Abstract

Relational databases are providing storage for several decades now. The term NoSQL broadly covers all non-relational databases that provide scalable and schema-less model. NoSQL databases are used by major organizations operating in the era of Web 2.0. Different categories of NoSQL databases are key-value pair, document, column-oriented and graph databases which enable programmers to visualize the data closer to the format used in their application. In this paper, class diagram has been merged with OrientDB through Java API to visualize the class diagram as OrientDB graph. OrientDB is the only database which supports both graph and document database, also provides support for both inheritance and polymorphism.

References

2. C Snijders, U Matza, UD Reips (2012). "Big Data: Big gaps of knowledge in the field of
Internet". International Journal of Internet Science 7: 1–5
3. Leavitt, Neal. "Will NoSQL Databases Live Up to Their Promise?". IEEE, 2010
11. RDBMS dominate the database market, but NoSQL systems are catching up". [Online]DB-Engines.com, 2013

Index Terms

Computer Science

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OrientDB, NoSQL, Class Diagram.