Options :

1. cron backup to file

<https://www.digitalocean.com/community/tutorials/how-to-back-up-and-restore-your-redis-data-on-ubuntu-14-04>

- it prepares backup file every specific amount of time

2. Master-slave

<https://redis.io/topics/replication>

<http://bencane.com/2013/11/12/installing-redis-and-setting-up-master-slave-replication/>

- loss of data possible (because async message to slave)

- replication for scalability or just data redundancy (slave can be backup or used as read-only for customers)

- slaves read only

- chain of slaves possible (next replication on other machine)

- upgrade without downtime solution : <http://stackoverflow.com/questions/4719346/redis-master-slave-replication-single-point-of-failure>

3. cluster

<https://redis.io/topics/cluster-tutorial>

- if one master down, other are working instead of him

- we have few masters with their slaves,

- possible loss of data, because async

- can be flush on disk, no loss, but lower performance

4.

redis labs enterprise cluster

<https://redislabs.com/redis-enterprise-documentation/database-configuration/database-replication>

here is said, that in master go down, slave become master, and after first master up it become slave

- not free