

# chapter7

## GET retrieve ACWI 5 yrs dividends

<https://api.iextrading.com/1.0/stock/AGND/dividends/5y>

Example Request

retrieve ACWI 5 yrs dividends

```
curl --location --request GET "https://api.iextrading.com/1.0/stock/AGND/dividends/5y"
```

## GET iex stats

<https://api.iextrading.com/1.0/stock/acwf/chart>

Example Request

iex stats

```
curl --location --request GET "https://api.iextrading.com/1.0/stock/acwf/chart"
```

## GET cf\_etf\_dividend\_denormalize\_mappings

[http://localhost:9200/cf\\_etf\\_dividend\\_denormalize/\\_mappings](http://localhost:9200/cf_etf_dividend_denormalize/_mappings)

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Example Request

cf\_etf\_dividend\_denormalize\_mappings

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

## POST cf\_etf\_dividend\_denormalize\_search

[http://localhost:9200/cf\\_etf\\_dividend\\_denormalize/\\_search](http://localhost:9200/cf_etf_dividend_denormalize/_search)

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{
  "query": {
    "bool": {
      "must": [
        {
          "range": {
            "exDate": {
              "lte": "2016-02-01"
            }
          }
        },
        {
          "range": {
            "amount": {
              "gte": 0.1
            }
          }
        },
        {
          "match": {
            "symbol": "ACWF"
          }
        }
      ]
    }
  }
}
```

Example Request

cf\_etf\_dividend\_denormalize\_search

```
curl --location --request POST "http://localhost:9200/cf_etf_dividend_denormalize/_search" --header
"Content-Type: application/json" --data '{"query":{"bool":{"must":[{"range":{"exDate":{"lte":"2016-02-01"}}},{"range":{"amount":{"gte":0.1}}},{"match":{"symbol":"ACWF"}}]}}'}
```

## GET cf\_etf\_dividend\_array\_object\_mappings

http://localhost:9200/cf\_etf\_dividend\_io/\_mappings

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Example Request

cf\_etf\_dividend\_array\_object\_mappings

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

## POST cf\_etf\_dividend\_array\_object\_search

(0)

[http://localhost:9200/cf\\_etf\\_dividend\\_io/\\_search](http://localhost:9200/cf_etf_dividend_io/_search)

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{
  "query": {
    "bool": {
      "must": [
        {
          "range": {
            "announcement.exDate": {
              "lte": "2016-02-01"
            }
          }
        },
        {
          "range": {
            "announcement.amount": {
              "gte": 0.1
            }
          }
        },
        {
          "match": {
            "symbol": "ACWF"
          }
        }
      ]
    }
  }
}
```

## Example Request

cf\_etf\_dividend\_array\_object\_search

```
curl --location --request POST "http://localhost:9200/cf_etf_dividend_denormalize/_search" --header
"Content-Type: application/json" --data '{"query":{"bool":{"must":[{"range":{"announcement.exDate":{"lte":"2016-02-01"}},{\
"range":{"announcement.amount":{"gte":0.1}}},{\
"match":{"symbol":"ACWF"}}]}}}}'
```

## POST cf\_etf\_dividend\_array\_object\_search \_none

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

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{
  "query": {
    "bool": {
      "must": [
        {
          "range": {
            "announcement.exDate": {
              "lte": "2015-12-01"
            }
          }
        },
        {
          "range": {
            "announcement.amount": {
              "gte": 0.2
            }
          }
        },
        {
          "match": {
            "symbol": "ACWF"
          }
        }
      ]
    }
  }
}
```

Example Request

cf\_etf\_dividend\_array\_object\_search\_none

