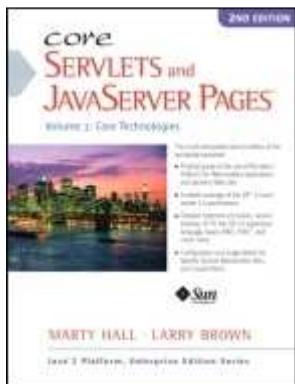[Team LiB]

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Core Servlets and JavaServer Pages™: Volume 1: Core Technologies, 2nd Edition

By Marty Hall, Larry Brown

Start Reading ▶

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The J2EE(TM) Platform has become the technology of choice for developing professional e-commerce applications, interactive Web sites, and Web-enabled applications and services. Servlet and JSP(TM) technology is the foundation of this platform: it provides the link between Web clients and server-side applications. In this 2nd edition of the worldwide bestseller, the authors show you how to apply the latest servlet and JSP capabilities. Unlike other books that treat servlet or JSP technology in isolation, Core Servlets and JavaServer Pages provides a unified treatment, showing you when servlet technology is best, when the JSP approach is preferred, and when (and how) servlets and JSP should work together.

Part I provides exhaustive coverage of the servlet 2.4 specification. It starts with server configuration, basic syntax, the servlet life cycle, and use of form data. It moves on to applying HTTP 1.1, cookies, and session tracking. Advanced topics include compressing Web content, incrementally updating results, dynamically generating images, and creating shopping carts.

Part II gives an in-depth guide to JSP 2.0. It covers both the "classic" JSP scripting elements and the new JSP 2.0 expression language. It shows how to control the content type, designate error pages, include files, and integrate JavaBeans components. Advanced topics include sharing beans, generating Excel spreadsheets, and dealing with concurrency.

Part III covers two key supporting technologies: HTML forms and database access with JDBC (TM). It explains every standard HTML input element and shows how to use appropriate JDBC drivers, perform database queries, process results, and perform updates. Advanced topics include parameterized queries, stored procedures, and transaction control.

Design strategies include ways to integrate servlet and JSP technology, best practices for invoking Java code from JSP pages, plans for dealing with missing and malformed data, and application of the MVC architecture.

Handy guides walk you through use of three popular servlet and JSP engines (Apache Tomcat, Macromedia JRun, and Caucho Resin) and some of the most widely used database systems (MySQL, Oracle9i, Microsoft Access).

Volume 2 of this book covers advanced topics: filters, custom tag libraries, database connection pooling, Web application security, the JSP Standard Tag Library (JSTL), Apache Struts, JavaServer Faces (JSF), JAXB, and more.

- The same clear step-by-step explanations that made the first edition so popular

- Completely updated for the latest standards: servlets 2.4 and JSP 2.0

- Hundreds of completely portable, fully documented, industrial-strength examples

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