

DB -> Kafka -> ElasticSearch (Kafka, ES)

DB -> Kafka -> ElasticSearch Kafka + Bulk

DB Kafka ES

1. **DB -> Kafka -> ElasticSearch** DB Kafka ES
2. **Kafka bucket** Kafka bucket
3. **ElasticSearch Bulk API** ElasticSearch Bulk API

DB Kafka ES

1. **Kafka Bucket** Kafka Bucket
2. **ElasticSearch Bulk** ElasticSearch Bulk
3. **DB (150,000)** DB (150,000)

Kafka Bucket

```
qryCnt := models.QryCount(y.Db, cntStr)
fmt.Println("qryCnt:", qryCnt)

bucketCnt := 0
if qryCnt == 0 {
    bucketCnt = 0
} else {
    bucketCnt = 1 + (int(qryCnt) / p.Limit)
}

fmt.Println("bucketCnt:", bucketCnt)
for i := 0; i < bucketCnt; i++ {
    // for i := 0; i < 3; i++ {
    p.Offset = p.Limit * i
    sqlStr, _, _ := models_join.ListType1PlainQryStrGet(y, lt, p, q, "/list")
```

Bucket

Bulk API

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