging
modern technology infrastructure.

What you will learn Build a native
application using Quarkus and
GraalVM Secure your applications
using Elytron and the MicroProfile
JWT extension Manage data
persistence with Quarkus using
PostgreSQL Use a non-blocking
programming model with Quarkus
Learn how to get Camel and Infinispan
working in native mode Deploy an
application in a Kubernetes-native
environment using Minishift Discover
Reactive Programming with Vert.x
Who this book is for The book is for
Java developers and software
architects who are interested in
learning a promising microservice
architecture for building reliable and
robust applications. Knowledge of

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Java, Spring Framework, and REST APIs is assumed.

Java nintei shikaku gaido

Sun Certified Enterprise Architect for
J2EE Technology Study Guide

Process-Centric Architecture for
Enterprise Software Systems

Sun Certified Enterprise Architect for
J2EE Study Guide (exam 310-051)

The Java EE 5 Tutorial

Sun Java 2 Enterprise Edition (J2EE)
Web Component Developer Exam

Understanding how transaction management works in Java and developing an effective transaction design strategy can help to avoid data integrity problems in your applications and databases and ease the pain of inevitable system failures. This book is about how to design an effective transaction management strategy using the transaction models provided by Java-based

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frameworks such as EJB and Spring.

Techniques, best practices, and pitfalls with each transaction model will be described. In addition, transaction design patterns will bring all these concepts and techniques together and describe how to use these models to effectively manage transactions within your EJB or Spring-based Java applications. The book covers:

- The local transaction model
- The programmatic transaction model
- The declarative transaction model
- XA Transaction Processing
- Transaction Design Patterns

The Best Fully Integrated Study System Available With hundreds of practice questions and hands-on exercises, Sun Certified Enterprise Architect for Java EE Study Guide covers what you need to know--and shows you how to prepare--for this challenging exam. 100% complete coverage of all official objectives for exam

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310-051 Inside the Exam sections in every chapter highlight key exam topics covered
Simulated exam questions match the format, tone, topics, and difficulty of the real exam Covers all the exam topics, including: Basic Principles of Enterprise Architectures * Object-Oriented Design Using UML * Applicability of JEE Technology * Design Patterns * Legacy Connectivity * EJB and Container Models * Messaging * Internationalization and Localization * Security CD-ROM includes: Complete MasterExam practice testing engine, featuring: One full practice exam: Detailed answers with explanations: Score Report performance assessment tool Electronic book for studying on the go With free online registration: Bonus downloadable MasterExam practice test "A comprehensive guide having 300 questions on all objectives of the multiple choice exam, along with a chapter on

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assignment and essay exam -- Cover.

Sun Certified Enterprise Architect for the Java EE Platform (SCEA) certification certifies the skills of a software architect in the Java Enterprise Edition technology (formerly J2EE). This self-study exam preparation guide for the SCEA certification exam contains everything you need to test yourself and pass the Exam. All Exam topics are covered and insider secrets, complete explanations of all SCEA subjects, test tricks and tips, numerous highly realistic sample questions, and exercises designed to strengthen understanding of SCEA concepts and prepare you for exam success on the first attempt are provided. Put your knowledge and experience to the test. Achieve SCEA certification and accelerate your career. Can you imagine valuing a book so much that you send the author a "Thank You" letter? Tens of

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thousands of people understand why this is a worldwide best-seller. Is it the authors years of experience? The endless hours of ongoing research? The interviews with those who failed the exam, to identify gaps in their knowledge? Or is it the razor-sharp focus on making sure you don't waste a single minute of your time studying any more than you absolutely have to? Actually, it's all of the above. This book includes new exercises and sample questions never before in print. Offering numerous sample questions, critical time-saving tips plus information available nowhere else, this book will help you pass the SCEA exam on your FIRST try. Up to speed with the theory? Buy this. Read it. And Pass the SCEA Exam.

A Guide for Java Developers and Architects to Integrating Open-source Business Process Management
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EE Study Guide

Industry Reference Blueprint for Insurance

AWS Certified Data Analytics Study

Guide with Online Labs

Java EE 7 Recipes

Irbi

bull; Written by expert practitioners who have hands-on experience solving real-world problems for large

corporations bull; Helps enterprise architects make sense of data,

systems, software, services, product lines, methodologies, and much more

bull; Provides explanation of theory and implementation with real-world

business examples to support key points

* BEA WebLogic makes it very easy for application developers to use Java to build enterprise-class Web services that will run on BEA WebLogic Server

* Each chapter explains major

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WebLogic concepts and includes a discussion and sample code * Upon completing a chapter, readers are able to use those concepts discussed to immediately build Java Web services

