

Chapter10

POST cf_etf_morningstar_category_list

http://localhost:9200/cf_etf/_search

HEADERS

Content-Type

application/json

BODY

```
{
  "size": 0,
  "aggs": {
    "get_categories": { "terms": { "field": "morningstar_category", "size": 100 } }
  }
}
```

Example Request

cf_etf_morningstar_category_list

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \  
  --header "Content-Type: application/json" \  
  --data "{  
    \"size\": 0,  
    \"aggs\": {  
      \"get_categories\": {  
        \"terms\": {  
          \"field\": \"morningstar_category\",  
          \"size\": 100  
        }  
      }  
    }  
  }"
```

POST cf_etf_Diversified_Emerging_Mkts ETFs

http://localhost:9200/cf_etf/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {  
    "match": {  
      "morningstar_category": "Diversified Emerging Mkts"  
    }  
  },  
  "aggs": {  
    "LIST ETFs": {  
      "terms": {  
        "field": "symbol",  
        "size": 16  
      }  
    }  
  }  
}
```

Example Request

cf_etf_Diversified_Emerging_Mkts ETFs

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\": {\"match\": {\"morningstar_category\": \"Diversified Emerging Mkts\"}},  
  \"aggs\": {  
    \"LIST ETFs\": {  
      \"terms\": {\"field\": \"symbol\", \"size\": 16}  
    }  
  }  
}
```

POST cf_etf_hist_prirce_Diversified_Emerging_Mkts_changes_2018_12_26

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  \"size\": 16,  
  \"query\": {  
    \"bool\": {  
      \"must\": {\"range\": {\"date\": {\"gte\": \"2018-12-26\", \"lte\": \"2018-12-26\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\": \"dem\"}},  
        {\"term\": {\"symbol\": \"dgre\"}},  
        {\"term\": {\"symbol\": \"dgs\"}},  
        ...  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_prirce_Diversified_Emerging_Mkts_changes_2018_12_26

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 16,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2018-12-26\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"dem\"}},  
        {\"term\": {\"symbol\":\"dgre\"}},  
        {\"term\": {\"symbol\":\"dgs\"}},  
      ]  
    }  
  }  
}"
```

POST cf_etf_hist_price_Diversified_Emerging_Mkts_changes_daily

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query":{  
    "bool":{  
      "must": {"range":{"date":{"gte":"2018-12-26", "lte":"2019-03-25"}}},  
      "should": [  
        {"term": {"symbol":"dem"}},  
        {"term": {"symbol":"dgre"}},  
        {"term": {"symbol":"dgs"}},  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_price_Diversified_Emerging_Mkts_changes_daily

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\": {  
    \"bool\": {  
      \"must\": { \"range\": { \"date\": { \"gte\": \"2018-12-26\", \"lte\": \"2019-03-25\" } } },  
      \"should\": [  
        { \"term\": { \"symbol\": \"dem\" } } ],  
      \"must_not\": [  
        { \"term\": { \"symbol\": \"dem\" } } ],  
      \"filter\": [  
        { \"term\": { \"symbol\": \"dem\" } } ],  
      \"minimum_should_match\": 1  
    }  
  }  
}
```

POST cf_etf_hist_prirce_Diversified_Emerging_Mkts_changes_weekly

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

```
application/json
```

BODY

```
{
  "size": 0,
  "query": {
    "bool": {
      "must": { "range": { "date": { "gte": "2018-12-26", "lte": "2019-03-25" } } },
      "should": [
        { "term": { "symbol": "dem" } },
        { "term": { "symbol": "dgre" } },
        { "term": { "symbol": "dgs" } },
```

Example Request

cf_etf_hist_prirce_Diversified_Emerging_Mkts_changes_weekly

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"dem\"}},  
      ]  
    }  
  }  
}"
```

POST cf_etf_Large Blend ETFs

http://localhost:9200/cf_etf/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {"match": {"morningstar_category": "Large Blend"}},  
  "aggs" : {  
    "LIST ETFs": {  
      "terms": {"field": "symbol", "size": 14}  
    }  
  }  
}
```

Example Request

cf_etf_Large Blend ETFs

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\": {\"match\": {\"morningstar_category\": \"Large Blend\"}},  
  \"aggs\": {  
    \"LIST_ETFs\": {  
      \"terms\": {\"field\": \"symbol\", \"size\": 14}  
    }  
  }  
}
```

