

## REFERENCE

- Abramova, V., Bernardino, J., & Furtado, P. (2014). Experimental Evaluation of NoSQL Databases. *International Journal of Database Management Systems*, 6(3), 01-16. doi:10.5121/ijdms.2014.6301
- Anadiotis, G. (2018). *Sparkier, faster, more: Graph databases, and Neo4j, are moving on ZDNet*. [online] ZDNet. Available at: <http://www.zdnet.com/article/sparkier-faster-more-graph-databases-and-neo4j-moving-on/> [Accessed 1 Mar. 2018].
- Al-Saeedi, B. (DEPARTMENT O. I. and MÜNCHEN), T. U. (2016) 'Department of informatics', *Factors influencing the database selection for B2C web applications*.
- Ataky, S. *et al.* (2015) 'EVALUATION OF GRAPH DATABASES PERFORMANCE THROUGH INDEXING', 6(5), pp. 87–98.
- A Query on Indexes to EWS Literature. (1964). IEEE Transactions on Engineering Writing and Speech, 7(1), pp.40-40
- Bilal, A. and Khalid, M. (2017) 'Graph databases and orientdb', pp. 2015–2017. Available at: [http://cs.ulb.ac.be/public/\\_media/teaching/infoh415/student\\_projects/orientdb.pdf](http://cs.ulb.ac.be/public/_media/teaching/infoh415/student_projects/orientdb.pdf).
- B. Klimmt, Y. Yang. Introducing the Enron corpus. CEAS conference, 2004.
- Mahesh L. (2015). Neo4j Graph Data Modeling. Packet Publishing Ltd. Livery Place. 35 Livery Street . Birmingham.
- Dzhakishev, D. (2014) *NoSQL Databases in the Enterprise*. University of Oslo.
- Dzone.com. (2018). *MySQL vs. Neo4j on a Large-Scale Graph Traversal - DZone Database*. [online] Available at: <https://dzone.com/articles/mysql-vs-neo4j-large-scale> [Accessed 1 Mar. 2018].
- Db-engines.com. (2018). *DB-Engines Ranking - popularity ranking of graph DBMS*. [online] Available at: <https://db-engines.com/en/ranking/graph+dbms> [Accessed 1 Mar. 2018].
- Hecht, R. and Jablonski, S. (2011) 'NoSQL evaluation: A use case oriented survey', *Proceedings - 2011 International Conference on Cloud and Service Computing, CSC 2011*, pp. 336–341. doi: 10.1109/CSC.2011.6138544.
- Indrawan-Santiago, M. (2012) 'Database research: Are we at a crossroad? Reflection on NoSQL', *Proceedings of the 2012 15th International*

- Conference on Network-Based Information Systems, NBIS 2012*, pp. 45–51. doi: 10.1109/NBiS.2012.95.
- Joy Chao, N. G. (2016) *Graph Search Algorithm*. Available at: <https://neo4j.com/blog/graph-search-algorithm-basics/> (Accessed: 26 January 2018).
- J. Leskovec, K. Lang, A. Dasgupta, M. Mahoney. Community Structure in Large Networks: Natural Cluster Sizes and the Absence of Large Well-Defined Clusters. *Internet Mathematics* 6(1) 29--123, 2009
- Kahn, P. (2012) *No Title*. Available at: <http://www.odcms.org/> (Accessed: 26 January 2018).
- Kaur, S. (2016) *Visualizing Class Diagram Using OrientDB NoSQL Data-Store*.
- Labute, M. X. and Dombroski, M. J. (2014) 'Review of Graph Databases for Big Data Dynamic Entity Scoring', *Llnl*. Available at: <https://e-reports-ext.llnl.gov/pdf/775180.pdf>.
- Lo, E., Cheng, N. and Hon, W. (2010). Generating databases for query workloads. *Proceedings of the VLDB Endowment*, 3(1-2), pp.848-859
- Lourenço, J. R. *et al.* (2015) 'Choosing the right NoSQL database for the job: a quality attribute evaluation', *Journal of Big Data*. *Journal of Big Data*, 2(1), pp. 1–26. doi: 10.1186/s40537-015-0025-0.
- Maeda, J., Fukuda, K., Takagi, H. and Asakawa, C. (2004). Web accessibility technology at the IBM Tokyo Research Laboratory. *IBM Journal of Research and Development*, 48(5.6), pp.735-749.
- Moussiades, L. and Vakali, A. (2010). Clustering dense graphs: A web site graph paradigm. *Information Processing & Management*, 46(3), pp.247-267.
- Moghaddam, F. F. *et al.* (2014) 'UAA: User authentication agent for managing user identities in cloud computing environments', *Proceedings - 2014 5th IEEE Control and System Graduate Research Colloquium, ICSGRC 2014*, pp. 208–212. doi: 10.1109/ICSGRC.2014.6908723.
- Neo4j.com (2017) *how to work with indexes in Neo4j and Cypher*. Available at: <http://neo4j.com/docs/developer-manual/current/cypher/schema/index/> (Accessed: 25 December 2015).
- Nosql, W. and Leavitt, N. (2010) 'to Their Promise?', pp. 12–14.
- O'Neil, P. and Quass, D. (1997). Improved query performance with variant indexes. *ACM SIGMOD Record*, 26(2), pp.38-49
- Orientdb.com (2017) 'No Title', *Introduction · OrientDB Manual*.
- OrientDB. (2018). *OrientDB vs Neo4j - Graph Power and Document Flexibility | OrientDB*. [online] Available at: <https://orientdb.com/orientdb-vs-neo4j> [Accessed 1 Mar. 2018].