The increasing adoption of Business Process Management (BPM) has inspired pioneering software architects and developers to effectively leverage BPM-based software and process-centric architecture (PCA) to create software systems that enable essential business processes. Reflecting this emerging trend and evolving field, Process-Centric Architecture

Use Java CAPS to Streamline IT Services and Leverage Legacy Applications Design patterns are a useful tool for streamlining enterprise integration and Web development projects: the mission-critical projects

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that directly impact your competitiveness. Enterprise Integration Patterns by Gregor Hohpe and Bobby Woolf (Addison-Wesley, 2004) described many of the most useful patterns for enterprise developers. Until recently, however, implementing the patterns in that classic reference required the extensive use of raw Java code. Now there ' s a better alternative: Using Sun ' s Java Composite Application Suite (Java CAPS), architects and developers can implement enterprise integration patterns succinctly, elegantly, and completely. In Java™ CAPS Basics, Sun ' s own Java CAPS experts show how to quickly put these new tools and technologies to work in your real-world enterprise application integration projects. After reviewing the challenges of enterprise

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integration, they introduce Java CAPS and show how it can simplify the development of today ' s state-of-the-art " composite " applications. Next, they bridge the gap between abstract pattern languages and practical implementation details. You will learn essential Java CAPS concepts and methods in the context of the patterns you ' ll actually use for real-world message and system management. Coverage includes Comparing approaches to enterprise application integration and finding ways to integrate non-invasively, with fewer changes and lower costs Mastering the core integration tools provided by Java CAPS: eGate, eInsight, eWays and JMS Using enterprise integration patterns to improve application reusability, scalability, resilience, security, and manageability

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Implementing patterns for message exchange, correlation, infrastructure, routing, construction, transformation, and endpoints
Generating and using cryptographic objects such as X.509 Certificates, PKCS#12, and JKS Keystores
Using advanced techniques such as solution partitioning and subprocess implementation, many of which are covered nowhere else
Constructing two complete example solutions that bring together many of the patterns discussed and illustrated in this book
The companion CD contains detailed illustrations for most of the relevant patterns and two complete Java CAPS-based case studies (with solutions) that implement a number of the patterns discussed in the book. In addition, Part II contains a chapter on cryptographic objects used to

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configure security-related aspects of the suite. It also provides more than sixty detailed examples designed to illustrate the concepts and patterns presented in this book. Built with JCAPS eDesigner, these graphical, component-based examples can easily be used by business analysts and others with or without strong coding skills.

Professional JSP Tag Libraries
Enterprise Service Bus Integration
Solutions for Java Developers
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Java 6 Study Guide
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Sun certified enterprise architect for
J2EE technology
Sun Certified Enterprise Architect for
Java EE Study Guide (Exam 310-051),
2nd Edition

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*Comprehensive SCEA Exam
Prep—Straight from Sun's
Exam Developers! This
book delivers complete,
focused review for Sun's
new Sun Certified
Enterprise Architect
(SCEA) for Java EE
certification exam—
straight from two of the
exam's creators! SCEA
lead developer/assessor
Mark Cade and SCEA lead
developer/assessor
Humphrey Sheil offer
powerful insights, real-
world architectural case
studies, and challenging*

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sample questions that systematically prepare you for the actual exam. For every question, the authors show why the right answers are right—and why the other answers are wrong. Cade and Sheil cover every SCEA exam topic, skill, and technique, including: Understanding system architecture and its goals Decomposing larger systems into components organized by tiers or layers Addressing requirements for scalability,

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*maintainability,
reliability,
availability,
extensibility,
performance, and
security Building
effective web
(presentation) tiers,
and analyzing tradeoffs
associated with using
web frameworks
Leveraging EJB 3's
enhancements for
business tier
development Covering new
enhancements in the JEE
5 platform Choosing and
architecting the best
integration and*

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*messaging components for
your system Using the
Java security model to
enforce confidentiality,
integrity,
authorization,
authentication, and non-
repudiation Using the
most powerful and useful
Java EE architecture
patterns Documenting
Java EE architectures
through visual models
and narratives The
authors also present
detailed guidance for
handling every element
of the SCEA exam-
including your*

development and defense of a complete real-world architectural solution. Sun Microsystems experts Stelting and Maassen describe how design patterns can be applied effectively to the Java platform and present proven techniques for all types of patterns, from system architecture to single classes. *Applied Java Patterns* features a pattern catalog organized into four major categories - the creational, structural, behavioral,

