

Step by step process:

1)Run elasticsearch.bat

2) Delete the old code:

```
curl -u elastic:elastic -X DELETE "http://localhost:9200/products"
```

3) add index with analyzer for synonym

```
curl -u elastic:elastic -X PUT "http://localhost:9200/products" -H "Content-Type: application/json"
-d '{"settings': {'analysis': {'filter': {'beauty_syn': {'type': 'synonym', 'synonyms':
['lipstick, lip gloss, lip color', 'moisturizer, lotion', 'shampoo, hair wash', 'perfume, fragrance,
scent', 'serum, elixir']}}, 'analyzer': {'synonym_analyzer': {'tokenizer': 'standard',
'filter': ['lowercase', 'beauty_syn']}}, 'mappings': {'properties': {'sku': {'type':
'integer'}, 'name': {'type': 'text', 'analyzer': 'synonym_analyzer'}, 'fields': {'keyword':
{'type': 'keyword'}}, 'description': {'type': 'text'}, 'brand': {'type': 'keyword'},
'category': {'type': 'keyword'}, 'subcategory': {'type': 'keyword'}, 'price': {'type':
'double'}, 'rating': {'type': 'double'}, 'stock': {'type': 'integer'}, 'color': {'type':
'keyword'}, 'colorVariants': {'type': 'keyword'}, 'materials': {'type': 'keyword'},
'synonyms': {'type': 'text'}, 'total_reviews': {'type': 'integer'}}}}"
```

4)load the json file into elastic search

```
curl -u elastic:elastic -H "Content-Type: application/x-ndjson" --data-binary "@products.ndjson"
"http://localhost:9200/_bulk?refresh=true"
```

5)test the cluster

```
curl -u elastic:elastic "http://localhost:9200/_cat/indices?v"
```

```
curl -u elastic:elastic "http://localhost:9200/products/_search?q=*&size=3&pretty"
```