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**Problem Analaysis**

As I prvioulsy entioned I n my technology review, The two main techniques for ensuring eventual consistency that are currenlt y in sue for real cloud systems are MVCC, currently used by CouchDB, and a system based on Vector clocks, used by Amazons Dynamo DB. In this chapter, I will look at these two consistency mechnisms and explain why I chose the approach I did for this project.

THe first approach I considered was the CouchDB approach of MVCC. IF the two major approaches I considered, this seemed to be the simplest to implement. This is because it would be relatively easy to