Architecture

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JMS

Cron Jobs

C3

C2

C1

HA Proxy

JBoss3

JBoss2

JBoss1

Database

Fig: Architecture Design

Above architecture is described as below:

* D1, D2, D3 represents drivers and C1, C2, C3 represents customers.
* HA Proxy is load balancer used to forward the requests to application server nodes

When a customer book a ride, application requests to server and these details will be captured and stored in DB and in the same time server will find the nearby drivers within some range using Google API.

After getting some drivers server will process all drivers using some algorithm to get best driver for that time and dispatched the job that driver.