

URL Shorting By using Redis

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[AC-50: Email SMS Notification Service and URL shortening](#) **DONE**

as discussed with [@Lindiwe Ncala](#) and [@Robin Martin](#) please check the implementation.

✓ Objective is to create the Redis module and use them for cache and data repository for encrypted data

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Problem Statement:

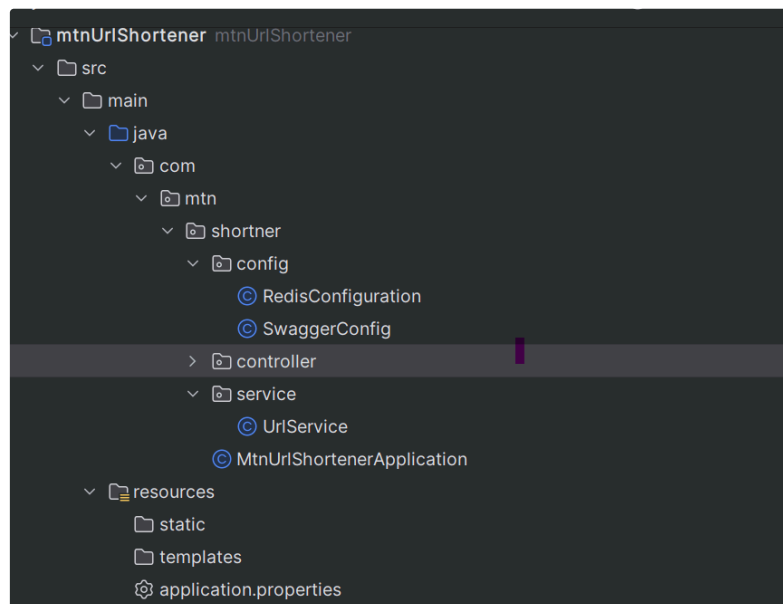
create a **injectable** microservice inside common connector which can generated encrypted tiny **URL**.

used component

- **Redis local:** create a local Redis data base.
- **SHA256:** for encrypting URL

Solution Approach:

first you have to create the **REDIS** microservice module.



Use Encryption logic to create the **tiny URL**.

```
shortenUrl(String url) {
    // generating murmur3 based hash key as short URL
    key = Hashing.sha256().hashString(url, Charset.
    shortUrlEntry = Url.builder().key(key).createdAt(L
    // store in redis
    template.opsForValue().set(key, shortUrlEntry, ti
    return shortUrlEntry;
}
```

TESTING:

Execute

Clear

Responses

Request

'POST' \n\n//localhost:8091/url/google.com' \n\naccept: application/hal+json' \n\n

URL

localhost:8091/url/google.com

Response

Details

Response body

can't parse JSON. Raw result:
d4c9d9027326271a89ce51fcdf328ed673f17be33469ff979e8ab8dd501e664f

Create the token

Execute

Clear

Responses

Request

-X 'GET' \n\nhttp://localhost:8091/url/b19511d5c8085aea2d88c7ec5ecea136e3a36a58c0798197344be1aeb1667617' \n\naccept: application/hal+json'

URL

http://localhost:8091/url/b19511d5c8085aea2d88c7ec5ecea136e3a36a58c0798197344be1aeb1667617

Response

Details

Response body

can't parse JSON. Raw result:
amazon.com

get the real value


```
Length: 107 TLE: 20480
{
  "key": "b19511d5c8085aea2d88c7ec5ecea136e3a36a58c0798197344be1aeb1667617",
  "url": "amazon.com",
  "created_at": "2024-07-07T11:33:15.73326"
}
```

Redis data

TASK pending

☐ Create REDIS caching @indranil banerjee

Source Code:



mtnCommon... tor.zip
08 Jul 2024, 06:01 AM

Latest code:

 mtnCommonConnector: latest notification changes **CLOSED**