chapter4

PUT create_default_mappings_index

http://localhost:9200/default_mappings_index/

HEADERS

Content-Type
application/json
BODY

```json
{
    "mappings": {
        "dynamic_date_formats": ["yyyy/MM/dd"]
    }
}
```

```
curl --location --request PUT "http://localhost:9200/
default_mappings_index/" --header "Content-Type:
application/json" --data "{ \"mappings\":
{ \"dynamic_date_formats\": [\"yyyy/MM/dd\"] } }"
```

PUT index_default_mappings_index_doc_1

http://localhost:9200/default_mappings_index/_doc/1

HEADERS

Content-Type
application/json
BODY

```json
{
    "simple_string_value": "a string",
    "string_w_date_value": "2019/02/07",
    "string_w_floating_point_value": "1.11",
    "string_w_integer_value" : "1",
    "integer_value": 1,
    "floating_piont_value": 1.1,
    "json_object" : {"level_1" : {"level2_1":"a string",
"level_2_2":1, "level_2_3":1.11}},
    "array_of_integer": [1, 2],
    "array_of_float": [1.11, 2.22],
    "array_of_simple_string": ["ab", "cd"],
    "array_of_integer_string": ["1", "2"],
    "array_of_float_string": ["1.11", "2.22"],
    "boolean_value" : true,
    "null_value": null
}
```

Example Request
index_default_mappings_index_doc_1

```
curl --location --request PUT "http://localhost:9200/
default_mappings_index/_doc/1" --header "Content-Type:
application/json" --data "{ \"simple_string_value\": \"a
string\", \"string_w_date_value\": \"2019/02/07\",
\"string_w_floating_point_value\": \"1.11\",
\"string_w_integer_value\" : \"1\", \"integer_value\": 1,
\"floating_piont_value\": 1.1, \"json_object\" :
{\"level_1\" : {\"level2_1\":\"a string\", \"level_2_2\":1,
\"level_2_3\":1.11}}, \"array_of_integer\": [1, 2],
\"array_of_float\": [1.11, 2.22],
\"array_of_simple_string\": [\"ab\", \"cd\"],
```

```
\"array_of_integer_string\": [\"1\", \"2\"],
\"array_of_float_string\": [\"1.11\", \"2.22\"],
\"boolean_value\" : true, \"null_value\": null }"
```

PUT create_custom_mappings_index

http://localhost:9200/custom_mappings_index

HEADERS

Content-Type
application/json
BODY

```
{
    "mappings": {
        "date_detection": false,
        "numeric_detection": true
    }
}
```

Example Request
create_custom_mappings_index

```
curl --location --request PUT "http://localhost:9200/
custom_mappings_index" --header "Content-Type: application/
json" --data "{ \"mappings\": { \"date_detection\": false,
\"numeric_detection\": true } }"
```

PUT index_custom_mappings_index_doc_1

http://localhost:9200/custom_mappings_index/_doc/1

HEADERS

Content-Type
application/json
BODY

```
{
     "simple_string_value": "a string",
     "string_w_date_value": "2019/02/07",
     "string_w_floating_point_value": "1.11",
     "string_w_integer_value" : "1",
     "integer_value": 1,
     "floating_piont_value": 1.1,
     "json_object" : {"level_1" : {"level2_1":"a string",
"level_2_2":1, "level_2_3":1.11}},
     "array_of_integer": [1, 2],
     "array_of_float": [1.11, 2.22],
     "array_of_simple_string": ["ab", "cd"],
     "array_of_integer_string": ["1", "2"],
     "array_of_float_string": ["1.11", "2.22"],
     "boolean_value" : true,
     "null_value": null
}
```

```
curl --location --request PUT "http://localhost:9200/
custom_mappings_index/_doc/1" --header "Content-Type:
application/json" --data "{ \"simple_string_value\": \"a
string\", \"string_w_date_value\": \"2019/02/07\",
\"string_w_floating_point_value\": \"1.11\",
\"string_w_integer_value\" : \"1\", \"integer_value\": 1,
\"floating_piont_value\": 1.1, \"json_object\" :
{\"level_1\" : {\"level2_1\":\"a string\", \"level_2_2\":1,
\"level_2_3\":1.11}}, \"array_of_integer\": [1, 2],
\"array_of_float\": [1.11, 2.22],
\"array_of_simple_string\": [\"ab\", \"cd\"],
\"array_of_integer_string\": [\"1\", \"2\"],
```

```
\"array_of_float_string\": [\"1.11\", \"2.22\"],
\"boolean_value\" : true, \"null_value\": null }"
```

