



We monitor everything but...

New Relic.

Create Your Free Account

Learn about industry trends to help plan for tomorrow at MongoDB World



I Got 99 Problems, But the Cloud Ain't One...

Get DZone's Definitive Guide!

[Download Now](#) [Learn More](#)

BRAND NEW!



Regular Expressions

[Download](#)

FREE Cheat Sheets for Developers

- A simple way to stay on top of the newest technologies
- Written by industry experts
- 150+ cards with the latest topics, languages, and platforms
- Not a member? [Register Now!](#)

[KEYWORD](#) [TAGS](#)

Search In: Title Author Description

ID	D/L	Title	Downloads	Tags
1	Download	GWT Style, Configuration and JSNI Reference	26,839	Java JavaScript
2	Download	Getting Started with Ajax	88,484	HTML JavaScript Web Services/Servers
3	Download	Getting Started with Eclipse	63,617	ALM Eclipse IDE
4	Download	Spring Configuration	86,806	Java XML
5	Download	Windows PowerShell	60,351	.NET Windows
6	Download	Dependency Injection in EJB 3	40,624	Java Standards XML
7	Download	jQuery Selectors	77,262	CSS JavaScript
8	Download	Design Patterns	145,048	Architecture
9	Download	Flexible Rails: Flex 3 on Rails 2	13,426	Flex/ActionScript Ruby
10	Download	Silverlight 2	17,188	.NET C# Design/UX
11	Download	IntelliJ IDEA	18,481	ALM IDE
12	Download	Getting Started with GlassFish Application Server v3	17,316	Java Standards Web Services/Servers
13	Download	RSS and Atom	23,139	Content Management Web Services/Servers
14	Download	NetBeans IDE 7: Programming in Java 7	25,047	
15	Download	Groovy	36,389	
16	Download	C#	43,494	
17	Download	Very First Steps in Flex	25,947	
18	Download	Core .NET	30,674	
19	Download	Core CSS: Part I	75,847	
20	Download	Struts2	30,939	
21	Download	JavaServer Faces	39,737	
22	Download	Getting Started with JPA	43,999	
23	Download	PHP 5.4	11,093	
24	Download	Core Java	74,871	
25	Download	Core CSS: Part II	61,537	
26	Download	Spring Annotations	52,916	
27	Download	Getting Started with MyEclipse	17,245	
28	Download	JUnit and EasyMock	45,999	
29	Download	Essential Admin for MySQL 5.5	61,105	
30	Download	Essential Ruby	28,482	Ruby

Getting Started with JPA

Mike Keith (author of "Pro EJB 3: Java Persistence API")



[Download](#)

Java Persistence API (JPA), the Java programming language framework, is the standard for mapping Java objects to a relational database using Java SE and EE. This DZone Refcard will give users enough to understand the basics of JPA and get started writing JPA applications. It covers entities, identifiers, O-R mappings, using an entity manager, creating and executing queries, and configuration of the persistence.xml file. The Refcard also reviews Mapping an Object, Obtaining and Using an Entity Manager, Transactions, Querying, Hot Tips and more.