POST cf_etf_hist_prirce_Large Blend_changes_daily

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {  
    "bool": {  
      "must": { "range": { "date": { "gte": "2018-12-26", "lte": "2019-03-25" } } },  
      "should": [  
        { "term": { "symbol": "eps" } },  
        { "term": { "symbol": "esgu" } },  
        { "term": { "symbol": "ext" } },  
        ...  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_prirce_Large Blend_changes_daily

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"eps\"}},  
        {\"term\": {\"symbol\":\"esgu\"}},  
        {\"term\": {\"symbol\":\"ext\"}},  
      ]  
    }  
  }  
}"
```

POST cf_etf_hist_price_Large Blend_changes_weekly

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query":{  
    "bool":{  
      "must": {"range":{"date":{"gte":"2018-12-26", "lte":"2019-03-25"}}},  
      "should": [  
        {"term": {"symbol":"eps"}},  
        {"term": {"symbol":"esgu"}},  
        {"term": {"symbol":"ext"}},  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_price_Large Blend_changes_weekly


```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"eps\"}},  
      ]  
    }  
  }  
}
```

POST cf_etf_Miscellaneous Region ETFs

http://localhost:9200/cf_etf/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {"match": {"morningstar_category": "Miscellaneous Region"}},  
  "aggs" : {  
    "DEM ETFs": {  
      "terms": {"field": "symbol", "size": 14}  
    }  
  }  
}
```

Example Request

cf_etf_Miscellaneous Region ETFs

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\": {\"match\": {\"morningstar_category\": \"Miscellaneous Region\"}},  
  \"aggs\": {  
    \"DEM ETFs\": {  
      \"terms\": {\"field\": \"symbol\", \"size\": 14}  
    }  
  }  
}
```

POST cf_etf_hist_prirce_Miscellaneous Region_changes_daily

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 1,  
  "query": {  
    "bool": {  
      "must": { "range": { "date": { "gte": "2018-12-26", "lte": "2019-03-25" } } },  
      "should": [  
        { "term": { "symbol": "agt" } },  
        { "term": { "symbol": "ause" } },  
        { "term": { "symbol": "dxge" } },  
        ...  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_prirce_Miscellaneous Region_changes_daily

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \
--header "Content-Type: application/json" \
--data "{
  \"size\": 1,
  \"query\":{
    \"bool\":{
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},
      \"should\": [
        {\"term\": {\"symbol\":\"agt\"}},

```

POST cf_etf_hist_price_Miscellaneous Region_changes_weekly

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{
  "size": 0,
  "query":{
    "bool":{
      "must": {"range":{"date":{"gte":"2018-12-26", "lte":"2019-03-25"}}},
      "should": [
        {"term": {"symbol":"dem"}},
        {"term": {"symbol":"dgre"}},
        {"term": {"symbol":"dgs"}},

```

Example Request

cf_etf_hist_price_Miscellaneous Region_changes_weekly

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
  --header "Content-Type: application/json" \  
  --data "{  
    \"size\": 0,  
    \"query\":{  
      \"bool\":{  
        \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
        \"should\": [  
          {\"term\": {\"symbol\":\"dem\"}},  
        ]  
      }  
    }  
  }"
```

POST cf_etf_Europe Stock ETFs

http://localhost:9200/cf_etf/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {"match": {"morningstar_category": "Europe Stock"}},  
  "aggs" : {  
    "DEM ETFs": {  
      "terms": {"field": "symbol", "size": 11}  
    }  
  }  
}
```

Example Request

cf_etf_Europe Stock ETFs

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \  
  --header "Content-Type: application/json" \  
  --data "{  
    \"size\": 0,  
    \"query\": {\"match\": {\"morningstar_category\": \"Europe Stock\"}},  
    \"aggs\": {  
      \"DEM ETFs\": {  
        \"terms\": {\"field\": \"symbol\", \"size\": 11}  
      }  
    }  
  }  
}
```

POST cf_etf_hist_prirce_Europe Stock_changes_daily

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {  
    "bool": {  
      "must": { "range": { "date": { "gte": "2018-12-26", "lte": "2019-03-25" } } },  
      "should": [  
        { "term": { "symbol": "ddez" } },  
        { "term": { "symbol": "dfe" } },  
        { "term": { "symbol": "edom" } },  
        ...  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_prirce_Europe Stock_changes_daily

