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Note generali	"Learn Apache Tomcat 7 step-by-step through a practical approach, achieving a wide vision of enterprise middleware along with building your own middleware servers, and administrating 24x7x365." Includes index.
Nota di contenuto	Cover; Apache Tomcat 7 Essentials; Credits; About the Author; Acknowledgement; About the Reviewers; www.PacktPub.com; Support files, eBooks, discount offers and more; Why Subscribe?; Free Access for Packt account holders; Table of Contents; Preface; What this book covers; What you need for this book; Who this book is for; Conventions; Reader feedback; Customer support; Downloading the example code; Errata; Piracy; Questions; Chapter 1: Installation of Tomcat 7; History of Tomcat; Tomcat support matrix; Features and enhancements of Apache Tomcat 7 Web application memory leak detection and preventionServlet 3.0; Improved logging; Aliases; Installation of Tomcat 7; How to download the Tomcat software; Binary package; RPM/exe; Source; Prerequisites for the Tomcat 7 installation; Installation of Java; Configuration of OS environment variables; Installation of Apache Tomcat 7; Installation on a Windows environment; Installation on a Linux environment; Startup and shutdown of Tomcat services; Services in Windows; Services in Linux; Startup script; Shutdown script; Verification of Tomcat status Common problems and troubleshooting in installationError: Permission denied for the Java binary; Error: Tomcat is not able to find JAVA_HOME; Error: Error in the logs showing port already in use;

Summary; Chapter 2: Configuration and Deployment; Configuration files and their usage; Configuration of Tomcat 7; DataSource configuration; JDBC; JNDI; DataSource; Comparison of the datasource for common databases; Tomcat Manager configuration; Enabling the Tomcat Manager; Context path; Enabling the context path; Deployment in Tomcat 7; Structure of the WebArchive; Archive Files; Types of deployment

Ways of application deployment in Tomcat 7; Common issues in deployment, configuration and their troubleshooting; Summary; Chapter 3: Performance Tuning; Performance tuning for Tomcat 7; Why we need performance tuning?; How to start performance tuning; Tomcat components tuning; Types of connectors for Tomcat 7; Java HTTP Connector; Java AJP Connector; APR (AJP/HTTP) Connector; Thread optimization for Tomcat 7; Shared thread pool (shared executor); Dedicated thread pool; Shared thread pool versus dedicated thread pool; Max threads; maxKeepAlive; JVM tuning

Why do we need to tune the JVM for Tomcat? JMAP (Memory Map); How to increase the heap size in Tomcat 7; Garbage collection; JVM options; Standard options; Non-standard options; Parameters displayed in the logs for GC; SurvivorRatio; OS tuning; Summary; Chapter 4: Integration of Tomcat with the Apache Web Server; User request flow (web/application level); Why the Apache HTTP server; Installation of the Apache HTTP; Apache HTTP installation on Windows; How to monitor the Apache service; Installation of the Apache HTTP on Linux (non-DOS environment); Apache Portable Runtime
Apache Jserv protocol

Sommario/riassunto

This book is a step-by-step tutorial for anyone wanting to learn Apache Tomcat 7 from scratch. There are plenty of illustrations and examples to escalate you from a novice to an expert with minimal strain. If you are a J2EE administrator, migration administrator, technical architect, or a project manager for a web hosting domain, and are interested in Apache Tomcat 7, then this book is for you. If you are someone responsible for installation, configuration, and management of Tomcat 7, then too, this book will be of help to you.