31	Download	Core Seam	17,295	Java Security XML
32	Download	Getting Started with Hibernate Search	30,816	Database Java Search
33	Download	Essential JSP Expression Language	29,279	Java Standards
34	Download	Core CSS: Part III	56,679	CSS
35	Download	Using XML in Java	44,513	Java XML
36	Download	Core Mule	13,466	Architecture Open Source SOA
37	Download	Getting Started with Equinox and OSGi	17,212	Architecture Eclipse Java
38	Download	SOA Patterns	43,262	Architecture SOA Web Services/Servers
39	Download	Essential EMF	14,448	Architecture Eclipse Java Other Languages XML
40	Download	Apache Tapestry 5.0	11,649	Design/UX Java Standards
41	Download	SOA Governance	17,079	SOA
42	Download	Seam UI	14,587	Design/UX Java Standards
43	Download	Scalability & High Availability	30,285	Architecture Big Data Database
44	Download	JBoss RichFaces	21,849	Java Standards XML
45	Download	Agile Adoption: Decreasing Time to Market	20,984	Agile/Methodologies ALM
46	Download	Core ASP.NET	21,854	.NET C#
47	Download	The Top Twelve Integration Patterns for Apache Camel	13,413	Architecture Java XML
48	Download	Flex & Spring Integration	16,848	Flex/ActionScript Java XML
49	Download	BIRT 3.7 Report Design: Eclipse-Based BI and Big Data Visualization	8,898	ALM Business Intelligence/Reporting Eclipse Java Big Data
50	Download	Scrum	55,047	Agile/Methodologies
51	Download	Effective Process Modeling with BPM & BPMN	22,360	Agile/Methodologies Other Languages
52	Download	IntelliJ IDEA: Updated for 8.1	9,918	IDE
53	Download	Getting Started with db4o: Persisting .NET Object Data	8,911	.NET Database
54	Download	Agile Adoption: Reducing Cost	22,944	Agile/Methodologies
55	Download	Apache Maven 2	47,897	ALM Java Open Source
56	Download	Getting Started with JavaFX	21,382	Java
57	Download	Getting Started with Spring-DM	21,648	Architecture Java
58	Download	JavaServer Faces 2.0	37,478	Java Standards
59	Download	Getting Started with Drupal 7	22,385	PHP Content Management Drupal
60	Download	Getting Started with Grails	20,319	Groovy
61	Download	Core Java Concurrency	70,885	Algorithms Java
62	Download	Getting Started with Eclipse RCP	18,703	Eclipse IDE
63	Download	Getting Started with Apache Wicket	16,864	Design/UX Java Open Source
64	Download	Core HTML	51,296	HTML
65	Download	ServiceMix 4.2: The Apache Open Source ESB	12,025	Architecture Open Source SOA Web Services/Servers
66	Download	Getting Started with ColdFusion 9	8,785	ColdFusion
67	Download	Getting Started with Selenium	22,635	ALM JavaScript Open Source
68	Download	Getting Started with Oracle Berkeley DB	11,031	Database NoSQL
69	Download	Getting Started with ASP.NET MVC 1.0	16,200	.NET
70	Download	Eclipse Plug-in Development	18,048	Eclipse
71	Download	Essential PostgreSQL	25,386	Database Open Source
72	Download	Getting Started with Windows Presentation Foundation	17,055	.NET Design/UX
73	Download	Getting Started with LiveCycle Data Services ES	8,503	Database E-Commerce Flex/ActionScript Java
74	Download	Agile Adoption: Improving Software Quality	28,125	Agile/Methodologies Architecture
75	Download	Getting Started with BlazeDS	10,965	Flex/ActionScript Java Web Services/Servers
76	Download	Getting Started with Domain-Driven Design	42,977	Agile/Methodologies Architecture
77	Download	Core WS-BPEL: Business Process Execution Language	14,071	Agile/Methodologies Other Languages Standards
		Getting Started with Virtualization		
78	Download		21,183	.NET Virtualization
79	Download	Google App Engine for Java	33,115	Cloud Java
80	Download	NetBeans Platform 7.0: A Framework for Building Pluggable Enterprise Applications	15,257	IDE Java
81	Download	Essential F#	14,640	.NET Other Languages
82	Download	Getting Started with Cloud Computing	36,821	Cloud
83	Download	Contexts and Dependency Injection for the Java EE Platform	26,304	Java Standards
84	Download	Continuous Integration: Patterns and Anti-Patterns	20,100	(...)