```
curl --location --request POST "http://localhost:9200/cf_etf_dividend_io/_search" --header
"Content-Type: application/json" --data "{ \"query\": { \"bool\": { \"must\": [ { \"range\": {
\"announcement.exDate\": { \"lte\": \"2015-12-01\" } } }, { \"range\": { \"announcement.amount\": {
\"gte\": 0.2 } } }, { \"match\": { \"symbol\": \"ACWF\" } } ] } } } }
```

## GET cf\_etf\_dividend\_nested\_mappings

http://localhost:9200/cf\_etf\_dividend\_nested/\_mappings

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Example Request

cf\_etf\_dividend\_nested\_\_mappings

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

## POST cf\_etf\_dividend\_nested\_object\_search\_none

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

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{
  "query": {
    "bool": {
      "must": [
        {
          "match": {
            "symbol": "ACWF"
          }
        },
        {
```

```

    "nested": {
      "path": "announcement",
      "query": {
        "bool": {
          "must": [
            {
              "range": {
                "announcement.exDate": {
                  "lte": "2015-12-01"
                }
              }
            },
            {
              "range": {
                "announcement.amount": {
                  "gte": 0.2
                }
              }
            }
          ]
        }
      }
    }
  ]
}

```

Example Request

cf\_etf\_dividend\_nested\_object\_search\_none

```

curl --location --request POST "http://localhost:9200/cf_etf_dividend_nested/_search" --header
"Content-Type: application/json" --data '{"query":{"bool":{"must":[{"match":
{"symbol":"ACWF"}},{"nested":{"path":"announcement","query":{"bool":{"must":
[{"range":{"announcement.exDate":{"lte":"2015-12-01"}}},{ "range":{"announcement.amount":
{"gte":0.2}}}}}}}}]}}}'

```

POST cf\_etf\_dividend\_nested\_object\_search\_amount\_0.1

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

Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{
  "query": {
    "bool": {
      "must": [
        {
          "match": {
            "symbol": "ACWF"
          }
        },
        {
          "nested": {
            "path": "announcement",
            "query": {
              "bool": {
                "must": [
                  {
                    "range": {
                      "announcement.exDate": {
                        "lte": "2015-12-01"
                      }
                    }
                  },
                  {
                    "range": {
                      "announcement.amount": {
                        "gte": 0.1
                      }
                    }
                  }
                ]
              }
            }
          }
        }
      ]
    }
  }
}
```

Example Request

cf\_etf\_dividend\_nested\_object\_search\_amount\_0.1

```
curl --location --request POST \
```

```
curl --location --request POST "http://localhost:9200/cf_etf_dividend_nested/_search" --header
"Content-Type: application/json" --data '{"query":{"bool":{"must":[{"match":
{"symbol":"ACWF"}},{\nested":{"path":"announcement","query":{"bool":{"must":
```

```
[{"range":{"announcement.exDate":{"lte":"2015-12-01"}}, {"range":{"announcement.amount":{"gte":0.1}}}]}}}]}}}]}}
```

## POST cf\_etf\_dividend\_nested\_object\_search\_amount\_0.1\_inner\_hit

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

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{
  "query": {
    "bool": {
      "must": [
        {
          "match": {
            "symbol": "ACWF"
          }
        },
        {
          "nested": {
            "path": "announcement",
            "query": {
              "bool": {
                "must": [
                  {
                    "range": {
                      "announcement.exDate": {
                        "lte": "2015-12-01"
                      }
                    }
                  },
                  {
                    "range": {
                      "announcement.amount": {
                        "gte": 0.1
                      }
                    }
                  }
                ]
              }
            }
          }
        },
        {
          "inner_hits": {}
        }
      ]
    }
  }
}
```



```
    }
  ]
}
}
```

Example Request

cf\_etf\_dividend\_nested\_object\_search\_amount\_0.1\_inner\_hit

```
curl --location --request POST "http://localhost:9200/cf_etf_dividend_nested/_search" --header
"Content-Type: application/json" --data '{"query":{"bool":{"must":[{"match":{"symbol":"ACWF"}}, {"nested":{"path":"announcement", "query":{"bool":{"must":[{"range":{"announcement.exDate":{"lte":"2015-12-01"}}, {"range":{"announcement.amount":{"gte":0.1}}}]}}], "inner_hits":{}}}}]}}'
```

