Migrating to Elastic Cache Using RIOT

By Anish Prasad · 2 min · 20 · Add a reaction

RIOT is an open source tool used for Migrating Data from Self Manage Redis to Elastic Cache

More on RIOT tool can be found here

Mandatory Config Needed

1. Need One Instance with High Network Bandwidth (prefer c6gn series) for RIOT installation
2. Instance should have enough memory that depends on the Source Redis Cluster used.
3. RUN the below command on **SOURCE REDIS** to set `notify-keyspace-events` with value `KEA`

```
for server in "<node-1>" "<node-2>" "<node-3>" "<node-4>" "<node-5>" "<node-6>" ; do
    redis-cli -c -h "$server" -p 6379 CONFIG SET notify-keyspace-events "KEA"
done
```

Installation OF RIOT on a new instance

1. Make sure you have sudo access for the new instance (we have used RIOT version 4.1.3)
2. Java 11+ must be installed we have used Java 17 for this

```
wget https://github.com/redis/riot/releases/download/v4.1.3/riot-4.1.3.tar

tar -xvf riot-4.1.3.tar

cd riot-4.1.3/bin/

ls  // it will list the riot script which will be used for running the migration
```

Command To Execute

Test your command with `dry run` flag

```
./riot replicate --mode live --source-cluster h3ns1h-be-redis6-0-7-1.stage-rc.in:6379 -
```

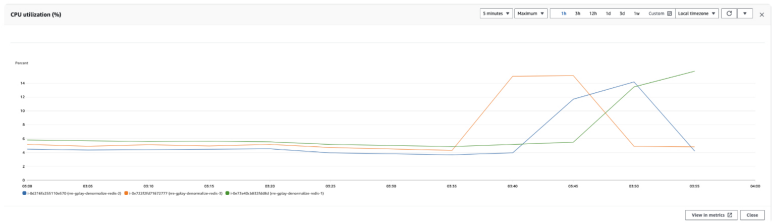
If every thing goes well, then we can go for the final show

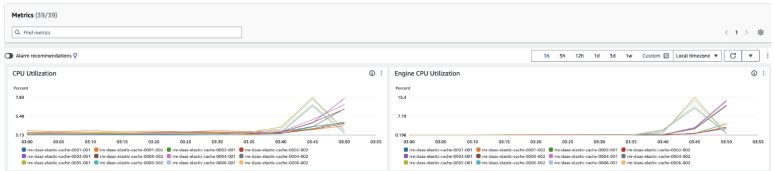
```
./riot replicate --mode live --source-cluster h3ns1h-be-redis6-0-7-1.stage-rc.in:6379 -
```

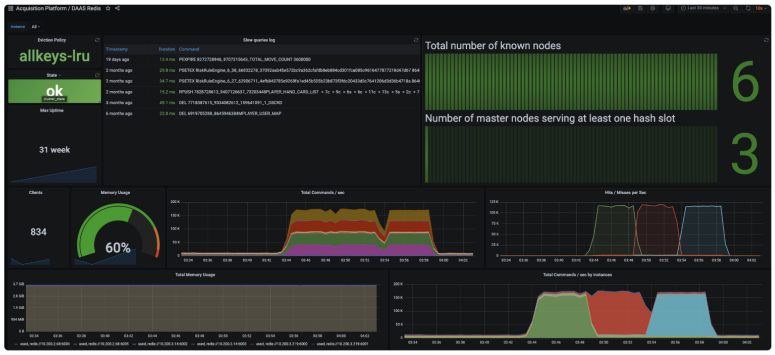
Monitoring

1. Make Sure you monitor the DashBoards of Self Managed Redis and the Cloud Watch DashBoards of Elastic Cache

Attached screenshots of the activity performed







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