Online Visitors: 416

84	Download	Continuous integration: Patterns and Anti-patterns	38,139	ALM
85	Download	Vaadin: A Familiar Way to Build Web Apps with Java	26,916	Design/UX Java JavaScript
86	Download	Spring Web Flow	27,019	Design/UX E-Commerce IDE Java
87	Download	Continuous Integration: Servers and Tools	24,235	ALM Open Source
88	Download	Getting Started with Caucho Resin	6,592	Java Standards Web Services/Servers
89	Download	Getting Started with the Zend Framework	13,737	IDE Open Source PHP
90	Download	Getting Started with Adobe ColdFusion Builder	4,944	ColdFusion IDE
91	Download	Getting Started with Adobe Flash Builder 4	9,333	Flex/ActionScript IDE
92	Download	Getting Started with Silverlight and Expression Blend	13,587	.NET C# Design/UX IDE
93	Download	Getting Started with Lean Software Development	21,789	Agile/Methodologies
94	Download	Getting Started with Git	72,063	ALM Open Source
95	Download	Getting Started with Java GUI Development	41,459	Design/UX Java
96	Download	Getting Started with PHP and Flex	5,216	Flex/ActionScript PHP
97	Download	Getting Started with JBoss Enterprise Application Platform 5	19,415	ALM Java Standards
98	Download	Getting Started with Maven Repository Management	28,315	ALM Java
99	Download	Getting Started with Java EE Security	27,443	Java Security Standards
100	Download	Getting Started with Fitnesses	13,236	ALM
101	Download	JDBC Best Practices	35,406	Architecture Database Java Standards
102	Download	Flex 4 and Spring 3 Integration	17,788	Flex/ActionScript Java Web Services/Servers XML
103	Download	Leveraging ColdFusion 9 Exposed Services from Java	4,964	ColdFusion Java Web Services/Servers
104	Download	Getting Started with Apache Ant	25,068	ALM Java Open Source XML
105	Download	Getting Started with NoSQL and Data Scalability	29,619	Big Data Database NoSQL
106	Download	Expression-Based Authorization with Spring Security 3	19,131	Java Security XML
107	Download	Getting Started with Griffon	9,559	Groovy Open Source
108	Download	Getting Started with Firebug 1.5	27,406	ALM CSS HTML JavaScript
109	Download	Getting Started with Kanban for Software Development	24,801	Agile/Methodologies
110	Download	Objective-C for the iPhone and iPad	26,390	C/C++ iOS
111	Download	Getting Started with Windows Communication Foundation 4.0	18,505	.NET Web Services/Servers
112	Download	Getting Started with UML	52,019	ALM Architecture Open Source
113	Download	Getting Started with Adobe Flash Catalyst	6,223	Design/UX Flex/ActionScript
114	Download	Application Prototyping with SketchFlow	19,552	.NET ALM Design/UX
115	Download	Getting Started with Infinispan	10,304	Database Java NoSQL Open Source XML
116	Download	Adobe ColdFusion Web Services for PHP Programmers	5,508	ColdFusion PHP Web Services/Servers
117	Download	Getting Started with Apache Hadoop	24,142	Architecture Big Data Database Open Source
118	Download	Getting Started with Visual Studio 2010	21,924	.NET C# IDE
119	Download	Getting Started with Application Lifecycle Management	25,627	ALM
120	Download	Apache Solr: Getting Optimal Search Results	21,275	Algorithms Search Web Services/Servers XML
121	Download	Open Source Media Framework: Building Simple Custom Video Players	9,286	Design/UX Flex/ActionScript Video/Animation
122	Download	Functional Programming with Clojure: Simple Concurrency on the JVM	13,909	Clojure Java
123	Download	HTML5: New Standards for Web Interactivity	58,853	HTML Standards
124	Download	PHPUnit: PHP Test-Driven Development - Automated Tools to Improve Your PHP Code Quality	13,412	ALM PHP
125	Download	Selenium 2.0: Using the WebDriver API to Create Robust User Acceptance Tests	19,015	ALM JavaScript Open Source
126	Download	Liferay Essentials: A Definitive Guide for Enterprise Portal Development	17,112	Content Management Design/UX Java
127	Download	Developing a Silverlight Application for Windows Phone 7	8,650	.NET Windows Phone
128	Download	What's New in JPA 2.0	24,139	Database Java Standards
129	Download	REST: Foundations of RESTful Architecture	47,687	Standards Web Services/Servers
130	Download	Designing Quality Software: Architectural and Technical Best Practices	36,150	Architecture
131	Download	ADO.NET Entity Framework: Object-Relational Mapping and Data Access	14,328	.NET Database IDE
132	Download	Mastering Portals with a Portlet Bridge	9,339	Architecture Content Management Design/UX Java Standards
133	Download	Apache Hadoop Deployment: A Blueprint for Reliable Distributed Computing	16,145	Algorithms Architecture Big Data Database Open Source
134	Download	Cloud Computing with Windows Azure Platform	11,634	.NET Cloud Windows
135	Download	The MVVM Design Pattern: A Formula for Elegant, Maintainable Mobile Apps	18,873	.NET Architecture Windows Phone

