Visualizing Class Diagram using OrientDB NOSQL Data – Store

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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.

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**Index Terms**

Computer Science Circuits and Systems

**Keywords**

OrientDB, NoSQL, Class Diagram.