## **Contents**

Introduction	
About the Author	xv
About the Technical Reviewer	
Chapter 1: Jakarta Tomcat	
The Jakarta Tomcat Server	1
The Architecture of Tomcat	4
Java Web Applications	
Requirements for Installing and Configuring Tomcat	9
Installing and Configuring Tomcat	
Testing Your Tomcat Installation	
Summary	
Chapter 2: Deploying Web Applications to Tomo	19
The Tomcat Directory Structure	
The Tomcat Directory Structure	
The Tomcat Directory Structure Manually Deploying Web Applications to Tomcat Summary Chapter 3: Servlets, JSPs, and the	
The Tomcat Directory Structure  Manually Deploying Web Applications to Tomcat  Summary	
The Tomcat Directory Structure  Manually Deploying Web Applications to Tomcat  Summary  Chapter 3: Servlets, JSPs, and the  ServletContext  What Are Java Servlets?	
The Tomcat Directory Structure  Manually Deploying Web Applications to Tomcat  Summary  Chapter 3: Servlets, JSPs, and the  ServletContext  What Are Java Servlets?  What Are JavaServer Pages?	
The Tomcat Directory Structure  Manually Deploying Web Applications to Tomcat  Summary  Chapter 3: Servlets, JSPs, and the  ServletContext  What Are Java Servlets?  What Are JavaServer Pages?	
The Tomcat Directory Structure  Manually Deploying Web Applications to Tomcat  Summary  Chapter 3: Servlets, JSPs, and the  ServletContext  What Are Java Servlets?	
The Tomcat Directory Structure  Manually Deploying Web Applications to Tomcat  Summary  Chapter 3: Servlets, JSPs, and the ServletContext  What Are Java Servlets?  What Are JavaServer Pages? The ServletContext and its Relationship to	

## Contents

Chapter 4: Using Tomcat's Manager Application73
What is the Manager Web Application?
Chapter 5: Configuring Security Realms8
Security Realms
Chapter 6: Embedding Tomcat
Embedding Tomcat into a Java Application
Chapter 7: Persistent Sessions
HTTP Sessions
Chapter 8: Valves and Servlet Filters
What is a Tomcat Valve?

Chapter 9: Integrating the Apache HTTP Server151
What is the Apache Web Server?
Chapter 10: Integrating the Jakarta-Struts Project
The Jakarta-Struts Project
Chapter 11: Integrating the Jakarta-Log4J Project
The Jakarta-Log4J Project
Chapter 12: Integrating the Apache SOAP Project
Introducing the Apache SOAP Project
Appendix A: The server.xml File203
Containers

## Contents

Appendix B: The web.xml File	.219
Adding a Servlet Filter	.221
Adding a Servlet Definition	.222
Adding a Servlet Mapping	.223
Configuring the Session	.224
Adding a Welcome File List	
Adding a Tag Library	.225
Adding a Security Constraint	.226
Adding a Login Config	