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\": {  
    \"bool\": {  
      \"must\": { \"range\": { \"date\": { \"gte\": \"2018-12-26\", \"lte\": \"2019-03-25\" } } },  
      \"should\": [  
        { \"term\": { \"symbol\": \"ddez\" } },
```

POST cf_etf_hist_prirce_Europe Stock_changes_weekly

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

```
application/json
```

BODY

```
{
  "size": 0,
  "query": {
    "bool": {
      "must": { "range": { "date": { "gte": "2018-12-26", "lte": "2019-03-25" } } },
      "should": [
        { "term": { "symbol": "ddez" } },
        { "term": { "symbol": "dfe" } },
        { "term": { "symbol": "edom" } },
```

Example Request

cf_etf_hist_prirce_Europe Stock_changes_weekly

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"ddez\"}},  
      ]  
    }  
  }  
}"
```

POST cf_etf_Technology ETFs

http://localhost:9200/cf_etf/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {"match": {"morningstar_category": "Technology"}},  
  "aggs" : {  
    "DEM ETFs": {  
      "terms": {"field": "symbol", "size": 11}  
    }  
  }  
}
```

Example Request

cf_etf_Technology ETFs

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \
--header "Content-Type: application/json" \
--data "{
  \"size\": 0,
  \"query\": {\"match\": {\"morningstar_category\": \"Technology\"}},
  \"aggs\": {
    \"DEM ETFs\": {
      \"terms\": {\"field\": \"symbol\", \"size\": 11}
    }
  }
}
```

POST cf_etf_hist_prirce_Technology_changes_daily

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{
  "size": 0,
  "query": {
    "bool": {
      "must": { "range": { "date": { "gte": "2018-12-26", "lte": "2019-03-25" } } },
      "should": [
        { "term": { "symbol": "cibr" } },
        { "term": { "symbol": "fdn" } },
        { "term": { "symbol": "fone" } },
        ...
      ]
    }
  }
}
```

Example Request

cf_etf_hist_prirce_Technology_changes_daily


```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"cibr\"}},  
        {\"term\": {\"symbol\":\"fdn\"}},  
        {\"term\": {\"symbol\":\"fone\"}},  
      ]  
    }  
  }  
}"
```

POST cf_etf_hist_prirce_Technology_changes_weekly

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query":{  
    "bool":{  
      "must": {"range":{"date":{"gte":"2018-12-26", "lte":"2019-03-25"}}},  
      "should": [  
        {"term": {"symbol":"cibr"}},  
        {"term": {"symbol":"fdn"}},  
        {"term": {"symbol":"fone"}},  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_prirce_Technology_changes_weekly

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"cibr\"}},  
      ]  
    }  
  }  
}
```

POST cf_etf_Foreign Large Blend ETFs

http://localhost:9200/cf_etf/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {"match": {"morningstar_category": "Foreign Large Blend"}},  
  "aggs" : {  
    "DEM ETFs": {  
      "terms": {"field": "symbol", "size": 11}  
    }  
  }  
}
```

Example Request

cf_etf_Foreign Large Blend ETFs

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\": {\"match\": {\"morningstar_category\": \"Foreign Large Blend\"}},  
  \"aggs\": {  
    \"DEM ETFs\": {  
      \"terms\": {\"field\": \"symbol\", \"size\": 11}  
    }  
  }  
}
```

POST cf_etf_hist_prirce_Foreign Large Blend_changes_daily

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {  
    "bool": {  
      "must": { "range": { "date": { "gte": "2018-12-26", "lte": "2019-03-25" } } },  
      "should": [  
        { "term": { "symbol": "efax" } },  
        { "term": { "symbol": "esgd" } },  
        { "term": { "symbol": "hdmv" } },  
        ...  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_prirce_Foreign Large Blend_changes_daily

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\": {  
    \"bool\": {  
      \"must\": { \"range\": { \"date\": { \"gte\": \"2018-12-26\", \"lte\": \"2019-03-25\" } } },  
      \"should\": [  
        { \"term\": { \"symbol\": \"efax\" } } ],  
      \"must_not\": [  
        { \"term\": { \"symbol\": \"efax\" } } ]  
      }  
    }  
  }  
}"
```

POST cf_etf_hist_prirce_Foreign Large Blend_changes_weekly

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

