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Descrizione fisica	1 online resource (393 p.)
Collana	The expert's voice in databases Practical Neo4j
Disciplina	004 005.74
Soggetti	Computer programming Application software Database management Web Development Computer Appl. in Administrative Data Processing Database Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	<p>           ""Contents at a Glance""; ""Contents""; ""Foreword""; ""About the Author""; ""About the Technical Reviewers""; ""Acknowledgments""; ""Part 1: Getting Started""; ""Chapter 1: Introduction to Graphs""; ""Graph Theory""; ""Graph Databases""; ""Nodes and Relationships""; ""Labels""; ""Traversal""; ""Indexes""; ""Relational Databases and Neo4j""; ""NoSQL and Neo4j""; ""Summary""; ""Chapter 2: Up and Running with Neo4j""; ""Neo4j""; ""Requirements and Installation""; ""Requirements""; ""Versions""; ""Java""; ""Installation""; ""Windows""; ""Linux/Unix""; ""Mac OSX""; ""The Neo4j Browser""         </p> <p>           ""Introducing Cypher""""Create""; ""Start""; ""Match""; ""Set""; ""Summary""; ""Part 2: Managing Your Data with Neo4j""; ""Chapter 3: Modeling""; ""Data Modeling""; ""Data Modeling Overview""; ""Why Is Data Modeling Important?""; ""Data Model Components""; ""Entity-Relationship Model""; ""Entities""; ""Relationships""; ""Attributes""; ""Challenges in Using Entity-Relationship Modeling with Neo4j""; ""Modeling with Neo4j""; ""Modeling Relationships""; ""Modeling Constraints""; ""Modeling Use Cases""; ""Social Graph""; ""Interest Graph""; ""Consumption Graph""; ""Location Graph""         </p>

""Intent Graph""""Summary""; ""Chapter 4: Querying""; ""Cypher Basics""; ""Transactions""; ""Compatibility""; ""SQL to Cypher""; ""INSERT and CREATE""; ""SELECT and START / MATCH""; ""UPDATE and SET""; ""DELETE""; ""Cypher Clauses""; ""Return""; ""WITH, ORDER BY, SKIP, and LIMIT""; ""Using""; ""Reading""; ""Match""; ""Optional Match""; ""Where""; ""Start""; ""Writing""; ""SET""; ""REMOVE""; ""Summary""; ""Chapter 5: Importing from Another Data Source""; ""Examples""; ""Test Data with Cypher""; ""Test Data with Load CSV""; ""Creating a Unique Index""; ""Creating Relationships""  
""Loading the Relationships""""Adding the Content Using a Linked List""; ""Loading the 'Current' Status""; ""Loading the 'NEXT' Status""; ""Adding User Favorites""; ""Summary""; ""Chapter 6: Extending Neo4j""; ""Plugin Development Environment for Neo4j""; ""IDE""; ""Maven Plugin""; ""Installing the SLF4J Plugin""; ""Installing the Maven Plugin""; ""Setting Up Maven Projects""; ""Neo4j Server Plugins""; ""Security Plugins""; ""Unmanaged Extensions""; ""Summary""; ""Part 3: Developing with Neo4j""; ""Chapter 7: Neo4j + .NET""; "" .NET and Neo4j Development Environment""  
""Installing Visual Studio Express for Web""""Adding the Project to Visual Studio""; ""Neo4jClient""; ""Managing Nodes and Relationships""; ""Creating a Node""; ""Retrieving and Updating a Node""; ""Removing a Node""; ""Creating a Relationship""; ""Retrieving Relationships""; ""Deleting a Relationship""; ""Using Labels""; ""Adding a Label to Nodes""; ""Removing a Label""; ""Debugging""; ""Developing a .NET Neo4j Application""; ""Preparing the Graph""; ""Using the Sample Application""; "" .NET Application Configuration""; ""Neo4jModule and Ninject""; ""Controller and Service Layers""  
""Social Graph Model""

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## Sommario/riassunto

Why have developers at places like Facebook and Twitter increasingly turned to graph databases to manage their highly connected big data? The short answer is that graphs offer superior speed and flexibility to get the job done. It's time you added skills in graph databases to your toolkit. In Practical Neo4j, database expert Greg Jordan guides you through the background and basics of graph databases and gets you quickly up and running with Neo4j, the most prominent graph database on the market today. Jordan walks you through the data modeling stages for projects such as social networks, recommendation engines, and geo-based applications. The book also dives into the configuration steps as well as the language options used to create your Neo4j-backed applications. Neo4j runs some of the largest connected datasets in the world, and developing with it offers you a fast, proven NoSQL database option. Besides those working for social media, database, and networking companies of all sizes, academics and researchers will find Neo4j a powerful research tool that can help connect large sets of diverse data and provide insights that would otherwise remain hidden. Using Practical Neo4j, you will learn how to harness that power and create elegant solutions that address complex data problems. This book: Explains the basics of graph databases Demonstrates how to configure and maintain Neo4j Shows how to import data into Neo4j from a variety of sources Provides a working example of a Neo4j-based application using an array of language of options including Java, .Net, PHP, Python, Spring, and Ruby As you'll discover, Neo4j offers a blend of simplicity and speed while allowing data relationships to maintain first-class status. That's one reason among many that such a wide range of industries and fields have turned to graph databases to analyze deep, dense relationships. After reading this book, you'll have a potent, elegant tool you can use to develop projects profitably and improve your career options.

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