Abstract
Bigtable is a storage model designed for handling massive amount of data mainly over distributed systems. It stores data in tabular format but it is not a relational database. It is the proprietary system of Google Inc. It is fault tolerant, persistent and highly scalable. It is written in java, python, go and ruby. It has been at the heart of many google systems including google web search, gmail etc. In this paper the basic data model of the Bigtable is explained along with some concepts related to Bitable.

References

- Mike Burrows, The Chubby lock service for loosely-coupled distributed systems (OSDI 06).
- Fay Chang, Jeffrey Dean, Sanjay Ghemawat, Wilson C Hsieh, Deborah A. Wallach Mike Burrows, Tushar Chandra, Andrew Fikes, Robert E. Gruber, Bigtable: A Distributed Storage System for Structured Data (OSDI 06).
- Official documentation of Google cloud Bigtable: https://cloud.google.com/bigtable/docs
- Google I/O 2009 – Mercurial on Bigtable  https://www.youtube.com/watch?v=ri796Hx8las
- Google I/O 2008, Underneath the Covers at Google: Current Systems and Future Directions Jeff Dean (Google), https://www.youtube.com/watch?v=qsan-GQAeyk
- stackoverflow.com/questions/2576012/what-is-an-sstable
- Whitchcock, Andrew, Google’s Bigtable:http://andrewhitchcock.org/?post=214
- Bill howe on Bigtable at the University of Washington https://class.coursera.org/datasci-002/lecture/107
- https://en.wikipedia.org/wiki/Bigtable#cite_ref-o.27reilly_12-0
- http://www.slideshare.net/zafargilani/bigtable-15039321?qid=b7358981-5dfe-4a59-a9a29-d933d0da9a46&v=qf1&b=&fr om_search=11

Index Terms

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Databases
Keywords

Big Data  Bigtable  Distributed Storage System.