```
application/json
```

BODY

```
{
  "size": 0,
  "query": {
    "bool": {
      "must": { "range": { "date": { "gte": "2018-12-26", "lte": "2019-03-25" } } },
      "should": [
        { "term": { "symbol": "efax" } },
        { "term": { "symbol": "esgd" } },
        { "term": { "symbol": "hdmv" } },

```

Example Request

cf_etf_hist_price_Foreign Large Blend_changes_weekly

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"efax\"}},  
      ]  
    }  
  }  
}"
```

POST cf_etf_China Region ETFs

http://localhost:9200/cf_etf/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {"match": {"morningstar_category": "China Region"}},  
  "aggs" : {  
    "DEM ETFs": {  
      "terms": {"field": "symbol"}  
    }  
  }  
}
```

Example Request

cf_etf_China Region ETFs

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\": {\"match\": {\"morningstar_category\": \"China Region\"}},  
  \"aggs\": {  
    \"DEM ETFs\": {  
      \"terms\": {\"field\": \"symbol\"}  
    }  
  }  
}
```

POST cf_etf_hist_prirce_China Region_changes_daily

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {  
    "bool": {  
      "must": { "range": { "date": { "gte": "2018-12-26", "lte": "2019-03-25" } } },  
      "should": [  
        { "term": { "symbol": "cnya" } },  
        { "term": { "symbol": "cxse" } },  
        { "term": { "symbol": "ecns" } },  
        ...  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_prirce_China Region_changes_daily

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"cnya\"}},  
        {\"term\": {\"symbol\":\"cxse\"}},  
        {\"term\": {\"symbol\":\"ecns\"}},  
      ]  
    }  
  }  
}"
```

POST cf_etf_hist_price_China Region_changes_weekly

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query":{  
    "bool":{  
      "must": {"range":{"date":{"gte":"2018-12-26", "lte":"2019-03-25"}}},  
      "should": [  
        {"term": {"symbol":"cnya"}},  
        {"term": {"symbol":"cxse"}},  
        {"term": {"symbol":"ecns"}},  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_price_China Region_changes_weekly

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"cnya\"}},  
      ]  
    }  
  }  
}"
```

POST cf_etf_High Yield Bond ETFs

http://localhost:9200/cf_etf/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {"match": {"morningstar_category": "High Yield Bond"}},  
  "aggs" : {  
    "DEM ETFs": {  
      "terms": {"field": "symbol"}  
    }  
  }  
}
```

Example Request

cf_etf_High Yield Bond ETFs


```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \  
  --header "Content-Type: application/json" \  
  --data "{  
    \"size\": 0,  
    \"query\": {\"match\": {\"morningstar_category\": \"High Yield Bond\"}},  
    \"aggs\": {  
      \"DEM_ETFs\": {  
        \"terms\": {\"field\": \"symbol\"}  
      }  
    }  
  }  
}
```

POST cf_etf_hist_prirce_High Yield Bond_changes_daily

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {  
    "bool": {  
      "must": { "range": { "date": { "gte": "2018-12-26", "lte": "2019-03-25" } } },  
      "should": [  
        { "term": { "symbol": "faln" } },  
        { "term": { "symbol": "hyls" } },  
        { "term": { "symbol": "jphy" } },  
        ...  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_prirce_High Yield Bond_changes_daily

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \
--header "Content-Type: application/json" \
--data "{
  \"size\": 0,
  \"query\":{
    \"bool\":{
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},
      \"should\": [
        {\"term\": {\"symbol\":\"faln\"}},

```

POST cf_etf_hist_price_High Yield Bond_changes_weekly

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{
  "size": 0,
  "query":{
    "bool":{
      "must": {"range":{"date":{"gte":"2018-12-26", "lte":"2019-03-25"}}},
      "should": [
        {"term": {"symbol":"faln"}},
        {"term": {"symbol":"hyls"}},
        {"term": {"symbol":"jphy"}},

```

Example Request

cf_etf_hist_price_High Yield Bond_changes_weekly

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"fain\"}},  
      ]  
    }  
  }  
}"
```

