

# Chapter6

## POST count\_etf\_list\_bulk\_indexed\_doc

http://localhost:9200/cf\_etf/\_count

### HEADERS

Content-Type  
application/json

Example Request  
count\_etf\_list\_bulk\_indexed\_doc

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

## POST search\_within\_cf\_etf

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json

Example Request  
search\_within\_cf\_etf

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

## POST search\_within\_cf\_etf\_cf\_view

http://localhost:9200/cf\_etf,cf\_view/\_search

### HEADERS

Content-Type  
application/json

Example Request  
search\_within\_cf\_etf\_cf\_view

```
curl --location --request POST "http://localhost:9200/cf_etf,cf_view/_search" --header "Content-Type: application/json"
```

## POST search\_within\_all\_indices

http://localhost:9200/\_search

### HEADERS

Content-Type  
application/json

Example Request  
search\_within\_all\_indices

```
curl --location --request POST "http://localhost:9200/_search" --header "Content-Type: application/json"
```

**POST** search\_cf\_etf\_from\_size\_sort\_source\_false

http://localhost:9200/cf\_etf/\_search?from=2&size=2&sort=symbol:asc&\_source=false

HEADERS

Content-Type  
application/json  
PARAMS

from  
2  
size  
2  
sort  
symbol:asc  
\_source  
false

Example Request  
search\_cf\_etf\_from\_size\_sort\_source\_false

```
curl --location --request POST "http://localhost:9200/cf_etf/_search?from=2&size=2&sort=symbol:asc&_source=false" --header "Content-Type: application/json"
```

**POST** search\_cf\_etf\_sort\_score

http://localhost:9200/cf\_etf/\_search?q=fund\_name:ishares edge global&from=2&size=2&sort=\_score:asc

HEADERS

Content-Type  
application/json  
PARAMS

q  
fund\_name:ishares edge global  
from  
2  
size  
2  
sort  
\_score:asc

Example Request  
search\_cf\_etf\_sort\_score

```
curl --location --request POST "http://localhost:9200/cf_etf/_search?q=fund_name:ishares%20edge%20global&from=2&size=2&sort=_score:asc" --header "Content-Type: application/json"
```

## POST search\_query\_default\_operator

http://localhost:9200/cf\_etf/\_search?q=fund\_name:ishares edge global&default\_operator=AND

### HEADERS

Content-Type  
application/json  
PARAMS

q  
fund\_name:ishares edge global  
default\_operator  
AND

Example Request  
search\_query\_default\_operator

```
curl --location --request POST "http://localhost:9200/cf_etf/_search?q=fund_name:ishares%20edge%20global&default_operator=AND" --header "Content-Type: application/json"
```

## POST search\_query\_default\_operator\_explain

http://localhost:9200/cf\_etf/\_search?q=fund\_name:ishares edge global&default\_operator=AND&explain=true

### HEADERS

Content-Type  
application/json  
PARAMS

q  
fund\_name:ishares edge global  
default\_operator  
AND  
explain  
true

Example Request  
search\_query\_default\_operator\_explain

```
curl --location --request POST "http://localhost:9200/cf_etf/_search?q=fund_name:ishares%20edge%20global&default_operator=AND&explain=true" --header "Content-Type: application/json"
```

## POST search\_query\_keyword\_analyzer

http://localhost:9200/cf\_etf/\_search?q=fund\_name:ishares edge global&default\_operator=AND&analyzer=keyword

### HEADERS

Content-Type  
application/json  
PARAMS

q  
fund\_name:ishares edge global  
default\_operator

AND  
analyzer  
keyword

Example Request  
search\_query\_keyword\_analyzer

```
curl --location --request POST "http://localhost:9200/cf_etf/_search?q=fund_name:ishares%20edge%20global&default_operator=AND&analyzer=keyword" --header "Content-Type: application/json" --data ""
```

POST request\_body\_search\_fund\_name\_w\_3\_words

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "fund_name:ishares edge global",
      "default_operator": "AND"
    }
  }
}
```

Example Request  
request\_body\_search\_fund\_name\_w\_3\_words

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"fund_name:ishares edge global\", \"default_operator\": \"AND\" } } }"
```

POST request\_body\_search\_from\_size\_sort\_source\_false

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "from":2,
  "size":2,
  "sort":{"symbol":"asc"},
  "_source":false
}
```

Example Request  
request\_body\_search\_from\_size\_sort\_source\_false

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type:
```

```
application/json" --data "{ \"from\":2, \"size\":2, \"sort\":{\"symbol\":\"asc\"},
\"_source\":false }"
```

## POST request\_body\_search\_sort\_rating\_symbol

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "fund_name:ishares edge msci",
      "default_operator": "AND"
    }
  },
  "sort":{"rating":"desc", "symbol":"asc"}
}
```

### Example Request

request\_body\_search\_sort\_rating\_symbol

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"fund_name:ishares edge msci\", \"default_operator\": \"AND\" } }, \"sort\":{\"rating\":\"desc\", \"symbol\":\"asc\"} }"
```

## POST search\_query\_scroll\_1

http://localhost:9200/cf\_etf/\_search?scroll=10m

### HEADERS

Content-Type  
application/json  
PARAMS

scroll  
10m  
BODY

```
{
  "size": 313
}
```

### Example Request

search\_query\_scroll\_1

```
curl --location --request POST "http://localhost:9200/cf_etf/_search?scroll=10m" --header "Content-Type: application/json" --data "{ \"size\": 313 }"
```