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and system patterns. In addition, the authors identify patterns in the core Java APIs and present techniques for pattern use in distributed development. The Best Fully Integrated Study System Available for Exam 310-051 With hundreds of practice questions and hands-on exercises, Sun Certified Enterprise Architect for Java EE Study Guide covers what you need to know--and shows you how to prepare--for this

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challenging exam. 100%
complete coverage of all
official objectives for
exam 310-051 Inside the
Exam sections in every
chapter highlight key
exam topics covered
Simulated exam questions
match the format, tone,
topics, and difficulty
of the real exam Covers
all the exam topics,
including: Basic
Principles of Enterprise
Architectures * Object-
Oriented Design Using
UML * Applicability of
JEE Technology * Design
Patterns * Legacy

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Connectivity * EJB and
Container Models *

Messaging *

Internationalization and
Localization * Security

Electronic content

includes: Complete
MasterExam practice

testing engine,

featuring: One full

practice exam: Detailed
answers with

explanations: Score

Report performance

assessment tool

Electronic book for

studying on the go With

free online

registration: Bonus

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practice test

Java EE 7 Recipes takes an example-based approach in showing how to program Enterprise Java applications in many different scenarios. Be it a small-business web application, or an enterprise database application, Java EE 7 Recipes provides effective and proven solutions to accomplish just about any task that you may encounter. You can feel confident using

the reliable solutions that are demonstrated in this book in your personal or corporate environment. The solutions in Java EE 7 Recipes are built using the most current Java Enterprise specifications, including EJB 3.2, JSF 2.2, Expression Language 3.0, Servlet 3.1, and JMS 2.0. While older technologies and frameworks exist, it is important to be forward-looking and take advantage of all that

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the latest technologies offer. Rejuvenate your Java expertise to use the freshest capabilities, or perhaps learn Java Enterprise development for the first time and discover one of the most widely used and most powerful platforms available for application development today. Let Java EE 7 Recipes show you the way by showing how to build streamlined and reliable applications much faster and easier than ever before by making

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effective use of the
latest frameworks and
features on offer in the
Java EE 7 release. Shows
off the most current
Java Enterprise Edition
technologies. Provides
solutions to creating
sophisticated user
interfaces. Demonstrates
proven solutions for
effective database
access. Table of
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Facelets JavaServer
Faces Standard

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*Components Advanced
JavaServer Faces and
Ajax JDBC Object-
Relational Mapping
Enterprise JavaBeans The
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**The First Complete Guide to
DevOps for Software Architects**
**DevOps promises to accelerate the
release of new software features
and improve monitoring of systems
in production, but its crucial
implications for software architects
and architecture are often ignored.**
**In DevOps: A Software Architect's
Perspective, three leading
architects address these issues**

head-on. The authors review decisions software architects must make in order to achieve DevOps' goals and clarify how other DevOps participants are likely to impact the architect's work. They also provide the organizational, technical, and operational context needed to deploy DevOps more efficiently, and review DevOps' impact on each development phase. The authors address cross-cutting concerns that link multiple functions, offering practical insights into compliance, performance, reliability, repeatability, and security. This guide demonstrates the authors' ideas in action with three real-world case studies: datacenter replication for business continuity, management of a continuous deployment pipeline, and migration

to a microservice architecture.

Comprehensive coverage includes

- **Why DevOps can require major changes in both system architecture and IT roles**
- **How virtualization and the cloud can enable DevOps practices**
- **Integrating operations and its service lifecycle into DevOps**
- **Designing new systems to work well with DevOps practices**
- **Integrating DevOps with agile methods and TDD**
- **Handling failure detection, upgrade planning, and other key issues**
- **Managing consistency issues arising from DevOps' independent deployment models**
- **Integrating security controls, roles, and audits into DevOps**
- **Preparing a business plan for DevOps adoption, rollout, and measurement**

There's a great deal of wisdom in a crowd, but how do you listen to a thousand people talking at once? Identifying the wants, needs, and knowledge of internet users can be like listening to a mob. In the Web 2.0 era, leveraging the collective power of user contributions, interactions, and feedback is the key to market dominance. A new category of powerful programming techniques lets you discover the patterns, inter-relationships, and individual profiles--the collective intelligence--locked in the data people leave behind as they surf websites, post blogs, and interact with other users. Collective Intelligence in Action is a hands-on guidebook for implementing collective intelligence concepts using Java. It is the first Java-

based book to emphasize the underlying algorithms and technical implementation of vital data gathering and mining techniques like analyzing trends, discovering relationships, and making predictions. It provides a pragmatic approach to personalization by combining content-based analysis with collaborative approaches. This book is for Java developers implementing Collective Intelligence in real, high-use applications. Following a running example in which you harvest and use information from blogs, you learn to develop software that you can embed in your own applications. The code examples are immediately reusable and give the Java developer a working