## PUT cf\_etf\_dividend\_join\_index

http://localhost:9200/cf\_etf\_dividend\_join/

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{
  "mappings": {
    "dynamic": false,
    "properties": {
      "cf_etf_dividend": {
        "type": "join",
        "relations": {
          "cf_etf": "dividend"
        }
      },
      "cf_etf": {
        "properties": {
          "symbol": {"type": "keyword"},
          "fund_name": {"type": "completion"},
          "rating": {"type": "byte"},
          "morningstar_category": {"type": "keyword"},
          "category": {"type": "keyword"},
          "family": {"type": "keyword"},
          "market_cap": {"type": "keyword"},
          "description": {
            "type": "text",
            "fields": {
```

```
        "raw": {
            "type": "keyword"
        },
        "analyzer": "description_analyzer",
        "search_analyzer": "description_analyzer"
    },
    "exchange": { "type": "keyword" }
},
"dividend": {
    "properties": {
        "amount": { "type": "float" },
        "declaredDate": { "type": "date" },
        "exDate": { "type": "date" },
        "flag": { "type": "text",
            "fields": {
                "keyword": {
                    "type": "keyword",
                    "ignore_above": 256
                }
            }
        },
        "indicated": {
            "type": "text",
            "fields": {
                "keyword": {
                    "type": "keyword",
                    "ignore_above": 256
                }
            }
        },
        "paymentDate": { "type": "date" },
        "qualified": { "type": "text",
            "fields": {
                "keyword": {
                    "type": "keyword",
                    "ignore_above": 256
                }
            }
        },
        "recordDate": { "type": "date" },
        "type": { "type": "text",
            "fields": {
                "keyword": {
                    "type": "keyword",
                    "ignore_above": 256
                }
            }
        }
    }
}
```

```

    }
  }
}
},
"settings": {
  "index": { "number_of_shards":3 },
  "analysis": {
    "analyzer" : {
      "description_analyzer": {
        "type": "custom",
        "tokenizer": "description_tokenizer",
        "filter": ["lowercase", "description_pattern_replace_filter",
"description_stemmer_filter", "description_stop_filter", "description_length_filter", "unique"]
      }
    },
    "tokenizer": {
      "description_tokenizer" : {"type":"char_group", "tokenize_on_chars":
["whitespace", "digit", "symbol", "\\n", ",", ":", "!", "?", ";", " ", "_", "{", "[", "}", "]", "(",
")", "\\", "\/", "\""}
    },
    "filter": {
      "description_pattern_replace_filter": {"type":"pattern_replace",
"pattern": "(\\w{2,})\\. ", "replacement":"$1"},
      "description_stemmer_filter" : {"type":"stemmer",
"name":"light_english"},
      "description_stop_filter": {"type":"stop",
"stopwords_path":"stopwords"},
      "description_length_filter": {"type":"length", "min":2}
    }
  }
}
}

```

Example Request

cf\_etf\_dividend\_join\_index

```
curl -XPUT localhost:9200/cf_etf_dividend_join -H "Content-Type:application/json" --data-binary
@cf_etf_dividend_join_mappings.json
```

## POST cf\_etf\_acwf\_join\_bulk\_index

localhost:9200/cf\_etf\_dividend\_join/\_bulk

**Headers**

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{
  "index": {
    "_index": "cf_etf_dividend_join",
    "_id": "12345678"
  },
  "symbol": "ACWF",
  "fund_name": "iShares Edge MSCI Multifactor Global ETF",
  "rating": 3,
  "morningstar_category": "World Large Stock",
  "category": "Equity",
  "family": "iShares",
  "market_cap": "large",
  "description": "The investment seeks to track the investment results of the MSCI ACWI Diversified Multiple-Factor Index.\\n The fund generally will invest at least 90% of its assets in the component securities of the underlying index and in investments that have economic characteristics that are substantially identical to the component securities of the underlying index. The underlying index is designed to contain equity securities from the MSCI ACWI Index (the \\\"parent index\\\") that have high exposure to four investment style factors: value, quality, momentum and low size, while maintaining a level of risk similar to that of the parent index.",
  "exchange": "NYSE Arca",
  "cf_etf_dividend": {
    "name": "cf_etf"
  }
}
```