## POST search\_query\_scroll\_2

http://localhost:9200/\_search/scroll

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "scroll": "10m",
  "scroll_id": "DXF1ZXJ5QW5kRmV0Y2gBAAAAAAAAANQWNWdUemoybmFSOUNvM3gwQkRZT0xBQQ=="
}
```

Example Request  
search\_query\_scroll\_2

```
curl --location --request POST "http://localhost:9200/_search/scroll" --header "Content-Type: application/json" --data "{ \"scroll\": \"10m\", \"scroll_id\": \"DXF1ZXJ5QW5kRmV0Y2gBAAAAAAAAANQWNWdUemoybmFSOUNvM3gwQkRZT0xBQQ==\" }"
```

POST search\_query\_scroll\_3

http://localhost:9200/\_search/scroll

HEADERS

Content-Type  
application/json  
BODY

```
{
  "scroll": "10m",
  "scroll_id": "DXF1ZXJ5QW5kRmV0Y2gBAAAAAAAAANQWNWdUemoybmFSOUNvM3gwQkRZT0xBQQ=="
}
```

Example Request  
search\_query\_scroll\_3

```
curl --location --request POST "http://localhost:9200/_search/scroll" --header "Content-Type: application/json" --data "{ \"scroll\": \"10m\", \"scroll_id\": \"DXF1ZXJ5QW5kRmV0Y2gBAAAAAAAAANQWNWdUemoybmFSOUNvM3gwQkRZT0xBQQ==\" }"
```

DEL delete\_scroll context

http://localhost:9200/\_search/scroll

HEADERS

Content-Type  
application/json  
BODY

```
{
  "scroll_id": [ "DXF1ZXJ5QW5kRmV0Y2gBAAAAAAAAANQWNWdUemoybmFSOUNvM3gwQkRZT0xBQQ==" ]
}
```

Example Request  
delete\_scroll context

```
curl --location --request DELETE "http://localhost:9200/_search/scroll" --header "Content-Type: application/json" --data "{ \"scroll_id\":
```

[\"DXF1ZXJ5QW5kRmV0Y2gBAAAAAAAAAANQWNWdUemoybmFSOUNvM3gwQkRZT0xBQQ==\"] }"

POST request\_body\_search\_after

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "size":2,
  "sort": {
    "rating":"desc",
    "symbol":"asc"
  },
  "search_after": [5, "EES"]
}
```

Example Request  
request\_body\_search\_after

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"size\":2, \"sort\": { \"rating\": \"desc\", \"symbol\": \"asc\" }, \"search_after\": [5, \"EES\"] }"
```

POST request\_body\_search\_rescore\_original

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "description:emerging non-diversified high-yield gobal dividend",
      "analyzer":"description_analyzer"
    }
  }
}
```

Example Request  
request\_body\_search\_rescore\_original

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"description:emerging non-diversified high-yield gobal dividend\", \"analyzer\": \"description_analyzer\" } } }"
```

POST request\_body\_search\_rescore

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "description:emerging non-diversified high-yield gobal dividend",
      "analyzer": "description_analyzer"
    }
  },
  "rescore": {
    "window_size": 500,
    "query": {
      "rescore_query": {
        "query_string": {
          "query": "description:global",
          "analyzer": "description_analyzer"
        }
      }
    },
    "query_weight" : 0.1,
    "rescore_query_weight" : 0.9
  }
}
```

Example Request  
[request\\_body\\_search\\_rescore](#)

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"description:emerging non-diversified high-yield gobal dividend\", \"analyzer\": \"description_analyzer\" } }, \"rescore\": { \"window_size\": 500, \"query\": { \"rescore_query\": { \"query_string\": { \"query\": \"description:global\", \"analyzer\": \"description_analyzer\" } }, \"query_weight\" : 0.1, \"rescore_query_weight\" : 0.9 } } } }
```

POST request\_body\_search\_rescore\_mode

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "description:emerging non-diversified high-yield gobal",
      "analyzer": "description_analyzer"
    }
  },
  "rescore": {
    "window_size": 100,
    "query": {
      "rescore_query": {
        "query_string": {
          "query": "description:global",

```



```
        "analyzer": "description_analyzer"
      },
      "score_mode": "avg"
    }
  }
}
```

Example Request

request\_body\_search\_rescore\_mode

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"description:emerging non-diversified high-yield gobal\", \"analyzer\": \"description_analyzer\" } }, \"rescore\": { \"window_size\": 100, \"query\": { \"rescore_query\": { \"query_string\": { \"query\": \"description:global\", \"analyzer\": \"description_analyzer\" } }, \"score_mode\": \"avg\" } } } }
```

POST request\_body\_search\_script\_evaluate\_doc

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "description:emerging non-diversified high-yield gobal",
      "analyzer": "description_analyzer"
    }
  },
  "script_fields": {
    "test": {
      "script": "doc['symbol']"
    }
  }
}
```

Example Request

request\_body\_search\_script\_evaluate\_doc

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"description:emerging non-diversified high-yield gobal\", \"analyzer\": \"description_analyzer\" } }, \"script_fields\": { \"test\": { \"script\": \"doc['symbol']\" } } } }
```

POST request\_body\_search\_script\_evaluation\_source

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "description:emerging non-diversified high-yield gobal",
      "analyzer":"description_analyzer"
    }
  },
  "script_fields": {
    "test": {
      "script": "doc['symbol']"
    }
  }
}
```

