

NoSQL DEFINITION:Next Generation Databases mostly addressing some of the points: being non-relational, distributed, open-source and horizontally scalable.

The original intention has been **modern web-scale databases**. The movement began early 2009 and is growing rapidly. Often more characteristics apply such as: **schema-free, easy replication support, simple API, eventually consistent / BASE (not ACID), a huge amount of data** and more. So the misleading term "*nosql*" (the community now translates it mostly with "**not only sql**") should be seen as an alias to something like the definition above. [based on 7 sources, 15 constructive feedback emails (thanks!) and 1 disliking comment . Agree / Disagree? [Tell](#) me so! By the way: this is a strong definition and it is out there here since 2009!]

LIST OF NOSQL DATABASES [currently >225]

Core NoSQL Systems: [Mostly originated out of a Web 2.0 need]

Wide Column Store / Column Families

Hadoop / HBase API: Java / any writer, Protocol: **any write call**, Query Method: **MapReduce Java / any exec**, Replication: **HDFS Replication**, Written in: **Java**, Concurrency: ?, Misc: **Links**: 3 Books [\[1, 2, 3\]](#)

MapR, Hortonworks, Cloudera Hadoop Distribution and professional services .

Cassandra massively scalable, partitioned row store, masterless architecture, linear scale performance, no single points of failure, read/write support across multiple data centers & cloud availability zones. API / Query Method: **CQL and Thrift**, replication: **peer-to-peer**, written in: **Java**, Concurrency: **tunable consistency**, Misc: built-in data compression, MapReduce support, primary/secondary indexes, security features. Links: [Documentation](#), [PlanetC*](#), [Company](#).

Scylla Cassandra-compatible column store, with consistent low latency and more transactions per second. Designed with a thread-per-core model to maximize performance on modern multicore

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- 26 Sept **Big Data Guide Event Frankfurt** »



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