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   Titolo   Programming quick start guide : effective database programming and
                        interaction / / Luca Ferrari

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   Edizione   [1st edition]

   Descrizione fisica   1 online resource (260 pages)

   Disciplina   005.74

   Soggetti   SQL (Computer program language)
                        Database design

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Sommario/riassunto   Extend PostgreSQL using PostgreSQL server programming to create,
                        test, debug, and optimize a range of user-defined functions in your
                        favorite programming language Key Features Learn the concepts of
                        PostgreSQL 11 with lots of real-world datasets and examples Learn
                        queries, data replication, and database performance Extend the
                        functionalities of your PostgreSQL instance to suit your organizational
                        needs Book Description PostgreSQL is a rock-solid, scalable, and safe
                        enterprise-level relational database. With a broad range of features and
                        stability, it is ever increasing in popularity.This book shows you how to
                        take advantage of PostgreSQL 11 features for server-side
                        programming. Server-side programming enables strong data
                        encapsulation and coherence. The book begins with the importance of
                        server-side programming and explains the risks of leaving all the
                        checks outside the database. To build your capabilities further, you will
                        learn how to write stored procedures, both functions and the new
                        PostgreSQL 11 procedures, and create triggers to perform
                        encapsulation and maintain data consistency. You will also learn how to
                        produce extensions, the easiest way to package your programs for easy
                        and solid deployment on different PostgreSQL installations. What you
                        will learn Explore data encapsulation Write stored procedures in
                        different languages Interact with transactions from within a function

Get to grips with triggers and rules Create and manage custom data types Create extensions to package code and data Implement background workers and Inter-Process Communication (IPC) How to deal with foreign languages, in particular Java and Perl Who this book is for This book is for database administrators, data engineers, and database engineers who want to implement advanced functionalities and master complex administrative tasks with PostgreSQL 11.