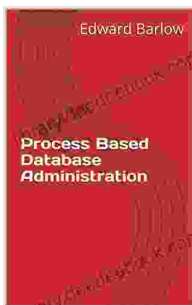# Agile and Other Best Practices for Database Management

In the past, database management was often seen as a separate and distinct discipline from software development. However, in recent years, there has been a growing convergence between the two disciplines, as organizations have realized the benefits of using agile and other best practices for database management.

Process Based Database Administration: Agile and Other Best Practices for Database Management

by Massimiliano Salerno

★★★★★ 5 out of 5

Language	: English
File size	: 13793 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 416 pages
Lending	: Enabled
Paperback	: 124 pages
Item Weight	: 4.6 ounces
Dimensions	: 5 x 0.27 x 8 inches

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Agile is a software development methodology that emphasizes collaboration, flexibility, and continuous improvement. Agile teams typically work in short sprints, and they are constantly iterating on their work based on feedback from users and stakeholders.

Agile principles can be applied to database management in a number of ways. For example, agile teams can use continuous integration and delivery (CI/CD) to automate the process of building, testing, and deploying database changes. CI/CD can help to improve the quality and reliability of database deployments, and it can also reduce the risk of errors.

Another best practice for database management is test-driven development (TDD). TDD is a software development technique in which developers write tests before they write code. TDD can help to ensure that the database is working as expected, and it can also help to identify and fix errors early on.
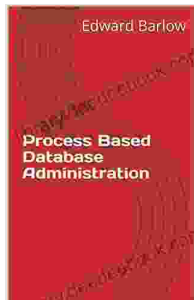
In addition to agile and other best practices, there are a number of other tools and techniques that can help organizations to improve their database management practices. These tools and techniques include:

- Database version control

- Database monitoring

- Data profiling

- Data masking

By using agile and other best practices, organizations can improve the quality, reliability, and performance of their databases. Agile practices can help to reduce the risk of errors, improve collaboration between developers and database administrators, and speed up the process of database development and deployment.

Agile and other best practices can help organizations to improve their database management practices. By adopting these practices,

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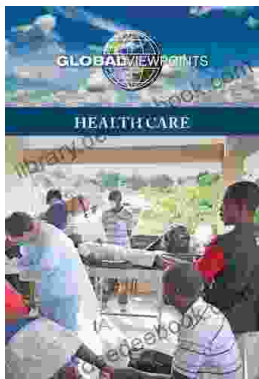
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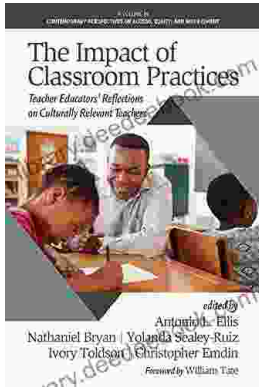
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