136	Download	WebMatrix: Advanced Web Development Made Simple	13,093	Windows
137	Download	Understanding Lucene: Powering Better Search Results	16,643	Algorithms Java Search XML
138	Download	RichFaces 4.0: A Next Generation JSF Framework	16,043	
139	Download	Spring Roo: Making Java Fun Again	22,743	IDE Java
140	Download	Mule 3.3: Simplifying SOA	9,296	SOA Open Source Web Services/Servers
141	Download	Node.js: Building for Scalability with Server-Side JavaScript	22,862	JavaScript Open Source
142	Download	Adobe Flash Builder 4.5: Develop for Web, Desktop and Mobile	9,756	Flex/ActionScript IDE
143	Download	ColdFusion Builder 2: Faster Coding, Less Errors	3,749	ColdFusion IDE
144	Download	EclipseLink JPA: An Advanced ORM Persistence Framework	16,935	Database Eclipse Java
145	Download	Continuous Delivery: Patterns and Antipatterns in the Software Lifecycle	31,215	Agile/Methodologies ALM DevOps
146	Download	Flex Mobile Development: Build Apps for Android, iOS, and BlackBerry Tablet OS	13,208	Android Flex/ActionScript IDE iOS
147	Download	Eclipse Tools for Spring: The SpringSource Tool Suite	22,017	Eclipse IDE Java
148	Download	Mastering Portal UI Development With Vaadin and Liferay	13,196	Content Management Design/UX Java
149	Download	Chef: An Open Source Tool for Scalable Cloud and Data Center Automation	11,822	
150	Download	Java Enterprise Edition 6: The Most Elegant Enterprise Java yet	27,417	Java
151	Download	HTML5 Canvas: A Web Standard for Dynamic Graphics	30,856	HTML Standards JavaScript
152	Download	HTML5 WebSocket: Full-duplex Real-time Web Communication	24,182	HTML Standards JavaScript
153	Download	Apache Cassandra: A Fault-Tolerant, Massively Scalable NoSQL Database	14,795	Database NoSQL
154	Download	Jetty: A Lightweight, Open-Source Web Server and Servlet Container	14,470	Java Web Services/Servers
155	Download	Mockito: A Simple, Intuitive Mocking Framework	21,818	Java Agile/Methodologies
156	Download	JavaFX 2.0: A Rich Client Platform for Java	11,498	Java Design/UX
157	Download	Database Partitioning with MySQL: Improving Performance, Availability, and Manageability	11,854	Database Open Source
158	Download	Big Data Machine Learning: Patterns for Predictive Analytics	16,112	Algorithms Database Big Data
159	Download	Apache HBase: The NoSQL Database for Hadoop and Big Data	9,440	Database Big Data
160	Download	Data Warehousing: Best Practices for Collecting, Storing, and Delivering Decision-Support Data	10,054	Database Big Data Business Intelligence/Reporting
161	Download	Jenkins on PaaS: Continuous Integration with Jenkins for Java Projects	10,463	CI Open Source Java
162	Download	Java Profiling with VisualVM: X-Ray Vision for Dramatic Performance Gains	14,275	Java
163	Download	Code Gems for Android Developers: Working with the World's Most Popular Mobile OS	15,931	Java Android
164	Download	Scala: The Scalable JVM Language	14,925	JVM Java Scala
165	Download	Deployment Automation Patterns	18,976	Agile/Methodologies ALM DevOps
166	Download	Patterns of Modular Architecture	22,088	Architecture Java Eclipse
167	Download	Software Configuration Management Patterns	13,794	Architecture Agile
168	Download	Refactoring Patterns	19,003	Architecture Java
169	Download	Essential Apache HTTP Server	17,817	Web Services/Servers LAMP
170	Download	Camel Essential Components	8,678	Architecture Java XML
171	Download	MongoDB: Flexible NoSQL for Humongous Data	14,624	Architecture NoSQL Database
172	Download	HTTP: The Hypertext Transfer Protocol	23,087	Web Services/Servers Standards
173	Download	Core JSON: The Fat Free Alternative to XML	26,048	JavaScript
174	Download	Object-Oriented JavaScript: Advanced Techniques for Serious Web Applications	25,483	JavaScript
175	Download	Core Dart: The Next-Generation Client-Side Web Programming Language	8,965	JavaScript
176	Download	Essential Couchbase APIs: Open Source NoSQL Data Access from Java, Ruby, and .NET	6,266	Database Java .NET Ruby
177	Download	HTML5 Web Workers: Multithreaded JavaScript for High-Performance Web Applications	15,109	HTML Javascript Architecture
178	Download	Git Patterns and Anti-Patterns: Scaling from Workgroup to Enterprise	15,658	ALM Open Source
179	Download	Sencha Touch	7,849	HTML JavaScript Android
180	Download	Preparing for Continuous Delivery	10,014	Agile/Methodologies ALM DevOps
181	Download	Binary Repository Management: Patterns for Performance, Security, and Traceability	6,780	DevOps ALM
182	Download	Practical DNS: Managing Domains for Safety, Reliability, and Speed	10,387	DevOps ALM
183	Download	Data Mining: Discovering and Visualizing Patterns with Python	10,593	Database Python Architecture Big Data
184	Download	Core Spring Data	11,030	Database Java Architecture NoSQL
185	Download	Getting Started with Subversion	10,301	ALM Open Source

