Leader Election

Assume subscription brossed selvices such ous Amozon Penne.

All the subscenption related states mill be stored in the Dortabase. The payments mill be coercied out using third party seemices such our Paypol, Ottenpe.

The Thierd posity services should not be given access to one dotobase. Thus a server sits between the dotobase and the thierd posity service. Indeeded to make our system more redundant two de more servers sits between the DB and the thierd posity service. This is where the peroblem voises. If seawer 1 and server 2 hote deducts money from the user then it becomes a peroblem. This is where then it becomes a peroblem. This is where

Leader Election

header Election guorrantees that all the nodes in the sluster which one is the leader amongst them at any given time and can elect or new leader if the leader shee for whotever reason. The leader is responsible for all permany operations of that service.

This leader election is stone using the distributed consensus algorithm. Two popular consensus algorithms are lacios and Raft thatead of using the appointment as Et-c-d),

Jookeeper are used, which under the hood uses a consensus algorithm.

Eg: Roft

http://thesecretlivesofdata.com/raft/

Les Election lineout (150ms - 300 ms)

(default)

4) freat beat

1) Rog Replication, header Election
1) Split Wates