# Radis cache for duplicate transaction

i Intended for dev and Architect.

as per the discussion with Taniya.Biswas@mtn.com for cashback we came across a scenario in which we are checking whole table for duplicate transaction caching is better solution.

this also relevant for duplicate transaction check @Umamaheswara Makineni @Rupesh Kansara @Omololu Fabelurin

Problem Statement: | Solution Approach | Step1: | Step2: | Step3: | Step4 | Test Result : | Data-structure setup | Source Code: | Latest Code:

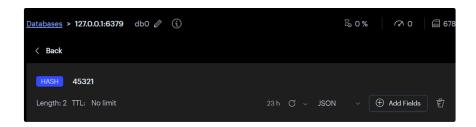
- Objective to validate the duplicate transaction through payload setting
  - · Create Redis Server
  - Create Cache Module
  - Create encrypted structure for the with hashValue.
- **1** Problem Statement:

we have to create a module in which we have to find out duplicate transaction through through payload and cache that value.

- · Spring boot
- Radis Server
- Radis Cache
- **1** Solution Approach

#### Step1:

create a Radis server and then connect with it .



## Step2:

connect the spring boot with it.

```
1 spring:
2 data:
3 redis:
4 port: '6379'
5 timeout: '60000'
6 database: '0'
7 host: '127.0.0.1'
8 application:
9 name: mtnUrlShortener
```

#### Step3:

Create a hash Algo in which

- key-transaction number
- hashKey-payload hash string value
- hashvalue-hash payload

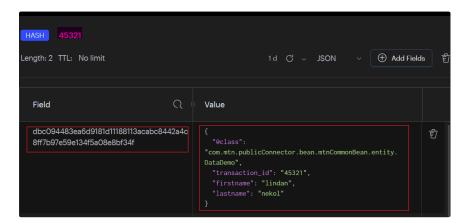
## Step4

Enable caching in Redis Client

## Test Result:

#### **Data-structure setup**

please see the Radis data structure.



# HashPayload-

```
1 { "@class": "com.mtn.publicConnector.bean.mtnCommonBean.entity.DataDemo", "transaction_id": "45321",
    "firstname": "lindan", "lastname": "nekol" }
```

for same input payload

```
Request body required

{
    "transaction_id": "45321",
    "firstname": "lindan",
    "lastname": "nekol"
}
```

Duplicate is true



# **Source Code:**



# **Latest Code:**

ndranb13/mtnCommonConnector