

Bibliography

- [1] Bernstein, P.A., V. Hadzilacos, N. Goodman, *Concurrency Control and Recovery in Database Systems*, Addison Wesley, Reading MA., 1987. [CA82],
- [2] T. C. K. Chou and J. A. Abraham. Load Balancing in Distributed Systems. *IEEE Transactions on Software Engineering*, SE-8(4), July 1982.
- [3] D. K., "Weighted Voting for Replicated Data," Proc. ACM SIGOPS SOSP, pages 150-159, Pacific Grove, CA, December 1979.
- [4] H., Barbara, D., "How to Assign Votes in a Distributed System," J. ACM, 32(4). pages 841-860, October, 1985
- [5] Wiesmann, M., Pedone, F., Schiper, A., Kemme, B., and Alonso, G. (2000a). Database replication techniques: a three parameter classification. In Proceedings of 19th IEEE Symposium on Reliable Distributed Systems (SRDS'00), Nürenberg, Germany. IEEE Computer Society.
- [6] Bernstein, P. A., Hadzilacos, V., and Goodman, N. (1987). *Concurrency Control and Recovery in Database Systems*. Addison-Wesley. Page 370
- [7] Gifford, D. K. (1979). Weighted voting for replicated data. In Proceedings of the 7th ACM Symposium on Operating Systems Principles (SOSP'79), pages 150-162.
- [8] Thomas, R. H. (1979). A majority consensus approach to concurrency control for multiple copy databases. *ACM Transactions on Database Systems*, pages 180-209.
- [9] Jiménez-Peris, R., Patiño-Martínez, M., Alonso, G., and Kemme, B. (2003). Are quorums an alternative for data replication? *ACM Transactions on Database Systems*, pages 257-294.
- [10] Gray, J., Helland, P., O'Neil, P., and Shasha, D. (1996). The dangers of replication and a solution. In Proceedings of the 1996 ACM SIGMOD International Conference on Management of Data, pages 173-182.
- [11] Pedone, F., Guerraoui, R., and Schiper, A. (2003). The Database State Machine Approach. *Journal of Distributed and Parallel Databases and Technology*, pages 71-98.
- [12] Wu, S. and Kemme, B. (2005). Postgres-R(SI): Combining Replica Control with Concurrency Control based on Snapshot Isolation. In IEEE International Conference on Data Engineering (ICDE), Tokyo, Japan.

- [13] Candea, G., Kawamoto, S., Fujiki, Y., Friedman, G., and Fox, A. (2004). Microreboot - A Technique for Cheap Recovery. In Proceedings of the Sixth Symposium on Operating Systems Design and Implementation (OSDI'04), pages 31-44, San Francisco, CA, USA.
- [14] Plattner, C. and Alonso, G. (2004). Ganymed: scalable replication for transactional web applications. In Proceedings of the 5th ACM/IFIP/USENIX international conference on Middleware (Middleware'04), pages 155-174, Toronto, Canada. Springer-Verlag New York, Inc.
- [15] J. Gray, P. Helland, P. E. O'Neil, and D. Shasha. The dangers of replication and a solution. In Proc. of the ACM SIGMOD Int. Conf. on Management of Data, pages 173–182, Montreal, Canada, June 1996.
- [16] V. Hadzilacos and S. Toueg. Fault-tolerant broadcasts and related problems. In S. Mullender, editor, Distributed Systems, pages 97–145. Addison-Wesley, 1993.
- [17] K. P. Eswaran, J. N. Gray, R. A. Lorie, and I. L. Traiger. The notions of consistency and predicate locks in a database system. Communications of the ACM, pages 624–633, 1976. 139
- [18] ANSI X3. pages 135-1992. American National Standard for Information Systems – Database Languages – SQL. November 1992.
- [19] J. Gray and A. Reuter. Transaction Processing: Concepts and Techniques. Morgan Kaufmann, 1993. 12
- [20] H. Berenson, P. A. Bernstein, J. Gray, J. Melton, E. J. O'Neil, and P. E. O'Neil. A critique of ANSI SQL isolation levels. In Proc. of the ACM SIGMOD Int. Conf. on Management of Data, pages 1–10, San Jose, California, June 1995.
- [21] G. Alonso, D. Agrawal, A. El Abbadi, M. Kamath, R. Gunt'hor, and C. Mohan. Advanced transaction models in the workflow contexts. In Proc. of the Int. Conf. on Data Engineering (ICDE), pages 574–581, New Orleans, Louisiana, February 1996.
- [22] Microsoft. Microsoft SQL Server 2000. Microsoft, 2005.
- [23] R. Urbano. Oracle Streams Replication Administrator's Guide. Oracle, release 1 edition, December 2003.
- [24] Sybase. Replication strategies: Data migration, distribution and synchronization. Technical Report L02038 MIL6143, Sybase, Inc., 2003.
- [25] IBM DB2 Universal Database. Replication guide and reference. Technical Report SC26-9920-00, IBM, Version 7.
- [26] Slony Development Group. Slony. <http://slony.info>
- [27] H. Garcia-Mollina, J. Ullman, and J. Widom. Database Systems The Complete Book. Prentice Hall, 2002.

- [28] T. Anderson, Y. Breitbart, H. F. Korth, and A. Wool. Replication, consistency, and practicality: are these mutually exclusive? In Proceedings of the ACM SIGMOD International Conference on Management of data, 1998.
- [29] Y. Breitbart, R. Komondoor, R. Rastogi, S. Seshadri, and A. Silberschatz. Update propagation protocols for replicated databases. In Proceedings of the ACM SIGMOD International Conference on Management of data, 1999.
- [30] C. Amza, A. Cox, and W. Zwaenepoel. Conflict-Aware Scheduling for Dynamic Content Applications. In Proceedings of the 4th USENIX Symposium on Internet Technologies and Systems, 2003.
- [31] C. Plattner and G. Alonso. Ganymed: scalable replication for transactional web applications. In Proceedings of the 5th ACM/IFIP/USENIX International Conference on Middleware, 2004.
- [32] F. Akal, C. Türker, H. Schek, Y. Breitbart, T. Grabs, and L. Veen. Fine-grained replication and scheduling with freshness and correctness guarantees. In Proceedings of the 31st International Conference on Very Large Data Bases, 2005.
- [33] S. Gançarski, C. Le Pape, and H. Naacke. Fine-grained refresh strategies for managing replication in database clusters. In Proceedings of VLDB Workshop on Design, Implementation and Deployment of Database Replication, 2005.
- [34] C. Stettler Online and Offline Operation of J2EE Enterprise Applications Diploma Thesis Department of Information Technology University of Zurich, Switzerland, 2003 .
- [35] N. H. Cohen. IBM Research Report: Design and Implementation the MNCRS Java Framework for Mobile Data Synchronization. IBM Research Division, 2003.