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Servlet Specification

Version 3.0

**Rajiv Mordani December 2009**

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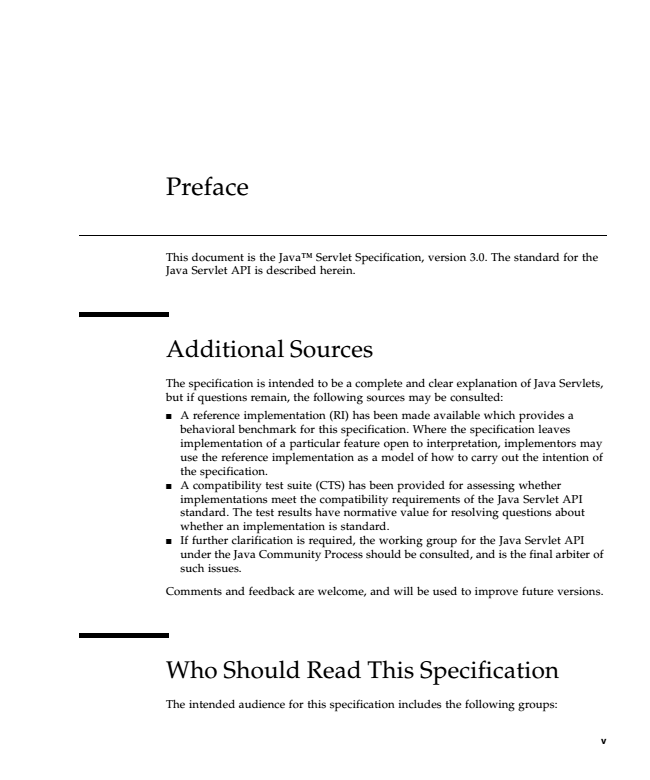
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Rev. April, 2006





Preface

This document is the JavaTM Servlet Specification, version 3.0. The standard for the Java Servlet API is described herein.

Additional Sources

The specification is intended to be a complete and clear explanation of Java Servlets, but if questions remain, the following sources may be consulted:

■

A reference implementation (RI) has been made available which provides a behavioral benchmark for this specification. Where the specification leaves implementation of a particular feature open to interpretation, implementors may use the reference implementation as a model of how to carry out the intention of the specification.

■

A compatibility test suite (CTS) has been provided for assessing whether implementations meet the compatibility requirements of the Java Servlet API standard. The test results have normative value for resolving questions about whether an implementation is standard.

■

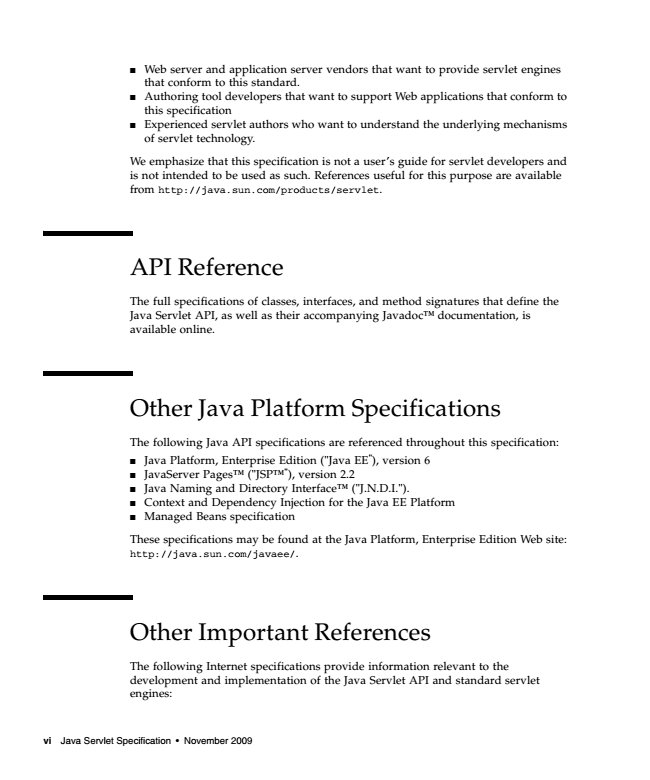
If further clarification is required, the working group for the Java Servlet API under the Java Community Process should be consulted, and is the final arbiter of such issues.

Comments and feedback are welcome, and will be used to improve future versions.

Who Should Read This Specification

The intended audience for this specification includes the following groups:

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Web ■

server and application server vendors that want to provide servlet engines that conform to this standard.

■

Authoring tool developers that want to support Web applications that conform to this specification

■

Experienced servlet authors who want to understand the underlying mechanisms of servlet technology.

We emphasize that this specification is not a user’s guide for servlet developers and is not intended to be used as such. References useful for this purpose are available from http://java.sun.com/products/servlet.

API Reference

The full specifications of classes, interfaces, and method signatures that define the Java Servlet API, as well as their accompanying JavadocTM documentation, is available online.

Other Java Platform Specifications

The following Java API specifications are referenced throughout this specification:

■

Java Platform, Enterprise Edition ("Java EE"), version 6

■

JavaServer PagesTM ("JSPTM"), version 2.2

■

Java Naming and Directory InterfaceTM ("J.N.D.I.").

