

DOWNLOAD PDF DESIGNING WEB SERVICES WITH THE J2EE(TM 1.4 PLATFORM

Chapter 1 : Books (OCEJWSD forum at Coderanch)

The upcoming Java BluePrints book, Designing Web Services with the J2EE Platform, discusses these issues in detail. Early access chapters of this book are currently available on the Java BluePrints web site.

You can think of an enterprise bean as a building block that can be used alone or with other enterprise beans to execute business logic on the J2EE server. As mentioned earlier, there are three kinds of enterprise beans: Enterprise beans often interact with databases. A servlet class extends the capabilities of servers that host applications that are accessed by way of a request-response programming model. Although servlets can respond to any type of request, they are commonly used to extend the applications hosted by Web servers. A JSP page is a text-based document that contains two types of text: It enables distributed communication that is loosely coupled, reliable, and asynchronous. The J2EE architecture provides a default auto commit to handle transaction commits and rollbacks. An auto commit means that any other applications that are viewing data will see the updated data after each database read or write operation. However, if your application performs two separate database access operations that depend on each other, you will want to use the JTA API to demarcate where the entire transaction, including both operations, begins, rolls back, and commits. JAF provides standard services to determine the type of an arbitrary piece of data, encapsulate access to it, discover the operations available on it, and create the appropriate JavaBeans component to perform those operations. JAXP also provides namespace support, which lets you work with schemas that might otherwise have naming conflicts. NET client can be configured to use a Web service implemented in Java technology, or a Web service can be configured to recognize a Visual Basic. SSL and TLS ensure message integrity by providing data encryption with client and server authentication capabilities. Authentication is a measured way to verify whether a party is eligible and able to access certain information as a way to protect against the fraudulent use of a system or the fraudulent transmission of information. Additionally, businesses can submit material to be shared and search for material that others have submitted. Because the schema is stored in a standard business registry, both parties can use JAXR to access it. A resource adapter is a software component that allows J2EE application components to access and interact with the underlying resource manager of the EIS. Because a resource adapter is specific to its resource manager, typically there is a different resource adapter for each type of database or enterprise information system. The J2EE Connector architecture also provides a performance-oriented, secure, scalable, and message-based transactional integration of J2EE-based Web services with existing EISs that can be either synchronous or asynchronous. You use the JDBC API in an enterprise bean when you override the default container-managed persistence or have a session bean access the database. With container-managed persistence, database access operations are handled by the container, and your enterprise bean implementation contains no JDBC code or SQL commands. It provides applications with methods for performing standard directory operations, such as associating attributes with objects and searching for objects using their attributes. A component creates a javax. InitialContext object and looks up the environment naming context in InitialContext under the name java: A J2EE component can access named system-provided and user-defined objects. The names of system-provided objects, such as JTA UserTransaction objects, are stored in the environment naming context, java: An object should be named within a subcontext of the naming environment according to the type of the object. For example, enterprise beans are named within the subcontext java: This allows J2EE applications to coexist with legacy applications and systems. Simplified Systems Integration The J2EE platform is a platform-independent, full systems integration solution that creates an open marketplace in which every vendor can sell to every customer. Such a marketplace encourages vendors to compete, not by trying to lock customers into their technologies but instead by trying to outdo each other in providing products and services that benefit customers, such as better performance, better tools, or better customer support.

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Chapter 2 : Designing Web Services with the J2EE Platform - Read online

Written by Sun Microsystems' Java® BluePrints team, Designing Web Services with the J2EE® Platform is the authoritative guide to the best practices for designing and integrating enterprise-level Web services using the Java 2 Platform, Enterprise Edition (J2EE)

Java Message Service Figure 1 Roadmap to This Tutorial After you have become familiar with some of the technology areas, you are ready to tackle the case studies, which tie together several of the technologies discussed in the tutorial. Finally, the appendixes contain auxiliary information helpful to the J2EE application developer along with a brief summary of the J2EE Connector architecture: Required Software Tutorial Bundle The tutorial example source is contained in the tutorial bundle. If you are viewing this online, you need to download tutorial bundle from: You can also download the J2EE 1. You will still have to provide the user name and password to log in to the Admin Console. Note the HTTP port at which the server is installed. This tutorial assumes that you are accepting the default port of 8080. If it is in use during installation and the installer chooses another port or if you decide to change it yourself, you will need to update the common build properties file described in the next section and the configuration files for some of the tutorial examples to reflect the correct port. Registry Server You need a registry server to run the examples discussed in Chapters 10 and 11. Directions for obtaining and setting up a registry server are provided in those chapters. Building the Examples Most of the tutorial examples are distributed with a configuration file for asant, a portable build tool contained in the Application Server. This tool is an extension of the Ant tool developed by the Apache Software Foundation <http://jakarta.apache.org/asant/>. The asant utility contains additional tasks that invoke the Application Server administration utility asadmin. Directions for building the examples are provided in each chapter. The build process uses the j2ee. On Windows, you must escape any backslashes in the j2ee. So, if your Application Server installation is C:\j2ee, this property is used for asant deployment and undeployment. For example on Unix:

Chapter 3 : Designing Web Services with the J2EE(TM) Platform (June 9, edition) | Open Library

Designing Web Services with the J2EE(TM) Platform JAX-RPC, SOAP, and XML Technologies (The Java Series) Pap/Cdr edition Published June 9, by Prentice Hall PTR.

Chapter 4 : Designing Web Services with the J2EE® Platform: JAX-RPC, SOAP, and XML Technologies

Java Platform, Enterprise Edition 6 Web Services Developer Certified Expert Exam Study Guide and Quiz Exam 1Z Upgrade to Java SE 8 Programmer Study Guide and Quiz It is sorta covered in the JavaRanch Style Guide.

Chapter 5 : Designing Web Services with J2EE Platform | Download Latest Java Books

Written by Sun Microsystems' Java BluePrints team, Designing Web Services with the J2EE Platform is the authoritative guide to the best practices for designing and integrating enterprise-level Web services using the Java 2 Platform, Enterprise Edition (J2EE)

Chapter 6 : Inderjeet Singh

Starting with the J2EE platform, with its main focus on Web services, the existing Java-XML technologies are integrated into a consolidated platform in a standard way, thereby allowing applications to be exposed as Web services through a SOAP/HTTP interface.