POST cf_etf_Ultrashort Bond ETFs

http://localhost:9200/cf_etf/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {"match": {"morningstar_category": "Ultrashort Bond"}},  
  "aggs" : {  
    "DEM ETFs": {  
      "terms": {"field": "symbol"}  
    }  
  }  
}
```

Example Request

cf_etf_Ultrashort Bond ETFs

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \  
  --header "Content-Type: application/json" \  
  --data "{  
    \"size\": 0,  
    \"query\": {\"match\": {\"morningstar_category\": \"Ultrashort Bond\"}},  
    \"aggs\": {  
      \"DEM ETFs\": {  
        \"terms\": {\"field\": \"symbol\"}  
      }  
    }  
  }  
}
```

POST cf_etf_hist_price_Ultrashort Bond_changes_daily

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {  
    "bool": {  
      "must": { "range": { "date": { "gte": "2018-12-26", "lte": "2019-03-25" } } },  
      "should": [  
        { "term": { "symbol": "bil" } },  
        { "term": { "symbol": "flot" } },  
        { "term": { "symbol": "flrn" } },  
        ...  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_price_Ultrashort Bond_changes_daily

POST cf_etf_hist_pricer_Ultrashort Bond_changes_weekly

HEADERS

```
application/json
```

cf_etf_hist_prirce_Ultrashort Bond_changes_weekly

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"bil\"}},  
      ]  
    }  
  }  
}"
```

POST cf_etf_Allocation--30% to 50% Equity ETFs

http://localhost:9200/cf_etf/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {"match": {"morningstar_category": "Allocation--30% to 50% Equity"}},  
  "aggs" : {  
    "DEM ETFs": {  
      "terms": {"field": "symbol"}  
    }  
  }  
}
```

Example Request

cf_etf_Allocation--30% to 50% Equity ETFs

```
curl --location --request POST "http://localhost:9200/cf_etf/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\": {\"match\": {\"morningstar_category\": \"Allocation--30% to 50% Equity\"}},  
  \"aggs\": {  
    \"DEM ETFs\": {  
      \"terms\": {\"field\": \"symbol\"}  
    }  
  }  
}
```

POST cf_etf_hist_price_Allocation--30% to 50% Equity_changes_daily

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query": {  
    "bool": {  
      "must": { "range": { "date": { "gte": "2018-12-26", "lte": "2019-03-25" } } },  
      "should": [  
        { "term": { "symbol": "aok" } },  
        { "term": { "symbol": "aom" } },  
        { "term": { "symbol": "dwin" } },  
        ...  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_price_Allocation--30% to 50% Equity_changes_daily

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \
--header "Content-Type: application/json" \
--data "{
  \"size\": 0,
  \"query\":{
    \"bool\":{
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},
      \"should\": [
        {\"term\": {\"symbol\":\"aok\"}},

```

POST cf_etf_hist_price_Allocation--30% to 50% Equity_changes_weekly

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{
  "size": 0,
  "query":{
    "bool":{
      "must": {"range":{"date":{"gte":"2018-12-26", "lte":"2019-03-25"}}},
      "should": [
        {"term": {"symbol":"aok"}},
        {"term": {"symbol":"aom"}},
        {"term": {"symbol":"dwin"}},

```

Example Request

cf_etf_hist_price_Allocation--30% to 50% Equity_changes_weekly


```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
      \"should\": [  
        {\"term\": {\"symbol\":\"aok\"}},  
      ]  
    }  
  }  
}"
```

POST cf_etf_hist_price_Bollinger_band_dem

http://localhost:9200/cf_etf_hist_price/_search

HEADERS

Content-Type

application/json

BODY

```
{  
  "size": 0,  
  "query":{  
    "bool":{  
      "must": [  
        {"range":{"date":{"gte":"2018-12-26", "lte":"2019-03-25"}}},  
        {"term": {"symbol":"rfem"}}  
      ]  
    }  
  }  
}
```

Example Request

cf_etf_hist_price_Bollinger_band_dem

```
curl --location --request POST "http://localhost:9200/cf_etf_hist_price/_search" \  
--header "Content-Type: application/json" \  
--data "{  
  \"size\": 0,  
  \"query\":{  
    \"bool\":{  
      \"must\": [  
        {\"range\":{\"date\":{\"gte\":\"2018-12-26\", \"lte\":\"2019-03-25\"}}},  
        {\"term\": {\"symbol\":\"rfem\"}}  
      ]  
    }  
  }  
}"
```