■

Context and Dependency Injection for the Java EE Platform

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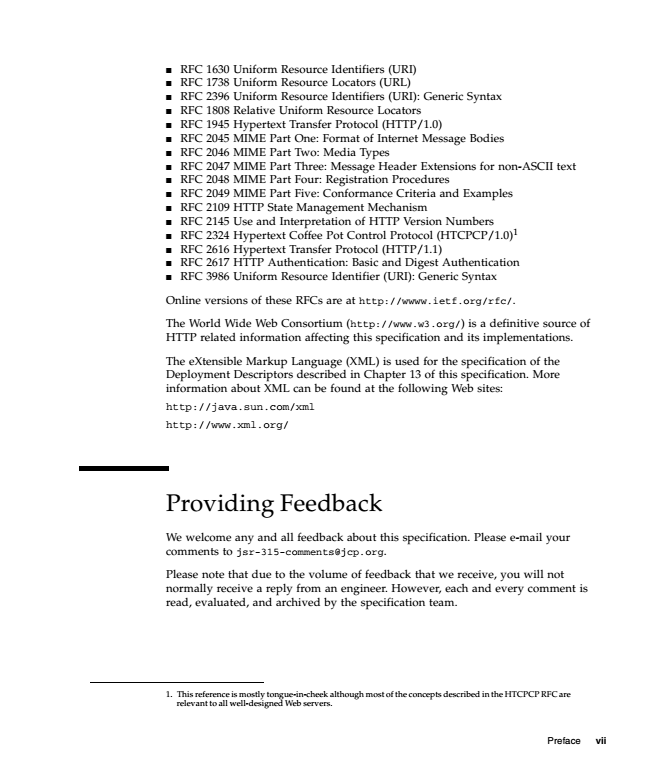
Managed Beans specification

These specifications may be found at the Java Platform, Enterprise Edition Web site: http://java.sun.com/javaee/.

Other Important References

The following Internet specifications provide information relevant to the development and implementation of the Java Servlet API and standard servlet engines:

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RFC ■

1630 Uniform Resource Identifiers (URI)

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RFC 1738 Uniform Resource Locators (URL)

■

RFC 2396 Uniform Resource Identifiers (URI): Generic Syntax

■

RFC 1808 Relative Uniform Resource Locators

■

RFC 1945 Hypertext Transfer Protocol (HTTP/1.0)

■

RFC 2045 MIME Part One: Format of Internet Message Bodies

■

RFC 2046 MIME Part Two: Media Types

■

RFC 2047 MIME Part Three: Message Header Extensions for non-ASCII text

■

RFC 2048 MIME Part Four: Registration Procedures

■

RFC 2049 MIME Part Five: Conformance Criteria and Examples

■

RFC 2109 HTTP State Management Mechanism

■

RFC 2145 Use and Interpretation of HTTP Version Numbers

■

RFC 2324 Hypertext Coffee Pot Control Protocol (HTCPCP/1.0)1

■

RFC 2616 Hypertext Transfer Protocol (HTTP/1.1)

■

RFC 2617 HTTP Authentication: Basic and Digest Authentication

■

RFC 3986 Uniform Resource Identifier (URI): Generic Syntax

Online versions of these RFCs are at http://wwww.ietf.org/rfc/.

The World Wide Web Consortium (http://www.w3.org/) is a definitive source of HTTP related information affecting this specification and its implementations.

The eXtensible Markup Language (XML) is used for the specification of the Deployment Descriptors described in Chapter 13 of this specification. More information about XML can be found at the following Web sites:

http://java.sun.com/xml

http://www.xml.org/

Providing Feedback

We welcome any and all feedback about this specification. Please e-mail your comments to jsr-315-comments@jcp.org.

Please note that due to the volume of feedback that we receive, you will not normally receive a reply from an engineer. However, each and every comment is read, evaluated, and archived by the specification team.

1. This reference is mostly tongue-in-cheek although most of the concepts described in the HTCPCP RFC are

relevant to all well-designed Web servers.

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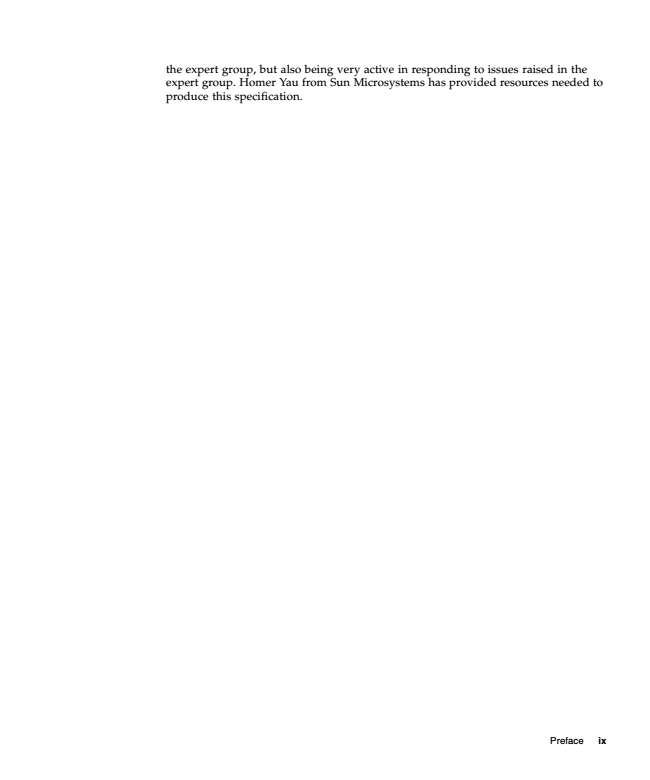
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the expert group, but also being very active in responding to issues raised in the expert group. Homer Yau from Sun Microsystems has provided resources needed to produce this specification.

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