* Only Jupiter running on Master is publishing data, moze Jupiter działać na 3 ? czy na tej samej maszynce co redis jest Jupiter ?, możemy pobrac który jest masterem obecnie (info)
* Redis master is replicating data to slaves
* Sentinels are responsible to elect master
* Jupiter master is sending heartbeats
* Jupiter heartbeats are consumed by Jupiter slaves
* Jupiter heartbeats contains ids of processed messages – sprawdziłem I jak redis master wyłaczę, to Jedis.sentinel jak publikuje to rzuca exception, gdy jeszcze nowy master nie wybrany, po wyborze nowego działa poprawnie, więc bez tego utrata danych, ale można by zaczekał w catch i powtórzył
* Jupiter master is storing ids of processed messages in Redis – co to dokładnie oznacza ?
* Jupiter slaves are keeping received messages (Map<Id,Payload>) in own cache
* Upon receiving heartbeat processed messages are removed from slave cache
* Slave initiate alert if message was not processed by master and received by slave (after i.e. 2 HB cycles)
* After master Redis dies new master is elected by sentinel quorum
* Jupiter running on new master Redis enters master mode –może stary Jupiter na nowego mastera redis ?, chyba,ze mamy Jupiter I redis na tej samej maszynie
* Jupiter previously working on master Redis enters slave mode
* Jupiter master compares the internal cache with processed messages ids stored in Redis
* All found unprocessed messages are processed by new master Jupiter
* New master Jupiter start sending HB with processed messages (emptying the cache of slaves)
* After master Jupiter dies it stops sending HB to slaves
* Jupiter next in line of succession is becoming the master
* Jupiter master compares the internal cache with processed messages ids stored in Redis
* All found unprocessed messages are processed by new master Jupiter
* New master Jupiter start sending HB with processed messages (emptying the cache of slaves)
* When old-master Jupiter is started it waits for HB to be received when received it enters the slave mode (caching the messages)

JEST RYZYKO UTRATY WIADOMOŚCI GDY JUPITER PADNIE, PRZEBABY OKOODOWAC TAKIEGO SENTINELA NA POZIOMIE JUPITERA (cos jak powyższy cache), MOŻE COS TAKIEGO JEST

jupiter HA

Hej

W temacie clusteringu servera, kilka linkow ktore moga wydawac sie interesujace. (akka biased ?)

http://www.slideshare.net/ktoso/distributed-consensus-aka-what-do-we-eat-for-lunch

http://www.slideshare.net/ktoso/zen-of-akka (od slajdu 90)

http://www.slideshare.net/jboner/the-road-to-akka-cluster-and-beyond (od slajdu 217)

https://zookeeper.apache.org/doc/r3.3.2/zookeeperOver.html#Reliability

http://thesecretlivesofdata.com/raft/

http://doc.akka.io/docs/akka/snapshot/scala/cluster-usage.html#Failure\_Detector

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http://www.empik.com/konan-destylator-pilipiuk-andrzej,p1130011993,ksiazka-p