Example Request  
request\_body\_search\_script\_evaluation\_source

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"description:emerging non-diversified high-yield gobal\", \"analyzer\": \"description_analyzer\" } }, \"script_fields\": { \"test\": { \"script\": \"doc['symbol']\" } } }"
```

## POST request\_body\_search\_named\_queries

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "bool": {
      "should": [
        { "query_string": {
          "_name": "Asia",
          "query": "description:asia",
          "analyzer": "description_analyzer"
        } },
        { "query_string": {
          "_name": "usa",
          "query": "description:usa",
          "analyzer": "description_analyzer"
        } },
        { "query_string": {
          "_name": "europe",
          "query": "description:europe",
          "analyzer": "description_analyzer"
        } }
      ]
    }
  }
}
```

Example Request  
request\_body\_search\_named\_queries

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"bool\": { \"should\": [ { \"query_string\": {
```

```
\"_name\": \"Asia\", \"query\": \"description:asia\", \"analyzer\": \"description_analyzer\" }},
{ \"query_string\": { \"_name\": \"usa\", \"query\": \"description:usa\",
\"analyzer\": \"description_analyzer\" }}, { \"query_string\": { \"_name\": \"europe\", \"query\":
\"description:europe\", \"analyzer\": \"description_analyzer\" } } ] } }
```

## POST request\_body\_search\_field\_collapse

[http://localhost:9200/cf\\_etf/\\_search](http://localhost:9200/cf_etf/_search)

## HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "range": {"rating":{"gte":4}}
  },
  "collapse" : {
    "field":"rating"
  }
}
```

### Example Request

request\_body\_search\_field\_collapse

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"range\": { \"rating\": { \"gte\": 4 } } }, \"collapse\" : { \"field\": \"rating\" } }"
```

## POST multi\_search\_api

http://localhost:9200/cf\_etf/\_msearch

## HEADERS

```
Content-Type
application/json
BODY
```

```
{ "index": "cf_etf" }
{ "query": { "bool": { "must_not": { "exists": { "field": "rating" } } } } }
{ "index": "cf_view" }
{ "query": { "bool": { "must not": { "exists": { "field": "rating" } } } } }
```

## Example Request

multi\_search\_api

```
curl --location --request POST "http://localhost:9200/cf_etf/_msearch" --header "Content-Type: application/json" --data '{"index":"cf_etf"\n{"query":{"bool":{"must_not":{"exists":{"field":"rating"}}}}}\n{"index":"cf_view"\n{"query":{"bool":{"must_not":{"exists":{"field":"rating"}}}}}\n'
```

## POST highlighting

http://localhost:9200/cf\_etf/\_search

## HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "bool": {
      "should": [
        { "query_string": {
          "query": "description:asia",
          "analyzer": "description_analyzer"
        } },
        { "query_string": {
          "query": "description:usa",
          "analyzer": "description_analyzer"
        } },
        { "query_string": {
          "query": "description:europe",
          "analyzer": "description_analyzer"
        } }
      ]
    }
  },
  "highlight": {
    "fields": {
      "description": {}
    }
  }
}
```

Example Request  
highlighting

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"bool\": { \"should\": [ {\"query_string\": { \"query\": \"description:asia\", \"analyzer\": \"description_analyzer\" }}, {\"query_string\": { \"query\": \"description:usa\", \"analyzer\": \"description_analyzer\" }}, {\"query_string\": { \"query\": \"description:europe\", \"analyzer\": \"description_analyzer\" } } ] } }, \"highlight\": { \"fields\": { \"description\": {} } } } }
```

POST highlighting\_number\_of\_fragments\_0

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "bool": {
      "must": [
        { "match": { "description": "index" } }
      ]
    }
  },
  "highlight": {
    "fields": {
      "description": { "number_of_fragments": 0 }
    }
  }
}
```

```
    }
  }
}
```

Example Request  
highlighting\_number\_of\_fragments\_0

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"bool\": { \"must\": [ {\"match\": {\"description\": \"index\"}} ] } }, \"highlight\": { \"fields\": { \"description\": {\"number_of_fragments\": 0} } } }"
```

## POST highlighting\_fragment\_size\_20

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "bool": {
      "must": [
        { "match": { "description": "index" } }
      ]
    }
  },
  "highlight": {
    "fields": {
      "description": { "fragment_size": 20 }
    }
  }
}
```

Example Request  
highlighting\_fragment\_size\_20

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"bool\": { \"must\": [ {\"match\": {\"description\": \"index\"}} ] } }, \"highlight\": { \"fields\": { \"description\": {\"fragment_size\": 20} } } }"
```

## POST highlighting\_no\_match\_size\_20

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "bool": {
      "should": [
```

```
        {"match":{"description":"asia"}},
        {"match":{"fund_name":"global"}}
    ]
  },
  "highlight": {
    "no_match_size":20,
    "fields":{"
      "description":{}
    }
  }
}
```

Example Request  
highlighting\_no\_match\_size\_20

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"bool\": { \"should\": [ {\"match\": {\"description\":\"asia\"}}, {\"match\":{\"fund_name\":\"global\"}} ] } }, \"highlight\": { \"no_match_size\":20, \"fields\":{\"description\":{} } } }"
```

## POST highlighting\_highlight\_fields\_unordered

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "multi_match": {
      "query": "asia",
      "fields": ["fund_name", "description"]
    }
  },
  "highlight": {
    "fields":{"
      "fund_name":{},
      "description":{}
    }
  }
}
```

