

HBase Recipes

HBase is an open source, non-relational, distributed database modeled after Google's BigTable and written in Java. It is built to deliver a fault tolerant way of storing large quantities of sparse data. HBase features compression, in-memory operation, and Bloom filters on a per-column basis as outlined in the original BigTable paper. Tables in HBase can serve as the input and output for MapReduce jobs run in Hadoop, and may be accessed through the Java API but also through REST, Avro or Thrift gateway APIs. For building a high performance, scalable and dependable application around HBase, it demands a good understanding of and practice with its fundamentals and various moving parts. HBase Recipes is a unique book, utilizing a problem-solution format that gives the required practical experience with columnar databases, distributed file systems, distributed HBase, ZooKeeper and HBase, configuring, scaling, monitoring, tuning and examples of building applications with all this knowledge. This book presents pragmatic code 'recipes' for preparing to accomplish particular, specific tasks. All the topics have been arranged in general sections according to subject matter, so you'll be able to quickly get up to speed and become productive on topics and problem solutions of interest to you with virtually no trouble at all. For each topic, the problem is carefully defined and a solution is provided in depth and thoroughly explained so that you understand the core details of the solution and can apply them to your own problem or code any time you come across a similar issue. This code recipes book assumes you have a great interest in learning about the columnar database, HBase in particular and want to architecture applications around it. A basic understanding of databases, programming languages and scalable systems would help connecting the dots. If you are using HBase or considering using it, then this book would provide most of the problem solutions or issues you are likely to encounter.

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