



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:

Michael Battle:

In this 21st hundred years, people become competitive in every way. By being competitive currently, people have do something to make them survives, being in the middle of often the crowded place and notice by means of surrounding. One thing that at times many people have underestimated the item for a while is reading. That's why, by reading a publication your ability to survive boost then having chance to stay than other is high. For you personally who want to start reading any book, we give you that Cloud Data Management book as nice and daily reading e-book. Why, because this book is more than just a book.

Robert Mundo:

Reading a e-book can be one of a lot of exercise that everyone in the world likes. Do you like reading book thus. There are a lot of reasons why people love it. First reading a publication will give you a lot of new facts. When you read a publication you will get new information simply because book is one of many ways to share the information or maybe their idea. Second, reading a book will make anyone more imaginative. When you examining a book especially hype book the author will bring you to imagine the story how the people do it anything. Third, it is possible to share your knowledge to others. When you read this Cloud Data Management, you can tells your family, friends as well as soon about yours reserve. Your knowledge can inspire different ones, make them reading a book.

Edward Vogler:

Do you have something that you like such as book? The guide lovers usually prefer to select book like comic, brief story and the biggest the first is novel. Now, why not trying Cloud Data Management that give your entertainment preference will be satisfied by means of reading this book. Reading practice all over the world can be said as the opportunity for people to know world considerably better then how they react toward the world. It can't be claimed constantly that reading addiction only for the geeky person but for all of you who wants to always be success person. So , for all of you who want to start reading through as your good habit, it is possible to pick Cloud Data Management become your starter.

William Sam:

With this era which is the greater man or woman or who has ability in doing something more are more treasured than other. Do you want to become one among it? It is just simple strategy to have that. What you have to do is just spending your time not much but quite enough to have a look at some books. One of the books in the top record in your reading list is definitely Cloud Data Management. This book which is qualified as The Hungry Hillside can get you closer in turning out to be precious person. By looking way up and review this publication you can get many advantages.

**Download and Read Online Cloud Data Management Liang Zhao,
Sherif Sakr, Anna Liu, Athman Bouguettaya #9Q8XBGTWIFP**

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