185	Download Getting Started with Subversion	10,001	HTML Open Source
186	Download HTML5 Mobile Development	14,213	HTML HTML5
187	Download Spring Batch	8,095	Spring Java Architecture framework
188	Download Business Rules Management with Drools	6,933	Java BPM
189	Download Core C++	10,513	C++ Core
190	Download Essential PostGIS	3,107	PostGIS Geodata
191	Download Getting Started with PhoneGap	7,555	Mobile HTML5 PhoneGap
192	Download CSS3: Basics	13,229	CSS CSS3 Web Design
193	Download Core Python	11,145	Python Core
194	Download Search Patterns	9,589	Search Patterns
195	Download HTML5 IndexedDB	8,101	HTML5 Database
196	Download Regular Expressions	14,991	Algorithms Patterns Search

DZone

- [Refcardz](#)
- [Tech Library](#)
- [Snippets](#)
- [About DZone](#)
- [Tools & Buttons](#)
- [Book Reviews](#)
- [IT Questions](#)
- [My Profile](#)
- [Advertise](#)
- [Send Feedback](#)

Topics

- [HTML5](#)
- [Cloud](#)
- [.NET](#)
- [PHP](#)
- [Performance](#)
- [Agile](#)

- [Windows Phone](#)
- [Mobile](#)
- [Java](#)
- [Eclipse](#)
- [Big Data](#)
- [DevOps](#)

Follow Us

- [RSS](#)
- [Google +](#)
- [Facebook](#)
- [LinkedIn](#)
- [Twitter](#)

"Starting from scratch" is seductive but disease ridden
 -Pithy Advice for Programmers