SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

TEAM ID:PNT2022TMID28956   SUBMITTED BY: Jyothi Saai Raam P N

Cloudant document database

IBM Cloudant is a fully managed JSON document database that offers independent serverless scaling of throughput capacity and storage.
A fully managed, distributed database optimized for heavy workloads and fastgrowing web and mobile apps, IBM Cloudant is available as an IBM Cloud® service with a 99.99% SLA.

Cloudant is a non-relational, distributed database service of the same name. Cloudant is based on the Apache-backed CouchDB project and the open source BigCouch project. Cloudant's service provides integrated data management, search, and analytics engine designed for web applications.

A document is assigned to a particular shard by using consistent hashing of its ID. This assignment means that a document is always stored on a known shard and a known set of servers. Occasionally, shards are rebalanced. Rebalancing involves moving replicas to different servers.