GET get_default_mappings_index_mappings

http://localhost:9200/default_mappings_index/_mappings

HEADERS

Content-Type
application/json

```
curl --location --request GET "http://localhost:9200/
default_mappings_index/_mappings"  --header "Content-Type:
application/json"
```

GET get_custom_mappings_index_mappings

http://localhost:9200/custom_mappings_index/_mappings

HEADERS

Content-Type
application/json

```
curl --location --request GET "http://localhost:9200/
custom_mappings_index/_mappings"  --header "Content-Type:
application/json"
```

DEL delete_default_mappings_index

http://localhost:9200/default_mappings_index/

HEADERS

Content-Type
application/json
BODY

```
{
    "mappings": {
        "dynamic_date_formats": ["yyyy/MM/dd"]
    }
}
```

```
curl --location --request DELETE "http://localhost:9200/
default_mappings_index/" --header "Content-Type:
application/json" --data "{ \"mappings\":
{ \"dynamic_date_formats\": [\"yyyy/MM/dd\"] }}"
```

PUT create_default_mappings_index_dynamic_template

http://localhost:9200/default_mappings_index/

HEADERS
```

Content-Type
application/json
BODY

```json
{
    "mappings": {
        "dynamic_templates": [
            {
                "integers_template": {
                    "match_mapping_type": "long",
                    "mapping": {"type": "integer"}
                }
            },
            {
                "field_name_template" :{
                    "match_mapping_type": "string",
                    "match": "*_simple_string",
                    "mapping": {"type": "keyword"}
                }
            },
            {
                "path_match_template":{
                    "path_match":
"json_object.*.level_2_3",
                    "mapping": {"type": "double"}
                }
            }
        ]
    }
}
```

```
curl --location --request PUT "http://localhost:9200/
default_mappings_index/" --header "Content-Type:
application/json" --data "{ \"mappings\":
{ \"dynamic_templates\": [ { \"integers_template\":
{ \"match_mapping_type\": \"long\", \"mapping\": {\"type\":
\"integer\"} } }, { \"field_name_template\" :
```

```
{ \"match_mapping_type\": \"string\", \"match\":
\"*_simple_string\", \"mapping\": {\"type\":
\"keyword\"} } }, { \"path_match_template\":
{ \"path_match\": \"json_object.*.level_2_3\", \"mapping\":
{\"type\": \"double\"} } }] } }"
```

PUT reindex_default_mappings_index_doc_1

http://localhost:9200/default_mappings_index/_doc/1

HEADERS

Content-Type
application/json
BODY

```
{
    "simple_string_value": "a string",
    "string_w_date_value": "2019/02/07",
    "string_w_floating_point_value": "1.11",
    "string_w_integer_value" : "1",
    "integer_value": 1,
    "floating_piont_value": 1.1,
    "json_object" : {"level_1" : {"level2_1":"a string",
"level_2_2":1, "level_2_3":1.11}},
    "array_of_integer": [1, 2],
    "array_of_float": [1.11, 2.22],
    "array_of_simple_string": ["ab", "cd"],
    "array_of_integer_string": ["1", "2"],
    "array_of_float_string": ["1.11", "2.22"],
    "boolean_value" : true,
    "null_value": null
}
```

```
curl --location --request PUT "http://localhost:9200/
```

```
default_mappings_index/_doc/1" --header "Content-Type:
application/json" --data "{ \"simple_string_value\": \"a
string\", \"string_w_date_value\": \"2019/02/07\",
\"string_w_floating_point_value\": \"1.11\",
\"string_w_integer_value\" : \"1\", \"integer_value\": 1,
\"floating_piont_value\": 1.1, \"json_object\" :
{\"level_1\" : {\"level2_1\":\"a string\", \"level_2_2\":1,
\"level_2_3\":1.11}}, \"array_of_integer\": [1, 2],
\"array_of_float\": [1.11, 2.22],
\"array_of_simple_string\": [\"ab\", \"cd\"],
\"array_of_integer_string\": [\"1\", \"2\"],
\"array_of_float_string\": [\"1.11\", \"2.22\"],
\"boolean_value\" : true, \"null_value\": null }"
```

GET
get_default_mappings_index_mappings_dynamic_template
http://localhost:9200/default_mappings_index/_mappings

HEADERS

Content-Type
application/json

```
curl --location --request GET "http://localhost:9200/
default_mappings_index/_mappings" --header "Content-Type:
application/json"
```

PUT create_index_cf_etf_toy
http://localhost:9200/cf_etf_toy

HEADERS

Content-Type
application/json
BODY

```
{
    "mappings": {
        "_meta": {
            "release" : "1.0",
            "version": "1"
        },
        "_routing": {
            "required": true
        },
        "_source": {
            "enabled": false
        }
    }
}
```

