

1. Record Nr.	UNINA9910728385403321
Autore	Spath Peter
Titolo	Pro Jakarta EE 10 [[electronic resource]] : Open Source Enterprise Java-based Cloud-native Applications Development // by Peter Späth
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2023
ISBN	9781484282144 9781484282137
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (484 pages)
Disciplina	060
Soggetti	Programming languages (Electronic computers) Compilers (Computer programs) Computer programming Internet programming Big data Programming Language Compilers and Interpreters Programming Techniques Web Development Big Data
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Part I: Development Workflow -- 1: Installing a Development Server -- 2: Creating and Building Projects With Eclipse -- 3: Development With NetBeans as IDE -- 4: Git and Subversion -- 5: Continuous Integration -- 6: Corporate Maven Repositories -- Part II: Advanced Web Tier Topics -- 7: Facelets -- 8: Faces Custom Components -- 9: Flows -- 10: Websockets -- 11: Frontend Technologies -- 12: Form-based Authentication -- 13: Client Certificates -- 14: REST Security -- 15: Java MVC -- Part III: Advanced Architecture-related Topics16: Microprofiles -- 17: Custom CDI -- 18: Interceptors -- 19: Bean Validation -- 20: Jakarta EE Concurrency -- 21: Batch Processing -- Part IV: Useful Supporting Technologies -- 22: XML Binding -- 23: JSON Handling -- 24: Jakarta Mail -- 25: Application Client (Groovy) -- 26:

Adding Scripting Languages -- Part V: Advanced Resources-related Topics -- 27: Hibernate as ORM -- 28: Connectors -- 29: Caching -- 30: NoSQL -- Part VI: Security Enhancements -- 31: Secured JMX -- 32: Java Web Tokens with Encryption -- 33: Java Enterprise Security -- Part VII: Advanced Monitoring and Logging -- 34: Monitoring Workflow -- 35: Logging Pipeline with Fluentd -- 36: Performance Troubleshooting -- 37: Garbage Collection -- 38: Memory Troubleshooting -- 39: Custom Log4j Appender.

Sommario/riassunto

Welcome to your in-depth professional guide to the open source Eclipse Jakarta EE 10 platform. This book will help you build more complex native enterprise Java-based cloud and other applications that can run in corporate and other mission-critical settings. The majority of the key Jakarta EE 10 APIs or features are dissected in this book, including JSF, JSP, JPA, CDI, REST, Microprofiles, WebSockets, and many more. Along the way, various open source Apache, Eclipse, and other projects are integrated and used for more complete workflows and treatment in general. Jakarta EE 10 comes with a significant number of improvements over Java EE 9 technologies and adopts a series of new technologies. This book starts out with a concise development procedure proposal and shows NetBeans as an alternative IDE to Eclipse. It also talks about versioning, software repositories, and continuous integration techniques. The web tier of enterprise application architectures is covered, including state-of-the-art techniques such as web sockets and front end (JavaScript) related frameworks. The book presents a survey of architecture-related advanced topics, including micro profiles. In a supporting technologies chapter, JSON and XML processing methods are revisited and deepened, and the usage of scripting engines is introduced. A resources chapter discusses enterprise resource integration, such as resource adapters and Hibernate as a mapper between the SQL and the Java world. Also covered is the usage of no-SQL databases. A security chapter shows advanced security enhancement techniques for use of Jakarta EE in corporate environments. The last chapter talks about advanced logging and monitoring techniques, serving both developers and operations staff. You will:

- Build complex Jakarta EE applications that run in corporate or other enterprise settings
- Create a professional development workflow using Jakarta EE
- Build more advanced web development applications
- Work with more advanced supporting technologies to increase application maturity and stability in a corporate environment
- Do enterprise resource integration, including custom resource adapters
- Utilize security enhancements of enterprise-level Jakarta EE applications
- Leverage techniques to monitor and log in a corporate environment, including memory usage and performance troubleshooting.
