

## Exercise 3 - Multi Get Keys

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### Exercise 3.a - Retrieve the Recent Products

1. Open `exercise3/com/example/ProductService.cfc` in your IDE
2. Modify the `getRecentProducts` method to retrieve the `recent_products` document by calling the CFCouchbase `get()` method passing the argument of `"recent_products"` and referencing the returned documents products array property.

The document is structured as follows:

```
{
  "doc_type": "config",
  "products": [
    "db2f3494-c030-491b-ab179c32d98b1345",
    "5d1c4462-f69d-4fe6-bddc4397c165fca9",
    "bda46f2c-2a07-44f3-afbd8738aa25cccc",
    "91f2683e-a79b-4002-8b2daf1fd4aa6672",
    "7d944f17-db36-4948-b90d582a067ed714",
    "858d0489-bb8d-4c4f-a9c875310c39e0b7",
    "4825b83f-9ae8-4361-93ff48faed868cb5",
    "de87c930-67d3-49d3-b1fcda43b9231c88"
  ]
}
```

3. After you have retrieved the `recent_products` document, call the CFCouchbase `getMulti()` method passing it the array of products. This will return you a structure of each document with each key being the Document ID.
4. Open the homepage (</exercise3/index.cfm>) and verify that you are seeing recent products being displayed.

For your reference the data from the `getRecentProducts` method is used in the following views:

- `exercise3/view/includes/home.recent.cfm`
- `exercise3/view/includes/template.product.cfm`

Open the homepage (</exercise3/index.cfm>) and verify that the New Products are displaying correctly.

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### Exercise 3.b - Retrieve the Sale Products

1. Open `exercise3/com/example/ProductService.cfc` in your IDE
2. Modify the `getSaleProducts` method to retrieve the `sale_products` document by calling the

CFCouchbase `get()` method passing the argument of `"sale_products"` and referencing the returned documents products array property.

The document is structured as follows:

```
{
  "doc_type": "config",
  "products": [
    "18099658-70d7-4c0e-be1f1ca0d3f07642",
    "451f05ff-c881-4cbb-b6e4edd619c87da7",
    "f5a70d7e-fd7c-4711-ab5b2e4019e13315",
    "27fc7858-3b1d-467d-b4d1feaaa89b0c5c",
    "58559b29-12ba-4066-baf2d42e81567a00",
    "7dfbbb40-4c2c-4ca6-95c8c7c024b987a4",
    "9f6ef86d-e9e1-4f55-884b499e16081147",
    "71578029-5fc8-49ba-a5288dbce8d4a0d8"
  ]
}
```

3. After you have retrieved the `sale_products` document, call the CFCouchbase `getMulti()` method passing it the array of products. This will return you a structure of each document with each key being the Document ID.

4. Open the homepage (</exercise3/index.cfm>) and verify that you are seeing sale products being displayed.

For your reference the data from the `getSaleProducts` method is used in the following views:

- `exercise3/view/includes/home.sale.cfm`
- `exercise3/view/includes/template.product.cfm`

Open the homepage (</exercise3/index.cfm>) and verify that the Sale Products are displaying correctly.