Manage, Monitor and Migrate Heroku Redis

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Establishing a Primary Redis Instance

Multiple Redis Instances

Instance 1

REDIS_URL

Instance 2

HEROKU_REDIS
_<COLOR>_URL

Instance 3

HEROKU_REDIS
_<COLOR>_URL

Manage Redis From CLI

Eviction Policies

Remove LRU keys without considering expire set	Evict the keys randomly	Evict the keys that has expire set randomly	Evict the keys that has expire set and a shorter TTL
allkeys-lru	**allkeys-random**	**volatile-random**	**volatile-ttl**

Heroku CLI

```
Heroku addons:create

    heroku-redis:<PLAN_TYPE>

    --timeout <TIMEOUT_VALUE>

    --maxmemory_policy <EVICTION_POLICY>
```

Heroku Redis Maintenance Mode

Maintenance Mode Vs Maintenance Window

Unscheduled maintenance	Planned maintenance

Maintenance mode

Maintenance window

Securing Redis Connection and Migrating Redis Data

Demo

Create a new Redis hobby-dev instance

Migrate data from an existing instance

Migrating to Private Spaces Plan

1 Fetch REDIS_URL using heroku credentials command

2 Turn on the maintenance mode

3 Provision the private plan

4 Make the new Redis instance as your primary

Securing Redis Connection

No encryption and access controls

Stunnel buildpack

- Sits between dynos and Redis

Clients needs to install this buildpack

Recommended in production environment

Share and Upgrade Heroku Redis