Example Request  
highlighting\_highlight\_fields\_unordered

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"multi_match\": { \"query\": \"asia\", \"fields\": [\"fund_name\", \"description\"] } }, \"highlight\": { \"fields\":{\"fund_name\":{}, \"description\":{} } } }"
```

## POST highlighting\_highlight\_field\_order\_score

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "match": {"description": "index"}
  },
  "highlight": {
    "number_of_fragments" : 3,
    "fragment_size":20,
    "order": "score",
    "fields":{
      "description":{}
    }
  }
}
```

Example Request  
highlighting\_highlight\_field\_order\_score

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"match\": {\"description\": \"index\"} }, \"highlight\": { \"number_of_fragments\" : 3, \"fragment_size\":20, \"order\": \"score\", \"fields\": { \"description\": {} } } }"
```

**POST** highlighting\_multi\_match

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "multi_match": {
      "query": "asia",
      "fields": ["fund_name", "description"]
    }
  },
  "highlight": {
    "fields": [
      {"fund_name": {}},
      {"description": {}}
    ]
  }
}
```

Example Request  
highlighting\_multi\_match

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"multi_match\": { \"query\": \"asia\", \"fields\": [\"fund_name\", \"description\"] } }, \"highlight\": { \"fields\": [ {\"fund_name\": {}}, {\"description\": {}} ] } }"
```

# POST highlighting\_fragmenter\_plain\_span

http://localhost:9200/cf\_etf/\_search

## HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "match_phrase": {
      "description": "NASDAQ US Benchmark"
    }
  },
  "highlight": {
    "type": "plain",
    "fragmenter": "span",
    "fields": {
      "description": {}
    }
  }
}
```

Example Request  
highlighting\_fragmenter\_plain\_span

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"match_phrase\": { \"description\": \"NASDAQ US Benchmark\" } }, \"highlight\": { \"type\": \"plain\", \"fragmenter\": \"span\", \"fields\": { \"description\": {} } } }"
```

# POST highlighting\_require\_field\_match\_false

http://localhost:9200/cf\_etf/\_search

## HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "bool": {
      "should": [
        { "match": { "description": "asia" } },
        { "match": { "fund_name": "global" } }
      ]
    }
  },
  "highlight": {
    "require_field_match": false,
    "fields": {
      "description": {}
    }
  }
}
```

Example Request



highlighting\_require\_field\_match\_false

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"bool\": { \"should\": [ {\"match\": {\"description\": \"asia\"}}, {\"match\": {\"fund_name\": \"global\"}} ] } }, \"highlight\": { \"require_field_match\": false, \"fields\": { \"description\": {} } } } }
```

POST highlighting\_tags\_schema

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "bool": {
      "should": [
        { "query_string": {
          "query": "description:asia",
          "analyzer": "description_analyzer"
        } },
        { "query_string": {
          "query": "description:usa",
          "analyzer": "description_analyzer"
        } },
        { "query_string": {
          "query": "description:europe",
          "analyzer": "description_analyzer"
        } }
      ]
    }
  },
  "highlight": {
    "tags_schema": "styled",
    "fields": {
      "symbol": {},
      "description": {}
    }
  }
}
```

Example Request  
highlighting\_tags\_schema

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"bool\": { \"should\": [ {\"query_string\": { \"query\": \"description:asia\", \"analyzer\": \"description_analyzer\" } }, {\"query_string\": { \"query\": \"description:usa\", \"analyzer\": \"description_analyzer\" } }, {\"query_string\": { \"query\": \"description:europe\", \"analyzer\": \"description_analyzer\" } } ] } }, \"highlight\": { \"tags_schema\": \"styled\", \"fields\": { \"symbol\": {}, \"description\": {} } } } }
```

POST highlighting\_boundary\_scanner

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "multi_match": {
      "query": "pacific",
      "fields": ["description", "fund_name"]
    }
  },
  "highlight": {
    "boundary_scanner_locale": "en-US",
    "fields": {
      "description": { "boundary_scanner" : "sentence" },
      "fund_name": { "boundary_scanner" : "word" }
    }
  }
}
```

Example Request  
highlighting\_boundary\_scanner

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"multi_match\": { \"query\": \"pacific\", \"fields\": [\"description\", \"fund_name\"] } }, \"highlight\": { \"boundary_scanner_locale\": \"en-US\", \"fields\": { \"description\": { \"boundary_scanner\" : \"sentence\" }, \"fund_name\": { \"boundary_scanner\" : \"word\" } } } }
```

POST match\_query\_or

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "match": {
      "fund_name": {
        "query": "ishares global"
      }
    }
  }
}
```

Example Request  
match\_query\_or

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"match\": { \"fund_name\": { \"query\": \"ishares global\" } } } }
```

POST match\_query\_and

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "match": {
      "fund_name": {
        "query": "ishares global",
        "operator": "and"
      }
    }
  }
}
```

Example Request  
match\_query\_and

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"match\": { \"fund_name\": { \"query\": \"ishares global\", \"operator\": \"and\" } } } }"
```

POST match\_query\_fuzziness\_2

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "match": {
      "fund_name": {
        "query": "ishares global",
        "operator": "and",
        "fuzziness":2
      }
    }
  }
}
```

Example Request  
match\_query\_fuzziness\_2

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"match\": { \"fund_name\": { \"query\": \"ishares global\", \"operator\": \"and\", \"fuzziness\":2 } } } }"
```

GET match\_query\_zero\_terms\_query\_all

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type

application/json  
BODY

```
{
  "query": {
    "match": {
      "fund_name": {
        "query": "to be",
        "zero_terms_query": "all"
      }
    }
  }
}
```

Example Request  
match\_query\_zero\_terms\_query\_all