Example Request

cf\_etf\_acwf\_join\_bulk\_index

```
curl --location --request POST "localhost:9200/cf_etf_dividend_join/_bulk" --header "Content-Type: application/json" --data '{"index": {"_index": "cf_etf_dividend_join", "_id": "12345678"}, "symbol": "ACWF", "fund_name": "iShares Edge MSCI Multifactor Global ETF", "rating": 3, "morningstar_category": "World Large Stock", "category": "Equity", "family": "iShares", "market_cap": "large", "description": "The investment seeks to track the investment results of the MSCI ACWI Diversified Multiple-Factor Index.\\n The fund generally will invest at least 90% of its assets in the component securities of the underlying index and in investments that have economic characteristics that are substantially identical to the component securities of the underlying index. The underlying index is designed to contain equity securities from the MSCI ACWI Index (the \\\"parent index\\\") that have high exposure to four investment style factors: value, quality, momentum and low size, while maintaining a level of risk similar to that of the parent index.", "exchange": "NYSE Arca", "cf_etf_dividend": {"name": "cf_etf"}}\\n'
```

**POST** cf\_etf\_dividend\_join\_search\_all

localhost:9200/cf\_etf\_dividend\_join/\_search

**Headers**

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{}
```

Example Request

cf\_etf\_dividend\_join\_search\_all

```
curl --location --request POST "localhost:9200/cf_etf_dividend_join/_search" --header "Content-Type: application/json" --data "{}"
```

## POST cf\_etf\_dividend\_join\_bulk\_index

localhost:9200/cf\_etf\_dividend\_join/\_bulk

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{"index":{"_index":"cf_etf_dividend_join", "routing":"12345678"}}
```

```
{"cf_etf_dividend":
```

```
  {"name":"dividend", "parent":"12345678"},
```

```
  "exDate": "2017-12-19",
```

```
  "paymentDate": "2017-12-26",
```

```
  "recordDate": "2017-12-20",
```

```
  "declaredDate": "2016-12-28",
```

```
  "amount": 0.352788,
```

```
  "flag": "",
```

```
  "type": "Dividend income",
```

```
  "qualified": "",
```

```
  "indicated": "" }
```

```
{"index":{"_index":"cf_etf_dividend_join", "routing":"12345678"}}
```

```
{"cf_etf_dividend":
```

```
  {"name":"dividend", "parent":"12345678"},
```

```
  "exDate": "2017-12-19",
```

```
  "paymentDate": "2017-12-26",
```

```
  "recordDate": "2017-12-20",
```

```
  "declaredDate": "2017-12-18",
```

```
  "amount": 0.352788,
```

```
  "flag": "FI", "type":
```

```
  "Dividend income",
```

```
  "qualified": "",
```

```
  "indicated": "" }
```

```
{"index":{"_index":"cf_etf_dividend_join", "routing":"12345678"}}
```

```
{"cf_etf_dividend":
```

```
    {"name": "dividend", "parent": "12345678"},
    "exDate": "2017-06-20",
    "paymentDate": "2017-06-26",
    "recordDate": "2017-06-22",
    "declaredDate": "2017-06-19",
    "amount": 0.243309,
    "flag": "",
    "type": "Dividend income",
    "qualified": "",
    "indicated": "" }
{"index": {"_index": "cf_etf_dividend_join", "routing": "12345678"}}
{"cf_etf_dividend":
    {"name": "dividend", "parent": "12345678"},
    "exDate": "2016-12-21",
    "paymentDate": "2016-12-28",
    "recordDate": "2016-12-23",
    "declaredDate": "2016-12-20",
    "amount": 0.23977,
    "flag": "",
    "type": "Dividend income",
    "qualified": "",
    "indicated": "" }
{"index": {"_index": "cf_etf_dividend_join", "routing": "12345678"}}
{"cf_etf_dividend":
    {"name": "dividend", "parent": "12345678"},
    "exDate": "2016-06-22",
    "paymentDate": "2016-06-28",
    "recordDate": "2016-06-24",
    "declaredDate": "2016-06-21",
    "amount": 0.227895,
    "flag": "",
    "type": "Dividend income",
    "qualified": "",
    "indicated": "" }
{"index": {"_index": "cf_etf_dividend_join", "routing": "12345678"}}
{"cf_etf_dividend":
    {"name": "dividend",
    "parent": "12345678"},
    "exDate": "2015-12-21",
    "paymentDate": "2015-12-28",
    "recordDate": "2015-12-23",
    "declaredDate": "2015-12-18",
    "amount": 0.103705,
    "flag": "",
    "type": "Dividend income",
    "qualified": "",
    "indicated": ""}
{"index": {"_index": "cf_etf_dividend_join", "routing": "12345678"}}
{"cf_etf_dividend":
```

```
{
  "name": "dividend",
  "parent": "12345678",
  "exDate": "2015-06-25",
  "paymentDate": "2015-07-01",
  "recordDate": "2015-06-29",
  "declaredDate": "2015-06-24",
  "amount": 0.111075,
  "flag": "",
  "type": "Dividend income",
  "qualified": "",
  "indicated": ""
}
```

