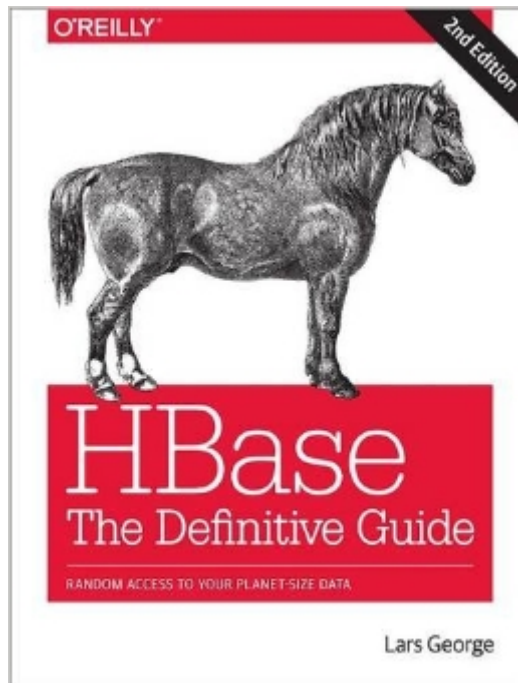# HBase: The Definitive Guide

Synopsis

If youâ ™re looking for a scalable storage solution to accommodate a virtually endless amount of data, this updated edition shows you how Apache HBase can meet your needs. Modeled after Googleâ ™s BigTable architecture, HBase scales to billions of rows and millions of columns, while ensuring that write and read performance remain constant.Fully revised for HBase 1.0, this second edition brings you up to speed on the new HBase client API, as well as security features and new case studies that demonstrate HBase use in the real world. Whether you just started to evaluate this non-relational database, or plan to put it into practice right away, this book has your back.Launch into basic, advanced, and administrative features of HBaseâ ™s new client-facing APIUse new classes to integrate HBase with Hadoopâ ™s MapReduce frameworkExplore HBaseâ ™s architecture, including the storage format, write-ahead log, and background processesDive into advanced usage, such extended client and server optionsLearn cluster sizing, tuning, and monitoring best practicesDesign schemas, copy tables, import bulk data, decommission nodes, and other tasksGo deeper into HBase security, including Kerberos and encryption at rest

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