

Abstract

The rapid development of information technology today influences the way companies in completing their work. Demands of work to be done anywhere, anytime and through any device that is able to create a resource to support those needs. In addition, the database performance becomes a problem when the data stored in the database more complex. This sometimes makes the company should allocate a lot of resource and waste lots of time to do the tuning, backup and database maintenance support performance in the database. So it would be nice if companies only focus on their business processes to gain more profit than they also need to focus in database performance problems. Database as a Service (DBaaS) is a database resource that can be used as a service that supports the mobility of a person for such data management needs today. DBaaS can be used as a solution for the needs of companies in supporting their business processes. However, the issue of performance is still an obstacle to implementing the company. Therefore, the implementation of the study was conducted Database as a Service (DBaaS) using relational cloud architecture that is then performed an analysis of the performance DBaaS. The parameters of performance that is based DBaaS concurrency and consistency with the test parameter of response time and throughput.

Keywords : resource, tuning, backup, maintenace, database, DBaaS, performansi, concurrency, consistency, response time, throughput.