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Informática - SOR2 - Taveira

Etapa 1 - Instalação do Redis

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Terminal - abraaorodrigues@abraaorodrigues: ~
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redis já é a versão mais recente (5:6.0.16-lubuntu1).
Os seguintes pacotes foram instalados automaticamente e já não são necessários:
  docker-buildx-plugin docker-ce-rootless-extras docker-compose-plugin
  libslirp0 slirp4netns
Utilize 'sudo apt autoremove' para os remover.
0 pacotes atualizados, 0 pacotes novos instalados, 0 a serem removidos e 83 não
atualizados.
abraaorodrigues@abraaorodrigues:~$ sudo systemctl status redis
● redis-server.service - Advanced key-value store
   Loaded: loaded (/lib/systemd/system/redis-server.service; enabled; vendor
   Active: active (running) since Wed 2023-06-07 23:19:08 -03; 7min ago
     Docs: http://redis.io/documentation,
           man:redis-server(1)
   Main PID: 4022 (redis-server)
    Status: "Ready to accept connections"
     Tasks: 5 (limit: 2277)
    Memory: 3.5M
       CPU: 554ms
    CGroup: /system.slice/redis-server.service
           └─4022 "/usr/bin/redis-server 127.0.0.1:6379" " " " " " " " " " " " "

jun 07 23:19:06 abraaorodrigues systemd[1]: Starting Advanced key-value store...
jun 07 23:19:08 abraaorodrigues systemd[1]: Started Advanced key-value store.
lines 1-15/15 (END)
```

Etapa 2 - Execução de Jobs no Redis e Arquivo Python

```
Terminal - abraaorodrigues@abraaorodrigues: ~
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abraaorodrigues@abraaorodrigues:~$ python3
Python 3.10.6 (main, Mar 10 2023, 10:55:28) [GCC 11.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import script
>>> from rq import Queue
>>> from redis import Redis
>>> from time import sleep
>>> q2 = Queue(connection=Redis(), name='teste')
>>> q2.enqueue(sleep, 5)
Job('b0f9f07b-3d2d-4bb0-841c-52f4e2693a42', enqueued_at=datetime.datetime(2023,
6, 8, 2, 42, 40, 845482))
>>> q2.enqueue(sleep, 5)
Job('752ae8e3-d8fe-49a6-90bf-d6b106d147b9', enqueued_at=datetime.datetime(2023,
6, 8, 2, 42, 44, 341351))
>>> q2.enqueue(sleep, 5)
Job('14f3f085-494a-459b-8365-46ec00c1d340', enqueued_at=datetime.datetime(2023,
6, 8, 2, 42, 45, 501344))
>>>
```

```
Terminal - abraaorodrigues@abraaorodrigues: ~
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abraaorodrigues@abraaorodrigues:~$ rq info
teste 3
1 queues, 3 jobs total

0 workers, 1 queues

Updated: 2023-06-07 23:42:49.475170
abraaorodrigues@abraaorodrigues:~$ rq worker teste
23:43:26 Worker rq:worker:e376d5878a3748a4a998187ce9313532: started, version 1.1
0.1
23:43:26 Subscribing to channel rq:pubsub:e376d5878a3748a4a998187ce9313532
23:43:26 *** Listening on teste...
23:43:26 teste: time.sleep(5) (b0f9f07b-3d2d-4bb0-841c-52f4e2693a42)
23:43:31 teste: Job OK (b0f9f07b-3d2d-4bb0-841c-52f4e2693a42)
23:43:31 Result is kept for 500 seconds
23:43:31 teste: time.sleep(5) (752ae8e3-d8fe-49a6-90bf-d6b106d147b9)
23:43:36 teste: Job OK (752ae8e3-d8fe-49a6-90bf-d6b106d147b9)
23:43:36 Result is kept for 500 seconds
23:43:36 teste: time.sleep(5) (14f3f085-494a-459b-8365-46ec00c1d340)
23:43:41 teste: Job OK (14f3f085-494a-459b-8365-46ec00c1d340)
23:43:41 Result is kept for 500 seconds
```

```
~/script.py - Mousepad
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from redis import Redis
from rq import Queue

q = Queue(connection=Redis())

from my_module import count_words_at_url
result = q.enqueue(count_words_at_url, 'http://nvie.com')

# Schedule job to run at 9:15, October 10th
job = queue.enqueue_at(datetime(2019, 10, 8, 9, 15), say_hello)

# Schedule job to be run in 10 seconds
job = queue.enqueue_in(timedelta(seconds=10), say_hello)
```