- Paper, W. (2015) 'The Power of Graph-Based Search The Power of Graph-Based Search', (June). Available at: <https://neo4j.com/resources/graph-based-search-white-paper/?ref=solutions>.
- Raj, S. (2015). Neo4j High Performance. Birmingham: Packt Publishing
- Robinson, I., Webber, J. and Eifrem, E. (2013) *Graph Databases*. First Edit. Edited by Mike Loukides and Nathan Jepson. United States of America.: Ian Robinson, Jim Webber, and Emil Eifrem. Available at: <http://oreilly.com/catalog/errata.csp?isbn=9781449356262>.
- Roe, B. C. (2012) *NoSQL or NoREL? A Short Account of Taxonomic Development, Dataversity*. Available at: <http://www.dataversity.net/nosql-or-norel-a-short-account-of-taxonomic-development/> (Accessed: 12 September 2017).
- Rutgers, P. (2015) 'Extending the Lighthouse graph engine for shortest path queries', (August).
- Sabău, G. (2007) 'Comparison of RDBMS, OODBMS and ORDBMS', *Revista InformaticaEconomică*, (44), 4(4), pp. 83–85. Available at: <http://core.kmi.open.ac.uk/download/pdf/6673274.pdf>.
- Sareen, P., Professor, A. and Kumar, P. (2015) 'Nosql Database and Its Comparison With Sql Database', *Int J Comput Sci Commun Networks*, 5(5), pp. 293–298. Available at: <http://www.ijcsn.com/Documents/Volumes/vol5issue5/ijcsn2015050506.pdf>.
- Snap.stanford.edu. (2018). SNAP: Network datasets: Enron email network. [online] Available at: <http://snap.stanford.edu/data/email-Enron.html> [Accessed 26 Feb. 2018].
- ScyllaDB. (2018). *ScyllaDB is NextGen NoSQL - Take a Test Drive or Download Now*. [online] Available at: <https://www.scylladb.com/> [Accessed 1 Mar. 2018].
- Team, T. N. (2011) 'The Neo4j Manual v1.7.M02', *Technology*, p. 432. Available at: <http://docs.neo4j.org/>.
- Tesoriero, C. (2013). Getting started with OrientDB: A practical guide to learn, deploy, and customize OrientDB. Birmingham: Packt
- The Neo4j Team (2013) *Learning Neo4j*. Available at: <http://www.neotechnology.com/>.
- Thompson, B. (2013) 'Literature Survey of Graph Databases', (January), pp. 1–40.
- Tudorica, B. G. and Bucur, C. (2011) 'A comparison between several NoSQL databases with comments and notes', *Proceedings - RoEduNet IEEE International Conference*. doi: 10.1109/RoEduNet.2011.5993686.



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Weber, S. and Strauch, C. (2010) 'NoSQL Databases', *Lecture Notes Stuttgart Media*, pp. 1–8. doi: 10.4018/978-1-4666-5864-6.ch008



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