```
curl --location --request PUT "http://localhost:9200/
cf_etf_toy" --header "Content-Type: application/json" --
data "{ \"mappings\": { \"_meta\": { \"release\" : \"1.0\",
\"version\": \"1\" }, \"_routing\": { \"required\": true },
\"_source\": { \"enabled\": false } } }"
```

DEL delete_cf_etf_index

http://localhost:9200/cf_etf

HEADERS

Content-Type
application/json
BODY

```
{
    "mappings": {
        "dynamic_date_formats": ["yyyy/MM/dd"]
    }
}
```

```
curl --location --request DELETE "http://localhost:9200/
cf_etf" --header "Content-Type: application/json" --data
"{ \"mappings\": { \"dynamic_date_formats\": [\"yyyy/MM/
dd\"] } }"
```

PUT create_cf_etf_index_with_static_mapping

http://localhost:9200/cf_etf/

HEADERS

Content-Type
application/json
BODY

```
{
    "mappings": {
        "dynamic": false,
        "properties": {
            "symbol": {"type": "keyword"},
            "fund_name": {"type": "text"},
```

```
              "rating": {"type": "byte"},
              "morningstar_category": {"type": "keyword"},
              "category": {"type": "keyword"},
              "family": {"type": "keyword"},
              "market_cap": {"type": "keyword"},
              "description": {"type": "text", "fields":
{"raw": {"type":"keyword"}}}
          }
      }
}
```

Example Request
create_cf_etf_index_with_static_mapping

```
curl --location --request PUT "http://localhost:9200/
cf_etf/" --header "Content-Type: application/json" --data
"{ \"mappings\": { \"dynamic\": false, \"properties\":
{ \"symbol\": {\"type\": \"keyword\"}, \"fund_name\":
{\"type\": \"text\"}, \"rating\": {\"type\": \"byte\"},
\"morningstar_category\": {\"type\": \"keyword\"},
\"category\": {\"type\": \"keyword\"}, \"family\":
{\"type\": \"keyword\"}, \"market_cap\": {\"type\":
\"keyword\"}, \"description\": {\"type\": \"text\",
\"fields\": {\"raw\": {\"type\":\"keyword\"}}} } } }"
```

GET get_cf_etf_index_with_static_mapping

http://localhost:9200/cf_etf/_mappings

HEADERS

Content-Type
application/json

```
curl --location --request GET "http://localhost:9200/
cf_etf/_mappings" --header "Content-Type: application/json"
```

PUT update_static_mapping_to_search

http://localhost:9200/cf_etf/_mappings/_doc

HEADERS

Content-Type
application/json
BODY

```
{
    "dynamic": false,
    "properties": {
        "symbol": {"type": "keyword"},
        "fund_name": {"type": "text"},
        "rating": {"type": "byte"},
        "morningstar_category": {"type": "keyword"},
        "category": {"type": "keyword"},
        "family": {"type": "keyword"},
        "market_cap": {"type": "keyword"},
        "description": {"type": "text", "fields": {"raw":
{"type":"keyword"}}},
        "exchange": {"type": "keyword"}
    }
}
```

```
curl --location --request PUT "http://localhost:9200/
cf_etf/_mappings" --header "Content-Type: application/json"
--data "{ \"dynamic\": false, \"properties\": { \"symbol\":
```

```
{\"type\": \"keyword\"}, \"fund_name\": {\"type\":
\"text\"}, \"rating\": {\"type\": \"byte\"},
\"morningstar_category\": {\"type\": \"keyword\"},
\"category\": {\"type\": \"keyword\"}, \"family\":
{\"type\": \"keyword\"}, \"market_cap\": {\"type\":
\"keyword\"}, \"description\": {\"type\": \"text\",
\"fields\": {\"raw\": {\"type\":\"keyword\"}}},
\"exchange\": {\"type\": \"keyword\"} } }"
```

POST search_NYSE_Arca_after_static_mapping_updated

http://localhost:9200/cf_etf/_search?q=exchange:"NYSE Arca"

HEADERS

Content-Type
application/json
PARAMS

q
exchange:"NYSE Arca"

Example Request
search_NYSE_Arca_after_static_mapping_updated

```
curl --location --request POST "http://localhost:9200/
cf_etf/_search?q=exchange:%22NYSE%20Arca%22" --header
"Content-Type: application/json"
```

GET typeless_get_request_w_include_type_name=false

http://localhost:9200/cf_etf/_mappings?include_type_name=false

HEADERS

Content-Type
application/json
PARAMS

include_type_name
false

Example Request
typeless_get_request_w_include_type_name=false

CHAPTER4