```
curl --location --request GET "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"match\": { \"fund_name\": { \"query\": \"to be\", \"zero_terms_query\": \"all\" } } } }"
```

POST match\_query\_cutoff\_frequency\_10  
http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "match": {
      "fund_name": {
        "query": "usa global emerging",
        "cutoff_frequency": 10
      }
    }
  }
}
```

Example Request  
match\_query\_cutoff\_frequency\_10

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"match\": { \"fund_name\": { \"query\": \"usa global emerging\", \"cutoff_frequency\": 10 } } } }"
```

POST match\_phrase\_query  
http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
```

```
{
  "query": {
    "match_phrase": {
      "fund_name": {
        "query": "iShares MSCI ACWI ETF"
      }
    }
  }
}
```

Example Request  
match\_phrase\_query

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"match_phrase\": { \"fund_name\": { \"query\": \"iShares MSCI ACWI ETF\" } } } }"
```

## POST match\_phrase\_query\_prefix

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "match_phrase_prefix": {
      "description": {
        "query": "The investment seeks to track"
      }
    }
  }
}
```

Example Request  
match\_phrase\_query\_prefix

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"match_phrase_prefix\": { \"description\": { \"query\": \"The investment seeks to track\" } } } }"
```

## POST query\_string\_colon\_character

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "fund_name:ishares"
    }
  }
}
```

Example Request  
query\_string\_colon\_character

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"fund_name:ishares\" } } }"
```

POST query\_string\_grouping  
http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "fund_name:(usa || asia)"
    }
  }
}
```

Example Request  
query\_string\_grouping

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"fund_name:(usa || asia)\" } } }"
```

POST query\_string\_boolean\_characters  
http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "fund_name:((usa || asia) && emerging && ! global)"
    }
  }
}
```

Example Request  
query\_string\_boolean\_characters

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"fund_name:((usa || asia) && emerging && ! global)\" } } }"
```

## POST query\_string\_boolean\_op

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "rating:>=4"
    }
  }
}
```

Example Request  
query\_string\_boolean\_op

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"rating:>=4\" } } }"
```

## POST query\_string\_wildcard

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "symbol:ACW*"
    }
  }
}
```

Example Request  
query\_string\_wildcard

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"symbol:ACW*\" } } }"
```

## POST query\_string\_exact\_phrase

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
```

```
      "query_string": {
        "query": "fund_name:\"iShares MSCI ACWI ETF\""
      }
    }
  }
}
```

Example Request  
query\_string\_exact\_phrase

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"fund_name:\\\"iShares MSCI ACWI ETF\\\"\" } } }"
```

## POST query\_string\_fuzziness

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "fund_name:(ishares~ && global~)"
    }
  }
}
```

Example Request  
query\_string\_fuzziness

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"fund_name:(ishares~ && global~)\" } } }"
```

## POST query\_string\_regex

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "symbol://ACW?//"
    }
  }
}
```

Example Request  
query\_string\_regex



```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"query_string\": { \"query\": \"symbol://ACW?//\\\" } } }"
```

POST query\_string\_boosting

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "query_string": {
      "query": "fund_name:(ishares global^2)"
    }
  }
}
```

Example Request  
query\_string\_boosting

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data '${\"query\":{\"query_string\":{\"query\":\"fund_name:(ishares global^2)\"}}}'
```

POST query\_string\_range\_query

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "sort":{"rating":"desc"},
  "query": {
    "query_string": {
      "query": "rating:[1 TO 3]"
    }
  }
}
```

Example Request  
query\_string\_range\_query

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"sort\":{\"rating\":\"desc\"}, \"query\": { \"query_string\": { \"query\": \"rating:[1 TO 3]\" } } }"
```

POST query\_string\_multiple\_fields

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "sort":{"rating":"desc"},
  "query": {
    "query_string": {
      "fields": ["fund_name", "description"],
      "query": "emerging"
    }
  }
}
```

Example Request  
query\_string\_multiple\_fields

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"sort\":{\"rating\":\"desc\"}, \"query\": { \"query_string\": { \"fields\": [\"fund_name\", \"description\"], \"query\": \"emerging\" } } }"
```

POST simple\_query\_string\_boolean\_AND

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "sort":{"rating":"desc"},
  "query": {
    "simple_query_string": {
      "fields": ["fund_name"],
      "query": "ishares + global"
    }
  }
}
```

Example Request  
simple\_query\_string\_boolean\_AND

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"sort\":{\"rating\":\"desc\"}, \"query\": { \"simple_query_string\": { \"fields\": [\"fund_name\"], \"query\": \"ishares + global\" } } }"
```

POST simple\_query\_string\_boolean\_OR

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

{

```
    "sort":{"rating":"desc"},
    "query": {
      "simple_query_string": {
        "fields": ["fund_name"],
        "query": "ishares | global"
      }
    }
  }
}
```

Example Request  
simple\_query\_string\_boolean\_OR

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"sort\":{\"rating\":\"desc\"}, \"query\": { \"simple_query_string\": { \"fields\": [\"fund_name\"], \"query\": \"ishares | global\" } } }"
```

## POST simple\_query\_string\_must\_not\_match

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "sort":{"rating":"desc"},
  "query": {
    "simple_query_string": {
      "fields": ["fund_name"],
      "query": "-ishares + -global"
    }
  }
}
```