Example Request

cf\_etf\_dividend\_join\_bulk\_index

```
curl --location --request POST "localhost:9200/cf_etf_dividend_join/_bulk" --header "Content-Type: application/json" --data '{"index": {"_index": "cf_etf_dividend_join", "routing": "12345678"}, {"cf_etf_dividend": {"name": "dividend", "parent": "12345678", "exDate": "2017-12-19", "paymentDate": "2017-12-26", "recordDate": "2017-12-20", "declaredDate": "2016-12-28", "amount": 0.352788, "flag": "", "type": "Dividend income", "qualified": "", "indicated": ""}}, {"index": {"_index": "cf_etf_dividend_join", "routing": "12345678"}, {"cf_etf_dividend": {"name": "dividend", "parent": "12345678", "exDate": "2017-12-19", "paymentDate": "2017-12-26", "recordDate": "2017-12-20", "declaredDate": "2017-12-18", "amount": 0.352788, "flag": "FI", "type": "Dividend income", "qualified": "", "indicated": ""}}, {"index": {"_index": "cf_etf_dividend_join", "routing": "12345678"}, {"cf_etf_dividend": {"name": "dividend", "parent": "12345678", "exDate": "2017-06-20", "paymentDate": "2017-06-26", "recordDate": "2017-06-22", "declaredDate": "2017-06-19", "amount": 0.243309, "flag": "", "type": "Dividend income", "qualified": "", "indicated": ""}}, {"index": {"_index": "cf_etf_dividend_join", "routing": "12345678"}, {"cf_etf_dividend": {"name": "dividend", "parent": "12345678", "exDate": "2016-12-21", "paymentDate": "2016-12-28", "recordDate": "2016-12-23", "declaredDate": "2016-12-20", "amount": 0.23977, "flag": "", "type": "Dividend income", "qualified": "", "indicated": ""}}, {"index": {"_index": "cf_etf_dividend_join", "routing": "12345678"}, {"cf_etf_dividend": {"name": "dividend", "parent": "12345678", "exDate": "2016-06-22", "paymentDate": "2016-06-28", "recordDate": "2016-06-24", "declaredDate": "2016-06-21", "amount": 0.227895, "flag": "", "type": "Dividend income", "qualified": "", "indicated": ""}}, {"index": {"_index": "cf_etf_dividend_join", "routing": "12345678"}, {"cf_etf_dividend": {"name": "dividend", "parent": "12345678", "exDate": "2015-12-21", "paymentDate": "2015-12-28", "recordDate": "2015-12-23", "declaredDate": "2015-12-18", "amount": 0.103705, "flag": "", "type": "Dividend income", "qualified": "", "indicated": ""}}, {"index": {"_index": "cf_etf_dividend_join", "routing": "12345678"}, {"cf_etf_dividend": {"name": "dividend", "parent": "12345678", "exDate": "2015-06-25", "paymentDate": "2015-07-
```

```
01\","\recordDate\":"2015-06-29\","\declaredDate\":"2015-06-24\","\amount\":0.111075,\flag\":"\","\type\":"Dividend income\","\qualified\":"\","\indicated\":"\"}\n'
```

