Share and Upgrade Heroku Redis



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Upgrade a Redis Instance to Premium



source=HEROKU_REDIS_IVORY addon=redis-animate-92763

sample#active-connections=1 sample#memory-redis=315512bytes sample#hit-rate=1 sample#evicted-keys=0

sample#load-avg-1m=0.085 sample#load-avg-5m=0.13 sample#load-avg-15m=0.14 sample#read-iops=0 sample#write-iops=0 sample#memory-total=15664244kB sample#memory-free=13236804kB sample#memory-cached=488660kB



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Multiple Redis Instances





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-Iru

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





Web dynos

Application

Worker dynos

One-off dynos



Maintenance Mode Vs Maintenance Window

Unscheduled maintenance

Maintenance mode

Planned maintenance

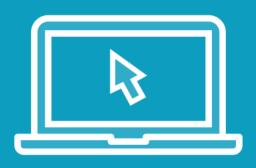
Maintenance window



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



Fetch REDIS_URL using heroku credentials command



Turn on the maintenance mode



Provision the private plan



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



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