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collective intelligence toolkit. Along the way, you work with, a number of APIs and open-source toolkits including text analysis and search using Lucene, web-crawling using Nutch, and applying machine learning algorithms using WEKA and the Java Data Mining (JDM) standard. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Software engineering and computer science students need a resource that explains how to apply design patterns at the enterprise level, allowing them to design and implement systems of high stability and quality. **Software Architecture Design Patterns in Java** is a detailed explanation of how to

apply design patterns and develop software architectures. It provides in-depth examples in Java, and guides students by detailing when, why, and how to use specific patterns. This textbook presents 42 design patterns, including 23 GoF patterns. Categories include: Basic, Creational, Collectional, Structural, Behavioral, and Concurrency, with multiple examples for each. The discussion of each pattern includes an example implemented in Java. The source code for all examples is found on a companion Web site. The author explains the content so that it is easy to understand, and each pattern discussion includes Practice Questions to aid instructors. The textbook concludes with a case study that pulls several patterns together to

demonstrate how patterns are not applied in isolation, but collaborate within domains to solve complicated problems.

Oracle Certified Master, Java Enterprise Architect Java EE 7 Certification Guide is a practical hands on guide for those looking to achieve the Master certification. It deals with the different technological aspects necessary to prop up the understanding of the aspirants and help them achieve a rich conceptual understanding of the latest Java Platform, Enterprise Edition. It enhances their exam readiness by focusing on the most important categories defined by certification program at Oracle. The contents cater to the following categories recommended by Oracle in detail with specific references to

the different parts of the exams:
**Architectural fundamentals Web
tier components Business tier
components Web services
Messaging and integration Security
Architectural artifacts Design and
architectural Patterns** The book is
replete with examples and
references to functional and non-
functional aspects of using
enterprise Java platform for
application development. Detailed
information on each of the major
aspects of the certification
examination is covered , including
conceptual explanations, examples,
code snippets, comparisons with
the alternative technologies,
communications, protocols, etc.
The book is accompanied by
additional resources available on
the source code site, which cover

the most up-to-date information on all aspects of the certification examination, including FAQ, mock tests with answers, and some additional tests for preparation. What you'll learn Core aspects of technologies, specifications, communication protocols, libraries and APIs involved in Java EE technology. Selecting security technology at different layers of architecture. Understanding GOF and J2EE patterns and applying them given a situation Who this book is for Java EE 7 certification aspirants, senior Java application developers, web application developers, and Java architects. The book also will help Java enthusiasts at various levels to understand technologies at conceptual as well as application

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level. Students of computer science and information technology at the post-graduate level will also be able to understand and appreciate the technology of Java Enterprise Edition.

Java [?][?][?][?][?][?][?]

DevOps

Sun Certified Enterprise Architect for Java™ EE Study Guide, Second Edition

**Passing the Sun Certified Web Component Developer Exam
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fact, that you can pass the brand new J2EE 1.5 exam. If that's what you want to do, that is. Maybe you don't care about the exam, but need to use servlets and JSPs in your next project. You're working on a deadline. You're over the legal limit for caffeine. You can't waste your time with a book that makes sense only AFTER you're an expert (or worse, one that puts you to sleep). Learn how to write servlets and JSPs, what makes a web container tick (and what ticks it off), how to use JSP's Expression Language (EL for short), and how to write deployment descriptors for your web applications. Master the c:out tag, and get a handle on exactly what's changed since the older J2EE 1.4 exam. You don't just pass the new J2EE 1.5 SCWCD exam, you'll understand this stuff and put it to work immediately. Head First Servlets

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and JSP doesn't just give you a bunch of facts to memorize, it drives knowledge straight into your brain.

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Architecting High Performing, Scalable and Available Enterprise Web Applications provides in-depth insights into techniques for achieving desired scalability, availability and performance quality goals for enterprise web applications. The book provides an integrated 360-degree view of achieving and maintaining these attributes through practical, proven patterns, novel models, best practices, performance strategies, and

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continuous improvement methodologies and case studies. The author shares his years of experience in application security, enterprise application testing, caching techniques, production operations and maintenance, and efficient project management techniques. Delivers holistic view of scalability, availability and security, caching, testing and project management Includes patterns and frameworks that are illustrated with end-to-end case studies Offers tips and troubleshooting methods for enterprise application testing, security, caching, production operations and project management Exploration of synergies between techniques and methodologies to achieve end-to-end availability, scalability, performance and security quality attributes 360-degree viewpoint approach for

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*achieving overall quality Practitioner
viewpoint on proven patterns,
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