Database Technology for Internet Applications

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Abstract

Over the last few years, the World Wide Web has significantly elevated the role of Intra/Internet in an enterprise. Companies are beginning to use the web technology for Warehousing, Web Data Integration, Web Publishing, Electronic Commerce, Application Integration, etc. These web-based applications support transactions, heterogeneous data aggregation, querying, and so on. In addition, these applications must be accessible by large number of users, from anywhere, securely, at all times with quick response. Currently, many of these applications are custom developed and typically adapt multi-tier architecture. A key component in this architecture is a database, storing and providing access to relevant data over the Internet.

However with the explosion of internet sites (dotcoms), commercial DBMSs like Oracle8i, DB2Universal Database, Informix Universal Server and others began enhancing databases with functionality for supporting the web-based applications. In this paper, we look at the architectures of the web-based applications using real-world cases and study the role of databases and database technology in web-based/internet applications.