Example Request  
simple\_query\_string\_must\_not\_match

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"sort\":{\"rating\":\"desc\"}, \"query\": { \"simple_query_string\": { \"fields\": [\"fund_name\"], \"query\": \"-ishares + -global\" } } }"
```

## POST simple\_query\_string\_match\_phrase

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "sort":{"rating":"desc"},
  "query": {
    "simple_query_string": {
      "fields": ["fund_name"],
      "query": "\"iShares MSCI ACWI ETF\""
    }
  }
}
```

```
}  
}
```

Example Request  
simple\_query\_string\_match\_phrase

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"sort\":{\"rating\": \"desc\"}, \"query\": { \"simple_query_string\": { \"fields\": [\"fund_name\"], \"query\": \"\\\\\\\\iShares MSCI ACWI ETF\\\\\\\\\" } } }"
```

## POST simple\_query\_string\_fuzziness

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{  
  "sort": {"rating": "desc"},  
  "query": {  
    "simple_query_string": {  
      "fields": ["fund_name"],  
      "query": "global~"  
    }  
  }  
}
```

Example Request  
simple\_query\_string\_fuzziness

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"sort\":{\"rating\": \"desc\"}, \"query\": { \"simple_query_string\": { \"fields\": [\"fund_name\"], \"query\": \"global~\" } } }"
```

## POST simple\_query\_string\_prefix

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{  
  "sort": {"rating": "desc"},  
  "query": {  
    "simple_query_string": {  
      "fields": ["fund_name"],  
      "query": "ishares~"  
    }  
  }  
}
```

Example Request  
simple\_query\_string\_prefix

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"sort\":{\"rating\": \"desc\"}, \"query\": { \"simple_query_string\": { \"fields\": [\"fund_name\"], \"query\": \"ishares~\" } } }"
```

## POST simple\_query\_string\_precedence

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "sort": {"rating": "desc"},
  "query": {
    "simple_query_string": {
      "fields": ["fund_name"],
      "query": "(usa | asia) + emerging"
    }
  }
}
```

Example Request  
simple\_query\_string\_precedence

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"sort\":{\"rating\": \"desc\"}, \"query\": { \"simple_query_string\": { \"fields\": [\"fund_name\"], \"query\": \"(usa | asia) + emerging\" } } }"
```

## POST intervals\_query\_order\_and\_max\_gap

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "size": 50,
  "query": {
    "intervals": {
      "fund_name": {
        "all_of": {
          "ordered": true,
          "intervals": [
            { "match": { "query": "MSCI Markets", "max_gaps" : 1 } },
            { "match": { "query": "ETF" } }
          ]
        }
      }
    }
  }
}
```

Example Request  
intervals\_query\_order\_and\_max\_gap

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"size\":50, \"query\": { \"intervals\": { \"fund_name\": { \"all_of\": { \"ordered\":true, \"intervals\":[ {\"match\": {\"query\": \"MSCI Markets\", \"max_gaps\" : 1}}, {\"match\": {\"query\": \"ETF\"}} ] } } } } }
```

POST intervals\_query\_max\_gap\_not\_match

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "size":50,
  "query": {
    "intervals": {
      "fund_name": {
        "all_of": {
          "ordered":true,
          "intervals":[
            {"match": {"query":"MSCI Markets", "max_gaps" : 0}},
            {"match": {"query": "ETF"}}
          ]
        }
      }
    }
  }
}
```

Example Request  
intervals\_query\_max\_gap\_not\_match

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"size\":50, \"query\": { \"intervals\": { \"fund_name\": { \"all_of\": { \"ordered\":true, \"intervals\":[ {\"match\": {\"query\": \"MSCI Markets\", \"max_gaps\" : 0}}, {\"match\": {\"query\": \"ETF\"}} ] } } } } }
```

POST intervals\_query\_order\_not\_match

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "size":50,
  "query": {
    "intervals": {
      "fund_name": {
        "all_of": {
          "ordered":true,
```

```
        "intervals": [
            {
                "match": {
                    "query": "ETF"
                }
            },
            {
                "match": {
                    "query": "MSCI Markets",
                    "max_gaps": 1
                }
            }
        ]
    }
}
```

Example Request  
intervals\_query\_order\_not\_match

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"size\":50, \"query\": { \"intervals\": { \"fund_name\": { \"all_of\": { \"ordered\":true, \"intervals\":[ {\"match\": {\"query\": \"ETF\"}}, {\"match\": {\"query\": \"MSCI Markets\", \"max_gaps\" : 1}} ] } } } } }
```

## POST term\_query\_term

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "term": {
      "symbol": "ACWI"
    }
  }
}
```

Example Request  
term\_query\_term

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"term\": { \"symbol\": \"ACWI\" } } }
```

## POST term\_query\_terms

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "terms": {
      "symbol": [ "ACWI", "ACWF" ]
    }
  }
}
```

Example Request  
term\_query\_terms

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"terms\": { \"symbol\": [\"ACWI\", \"ACWF\"] } } }"
```

**POST** term\_query\_range  
http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "range": {
      "rating": {
        "gte": 3,
        "lt": 5
      }
    }
  }
}
```

Example Request  
term\_query\_range

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"range\": { \"rating\": { \"gte\": 3, \"lt\": 5 } } } }"
```

**POST** term\_query\_exists  
http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "exists": {      "field": "fund_name"
    }
  }
}
```

Example Request  
term\_query\_exists

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \
--header "Content-Type: application/json" \
--data "{
  \"query\": {
    \"exists\": {    \"field\": \"fund_name\"
    }
  }
}
```