## GET cf\_etf\_dividend\_join\_mappings

http://localhost:9200/cf\_etf\_dividend\_join/\_mappings

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Example Request

cf\_etf\_dividend\_join\_\_mappings

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

## POST cf\_etf\_dividend\_join\_parent\_id\_query

localhost:9200/cf\_etf\_dividend\_join/\_search

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{
  "query": {
    "parent_id": {
      "type": "dividend",
      "id": "12345678"
    }
  }
}
```

Example Request

cf\_etf\_dividend\_join\_parent\_id\_query

```
curl --location --request POST "localhost:9200/cf_etf_dividend_join/_search" --header "Content-Type: application/json" --data '{"query":{"parent_id":{"type":"dividend","id":"12345678"}}}'
```



## POST cf\_etf\_dividend\_join\_has\_child\_search\_match\_all

localhost:9200/cf\_etf\_dividend\_join/\_search

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{
  "query": {
    "has_child": {
      "type": "dividend",
      "min_children": 6,
      "max_children": 7,
      "query": {
        "match_all": {}
      }
    }
  }
}
```

Example Request

cf\_etf\_dividend\_join\_has\_child\_search\_match\_all

```
curl --location --request POST "localhost:9200/cf_etf_dividend_join/_search" --header "Content-Type: application/json"--data '{"query":{"has_parent":{"parent_type":"cf_etf"},"query":{"match_all":{}}}}'
```

## POST cf\_etf\_dividend\_join\_has\_child\_search

localhost:9200/cf\_etf\_dividend\_join/\_search

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```
{
  "query": {
    "has_child": {
      "type": "dividend",
      "query": {
```

```

        "prefix": {
            "symbol": "ACWF"
        }
    }
}
}
}
}

```

Example Request

cf\_etf\_dividend\_join\_has\_child\_search

```

curl --location --request POST "localhost:9200/cf_etf_dividend_join/_search" --header "Content-Type: application/json" --data "{\"query\":{\"has_child\":{\"type\":\"dividend\",\"query\":{\"prefix\":{\"symbol\":\"ACWF\"}}}}}"

```

## POST cf\_etf\_dividend\_join\_has\_parent\_search\_match\_all

localhost:9200/cf\_etf\_dividend\_join/\_search

### Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Body raw (application/json)

```

{
  "query": {
    "has_parent": {
      "parent_type": "cf_etf",
      "query": {
        "match_all": {}
      }
    }
  }
}

```

Example Request

cf\_etf\_dividend\_join\_has\_parent\_search\_match\_all

```

curl --location --request POST "localhost:9200/cf_etf_dividend_join/_search" --header "Content-Type: application/json" --data "{\"query\":{\"has_parent\":{\"parent_type\":\"cf_etf\",\"query\":{\"match_all\":{}}}}}"

```

## POST cf\_etf\_dividend\_join\_has\_parent\_search

localhost:9200/cf\_etf\_dividend\_join/\_search?routing=12345678

Headers

|              |                  |
|--------------|------------------|
| Content-Type | application/json |
|--------------|------------------|

Params

|         |          |
|---------|----------|
| routing | 12345678 |
|---------|----------|

Bodyraw (application/json)

```
{
  "query": {
    "has_parent": {
      "parent_type": "cf_etf",
      "query": {
        "match": {
          "type": "Dividend income"
        }
      }
    }
  }
}
```

Example Request

cf\_etf\_dividend\_join\_has\_parent\_search

```
curl --location --request POST "localhost:9200/cf_etf_dividend_join/_search?routing=12345678" --
header "Content-Type: application/json" --data "{\"query\":{\"has_parent\":
{\"parent_type\":\"cf_etf\",\"query\":{\"match\":{\"type\":\"Dividend income\"}}}}}"
```