Cloud Data Management

Liang Zhao, Sherif Sakr, Anna Liu, Athman Bouguettaya

[Download now]

[Click here] if your download doesn"t start automatically

Cloud Data Management

Liang Zhao, Sherif Sakr, Anna Liu, Athman Bouguettaya

Cloud Data Management Liang Zhao, Sherif Sakr, Anna Liu, Athman Bouguettaya

In practice, the design and architecture of a cloud varies among cloud providers. We present a generic evaluation framework for the performance, availability and reliability characteristics of various cloud platforms. We describe a generic benchmark architecture for cloud databases, specifically NoSQL database as a service. It measures the performance of replication delay and monetary cost.

Service Level Agreements (SLA) represent the contract which captures the agreed upon guarantees between a service provider and its customers. The specifications of existing service level agreements (SLA) for cloud services are not designed to flexibly handle even relatively straightforward performance and technical requirements of consumer applications. We present a novel approach for SLA-based management of cloud-hosted databases from the consumer perspective and an end-to-end framework for consumer-centric SLA management of cloud-hosted databases. The framework facilitates adaptive and dynamic provisioning of the database tier of the software applications based on application-defined policies for satisfying their own SLA performance requirements, avoiding the cost of any SLA violation and controlling the monetary cost of the allocated computing resources. In this framework, the SLA of the consumer applications are declaratively defined in terms of goals which are subjected to a number of constraints that are specific to the application requirements. The framework continuously monitors the application-defined SLA and automatically triggers the execution of necessary corrective actions (scaling out/in the database tier) when required. The framework is database platform-agnostic, uses virtualization-based database replication mechanisms and requires zero source code changes of the cloud-hosted software applications.

 Download Cloud Data Management ...pdf

 Read Online Cloud Data Management ...pdf

Download and Read Free Online Cloud Data Management Liang Zhao, Sherif Sakr, Anna Liu, Athman Bouguettaya

---

From reader reviews:

Judy Chisolm:

What do you think about book? It is just for students because they are still students or the idea for all people in the world, what the best subject for that? Merely you can be answered for that issue above. Every person has distinct personality and hobby per other. Don't to be forced someone or something that they don't need do that. You must know how great as well as important the book Cloud Data Management. All type of book are you able to see on many options. You can look for the internet solutions or other social media.

Maurice Lamothe:

This book untitled Cloud Data Management to be one of several books that best seller in this year, here is because when you read this reserve you can get a lot of benefit into it. You will easily to buy this specific book in the book retail outlet or you can order it via online. The publisher of the book sells the e-book too. It makes you more readily to read this book, since you can read this book in your Mobile phone. So there is no reason for your requirements to past this book from your list.

Doris Cobb:

The book Cloud Data Management will bring someone to the new experience of reading a new book. The author style to explain the idea is very unique. In the event you try to find new book to see, this book very acceptable to you. The book Cloud Data Management is much recommended to you to learn. You can also get the e-book in the official web site, so you can more easily to read the book.

Barbara Guevara:

Reading a book to become new life style in this year; every people loves to read a book. When you study a book you can get a large amount of benefit. When you read guides, you can improve your knowledge, because book has a lot of information in it. The information that you will get depend on what forms of book that you have read. If you would like get information about your study, you can read education books, but if you act like you want to entertain yourself look for a fiction books, this kind of us novel, comics, along with soon. The Cloud Data Management offer you a new experience in looking at a book.

Download and Read Online Cloud Data Management Liang Zhao, Sherif Sakr, Anna Liu, Athman Bouguettaya #XQI5Z3M7VTF

Read Cloud Data Management by Liang Zhao, Sherif Sakr, Anna Liu, Athman Bouguettaya for online ebook

Cloud Data Management by Liang Zhao, Sherif Sakr, Anna Liu, Athman Bouguettaya Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Cloud Data Management by Liang Zhao, Sherif Sakr, Anna Liu, Athman Bouguettaya books to read online.

Online Cloud Data Management by Liang Zhao, Sherif Sakr, Anna Liu, Athman Bouguettaya ebook PDF download

Cloud Data Management by Liang Zhao, Sherif Sakr, Anna Liu, Athman Bouguettaya Doc

Cloud Data Management by Liang Zhao, Sherif Sakr, Anna Liu, Athman Bouguettaya Mobipocket

Cloud Data Management by Liang Zhao, Sherif Sakr, Anna Liu, Athman Bouguettaya EPub