```
}
}"
```

## POST term\_query\_prefix

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "prefix": {
      "symbol": "ACW"
    }
  }
}
```

Example Request  
term\_query\_prefix

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{\"query\":{\"prefix\":{\"symbol\":\"ACW\"}}}"
```

## POST term\_query\_wildcard

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "wildcard": {
      "symbol": "A*I"
    }
  }
}
```

Example Request  
term\_query\_wildcard

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"wildcard\": {\"symbol\":\"A*I\"} } }"
```

## POST term\_query\_regexp

http://localhost:9200/cf\_etf/\_search

### HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "regexp": {
      "symbol": "ACW[ IF]"
    }
  }
}
```

```
}  
}
```

Example Request  
term\_query\_regexp

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"regexp\": {\"symbol\": \"ACW[IF]\"} } }"
```

**POST** term\_query\_fuzzy  
http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{  
  "query": {  
    "fuzzy": { "symbol": "ACW~"}  
  }  
}
```

Example Request  
term\_query\_fuzzy

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"fuzzy\": {\"symbol\": \"ACW~\"} } }"
```

**POST** term\_query\_ids  
http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{  
  "query": {  
    "ids": { "values": ["oU2jLGkB_W0hQaVaoEie", "o02jLGkB_W0hQaVaoEif"]}  
  }  
}
```

Example Request  
term\_query\_ids

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \ --header "Content-Type: application/json" \ --data "{ \"query\": { \"ids\": {\"values\": [\"oU2jLGkB_W0hQaVaoEie\", \"o02jLGkB_W0hQaVaoEif\"]} } }"
```

**POST** script\_query  
http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "bool": {
      "must": {"match_phrase_prefix": {"fund_name": "ishares edge" }},
      "filter": {
        "script": {
          "script": {
            "lang": "painless",
            "source": "if (!doc['rating'].empty &&
doc['rating'].value >= 4) return true; else false;"
          }
        }
      }
    }
  }
}
```

Example Request  
script\_query

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data '${ \"query\": { \"bool\": { \"must\": {\"match_phrase_prefix\": {\"fund_name\": \"ishares edge\" }}, \"filter\": { \"script\": { \"script\": { \"lang\": \"painless\", \"source\": \"if (!doc[\\'rating\\'].empty && doc[\\'rating\\'].value >= 4) return true; else false;\" } } } } } }'
```

POST bool\_query

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "bool": {
      "must": {"match_phrase_prefix": {"fund_name": "ishares edge" }},
      "must_not": {"match": {"fund_name": "global"}}
    }
  }
}
```

Example Request  
bool\_query

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"bool\": { \"must\": {\"match_phrase_prefix\": {\"fund_name\": \"ishares edge\" }}, \"must_not\": {\"match\": {\"fund_name\": \"global\"}} } } }"
```

POST boosting\_query

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "boosting": {
      "positive": {"match_phrase_prefix": {"fund_name": "ishares edge" }},
      "negative": {"term":{"category":"Equity"}},
      "negative_boost":0.1
    }
  }
}
```

Example Request  
boosting\_query

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"boosting\": { \"positive\": {\"match_phrase_prefix\": {\"fund_name\": \"ishares edge\" }}, \"negative\": {\"term\":{\"category\":\"Equity\"}}, \"negative_boost\":0.1 } } }"
```

POST dismax\_query\_query\_1

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "dis_max": {
      "queries": [
        {"match_phrase": {"fund_name": "ishares edge" }}
      ]
    }
  }
}
```

Example Request  
dismax\_query\_query\_1

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"dis_max\": { \"queries\": [ {\"match_phrase\": {\"fund_name\": \"ishares edge\" } } ] } } }"
```

POST dismax\_query\_query\_2

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json

BODY

```
{
  "query": {
    "dis_max": {
      "queries": [
        {"match": {"morningstar_category": "World Large Stock"}}
      ]
    }
  }
}
```

Example Request

dismax\_query\_query\_2

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"dis_max\": { \"queries\": [ {\"match\": {\"morningstar_category\": \"World Large Stock\"}} ] } } }"
```

POST dismax\_query\_query\_1&2

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json

BODY

```
{
  "query": {
    "dis_max": {
      "queries": [
        {"match_phrase": {"fund_name": "ishares edge" }},
        {"match": {"morningstar_category": "World Large Stock"}}
      ]
    }
  }
}
```

Example Request

dismax\_query\_query\_1&2

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"dis_max\": { \"queries\": [ {\"match_phrase\": {\"fund_name\": \"ishares edge\" }}, {\"match\": {\"morningstar_category\": \"World Large Stock\"}} ] } } }"
```

POST function\_score\_query

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json

BODY

```
{
  "query": {
```

```
      "function_score": {
        "query": { "match_phrase": { "fund_name": "ishares edge" } },
        "functions": [
          { "filter": { "wildcard": { "morningstar_category": "*Stock" } } },
          { "filter": { "wildcard": { "morningstar_category": "*Growth" } } },
          { "filter": { "wildcard": { "morningstar_category": "*Blend" } } },
        ]
      }
    }
  }
}
```

Example Request  
function\_score\_query

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"query\": { \"function_score\": { \"query\": {\"match_phrase\": {\"fund_name\": \"ishares edge\" }}, \"functions\":[ {\"filter\":{\"wildcard\": {\"morningstar_category\": \"*Stock\"}}, \"weight\":2}, {\"filter\":{\"wildcard\": {\"morningstar_category\": \"*Growth\"}}, \"weight\":1.5}, {\"filter\":{\"wildcard\": {\"morningstar_category\": \"*Blend\"}}, \"weight\":0.5} ] } } }
```

**POST** explain\_api  
http://localhost:9200/cf\_etf/\_explain/o02jLGkB\_W0hQaVaoEif

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "match": { "fund_name": "ishares edge global" }
  }
}
```

Example Request  
explain\_api

```
curl --location --request POST "http://localhost:9200/cf_etf/_explain/o02jLGkB_W0hQaVaoEif" --header "Content-Type: application/json" --data "{ \"query\": { \"match\": {\"fund_name\": \"ishares edge global\"} } }
```

**POST** validate\_api  
http://localhost:9200/cf\_etf/\_validate/query?explain=true

HEADERS

Content-Type  
application/json  
PARAMS

explain  
true  
BODY

```
{
  "query": {
    "match": {"rating": "five"}
  }
}
```

Example Request  
validate\_api

```
curl --location --request POST "http://localhost:9200/cf_etf/_validate/query?explain=true" --header "Content-Type: application/json" --data "{ \"query\": { \"match\": {\"rating\": \"five\"} } }"
```

## POST search\_count\_api\_fund\_name\_w\_asia

http://localhost:9200/cf\_etf/\_count

HEADERS

Content-Type  
application/json  
BODY

```
{
  "query": {
    "term": {"fund_name": "asia"}
  }
}
```

Example Request  
search\_count\_api\_fund\_name\_w\_asia

```
curl --location --request POST "http://localhost:9200/cf_etf/_count" --header "Content-Type: application/json" --data "{ \"query\": { \"term\": {\"fund_name\": \"asia\"} } }"
```

## GET field\_capabilities

http://localhost:9200/\_field\_caps?fields=fund\_name,description

HEADERS

Content-Type  
application/json  
PARAMS

fields  
fund\_name,description

Example Request  
field\_capabilities

```
curl --location --request GET "http://localhost:9200/_field_caps?fields=fund_name,description" --header "Content-Type: application/json"
```

## POST ranking\_evaluation

http://localhost:9200/cf\_etf/\_rank\_eval

HEADERS

Content-Type  
application/json  
BODY

```
{
  "requests": [
    {
      "id": "Asia",
      "request":{"query": {"match":{"description":"asia"}}},
      "ratings": []
    },
    {
      "id": "Global",
      "request":{"query": {"match":{"description":"global"}}},
      "ratings": []
    }
  ],
  "metric": {
    "precision": {
      "k" : 3,
      "relevant_rating_threshold" : 1
    }
  }
}
```

Example Request  
ranking\_evaluation

```
curl --location --request POST "http://localhost:9200/cf_etf/_rank_eval" --header "Content-Type: application/json" --data "{ \"requests\": [ { \"id\": \"Asia\", \"request\":{\"query\": {\"match\":{\"description\":\"asia\"}}}, \"ratings\": [] }, { \"id\": \"Global\", \"request\":{\"query\": {\"match\":{\"description\":\"global\"}}}, \"ratings\": [] } ], \"metric\": { \"precision\": { \"k\" : 3, \"relevant_rating_threshold\" : 1 } } }"
```

POST search\_request\_profiling

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "profile":true,
  "query": {
    "query_string": {
      "query": "fund_name:ishares description:global",
      "default_operator": "AND"
    }
  }
}
```

Example Request  
search\_request\_profiling

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"profile\":true, \"query\": { \"query_string\": { \"query\": \"fund_name:ishares description:global\", \"default_operator\": \"AND\" } } }"
```



\`fund\_name:ishares description:global\`, \`default\_operator\`: \`AND\` } } }"

POST term\_suggester

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "suggest": {
    "text": "asian stock",
    "suggester_1": {
      "term": {
        "field": "fund_name"
      }
    },
    "suggester_2": {
      "term": {
        "field": "description"
      }
    }
  }
}
```

Example Request  
term\_suggester

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"suggest\": { \"text\": \"asian stock\", \"suggester_1\": { \"term\": { \"field\": \"fund_name\" } }, \"suggester_2\": { \"term\": { \"field\": \"description\" } } } }"
```

POST phrase\_suggester

http://localhost:9200/cf\_etf/\_search

HEADERS

Content-Type  
application/json  
BODY

```
{
  "suggest": {
    "text": "divide weigh index",
    "suggester": {
      "phrase": {
        "field": "description"
      }
    }
  }
}
```

Example Request  
phrase\_suggester

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" --header "Content-Type: application/json" --data "{ \"suggest\": { \"text\": \"divide weigh index\", \"suggester\": { \"phrase\": { \"field\": \"description\" } } } }"
```

GET cf\_etf\_suggester\_mappings

http://localhost:9200/cf\_etf\_suggester/\_mappings

HEADERS

Content-Type  
application/json

Example Request  
cf\_etf\_suggester\_mappings

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

POST cf\_etf\_suggester

http://localhost:9200/cf\_etf\_suggester/\_search

HEADERS

Content-Type  
application/json

BODY

```
{
  "suggest": {
    "fund_name_suggester": {
      "prefix": "ishares edge",
      "completion": {
        "field": "fund_name"
      }
    }
  }
}
```

Example Request  
cf\_etf\_suggester

```
curl --location --request POST "http://localhost:9200/cf_etf_suggester/_search" --header "Content-Type: application/json" --data "{ \"suggest\": { \"fund_name_suggester\": { \"prefix\": \"ishares edge\", \"completion\": { \"field\": \"fund_name\" } } } }"
```