```
index:
  analysis:
     analyzer:
       standard:
         type: standard
         stopwords: [stop1, stop2]
       myAnalyzer1:
         type: standard
         stopwords: [stop1, stop2, stop3]
         max_token_length: 500
       # configure a custom analyzer which is
       # exactly like the default standard analyzer
       myAnalyzer2:
         tokenizer: standard
         filter: [standard, lowercase, stop]
    tokenizer:
       myTokenizer1:
         type: standard
         max_token_length: 900
       myTokenizer2:
         type: keyword
         buffer_size: 512
    filter:
       myTokenFilter1:
         type: stop
         stopwords: [stop1, stop2, stop3, stop4]
       myTokenFilter2:
         type: length
         min:0
         max: 2000
index:
 analysis:
  analyzer:
   default:
    tokenizer: keyword
index:
 analysis:
  analyzer:
   standard:
```

```
alias: [alias1, alias2]
     type: standard
     stopwords: [test1, test2, test3]
     DELETE test
PUT /test
 "settings": {
  "analysis": {
   "analyzer": {
     "whitespace": {
      "type": "pattern",
      "pattern": "\\s+"
  }
}
GET /test/_analyze?analyzer=whitespace&text=foo,bar baz
# "foo,bar", "baz"
DELETE test
PUT /test
 "settings": {
  "analysis": {
   "analyzer": {
    "nonword": {
      "type": "pattern",
      "pattern": "[^\\w]+"
   }
GET /test/_analyze?analyzer=nonword&text=foo,bar baz
# "foo,bar baz" becomes "foo", "bar", "baz"
```

```
GET /test/_analyze?analyzer=nonword&text=type_1-type_4
# "type_1", "type_4"
DELETE test
PUT /test?pretty=1
   "settings": {
       "analysis": {
           "analyzer": {
               "camel": {
                   "type": "pattern",
                   "pattern":
 "([^\p\{L\}\d]+)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=\b)|(?<=
\p{Lu}[\\p{L}&&[^\\p{Lu}]])"
               }
          }
      }
GET /test/_analyze?analyzer=camel&text=MooseX::FTPClass2_beta
# "moose","x","ftp","class","2","beta"
The regex above is easier to understand as:
   ([^{p}L]/d]+)
                                                                         # swallow non letters and numbers,
| (?<=\D)(?=\d)
                                                                               # or non-number followed by number,
                                                                               # or number followed by non-number,
| (?<=\d)(?=\D)
| (? <= [ \p{L} && [^\p{Lu}]]) # or lower case
                                                                         # followed by upper case,
   (?=\p\{Lu\})
| (?<=\p{Lu})
                                                                       # or upper case
   (?=\p\{Lu\}
                                                                         # followed by upper case
       [\p{L}&&[^\p{Lu}]]
                                                                          # then lower case
###arabic analyser
   "settings": {
       "analysis": {
            "filter": {
               "arabic_stop": {
                   "type":
                                                     "stop",
```

```
"stopwords": "_arabic_"
    },
     "arabic_keywords": {
      "type":
                "keyword_marker",
      "keywords": []
     },
     "arabic_stemmer": {
      "type":
                "stemmer",
      "language": "arabic"
    }
   },
   "analyzer": {
     "arabic": {
      "tokenizer": "standard",
      "filter": [
       "lowercase",
       "arabic_stop",
       "arabic_normalization",
       "arabic_keywords",
       "arabic_stemmer"
     ]
###armenian Analyzer
 "settings": {
  "analysis": {
   "filter": {
     "armenian_stop": {
      "type":
                "stop",
      "stopwords": "_armenian_"
     "armenian_keywords": {
      "type":
                "keyword_marker",
      "keywords": []
     "armenian_stemmer": {
      "type":
                "stemmer",
      "language": "armenian"
```

```
},
   "analyzer": {
     "armenian": {
      "tokenizer": "standard",
      "filter": [
       "lowercase",
       "armenian_stop",
       "armenian_keywords",
       "armenian_stemmer"
    }
}
####basque analyzer
 "settings": {
  "analysis": {
   "filter": {
    "basque_stop": {
      "type":
               "stop",
      "stopwords": "_basque_"
     },
     "basque_keywords": {
                "keyword_marker",
      "type":
      "keywords": []
     },
     "basque_stemmer": {
      "type":
                "stemmer",
      "language": "basque"
    }
   },
   "analyzer": {
     "basque": {
      "tokenizer": "standard",
      "filter": [
       "lowercase",
       "basque_stop",
       "basque_keywords",
       "basque_stemmer"
     ]
    }
```

```
}
  }
}
}
###brazilian analyzer
 "settings": {
  "analysis": {
   "filter": {
     "brazilian_stop": {
      "type":
                 "stop",
      "stopwords": "_brazilian_"
     },
     "brazilian_keywords": {
                 "keyword_marker",
      "type":
      "keywords": []
     "brazilian_stemmer": {
      "type":
                "stemmer",
      "language": "brazilian"
    }
   },
   "analyzer": {
     "brazilian": {
      "tokenizer": "standard",
      "filter": [
       "lowercase",
       "brazilian_stop",
       "brazilian_keywords",
       "brazilian_stemmer"
    }
   }
}
###english analyzer
 "settings": {
  "analysis": {
   "filter": {
     "english_stop": {
      "type":
                 "stop",
```

```
"stopwords": "_english_"
    },
     "english_keywords": {
                "keyword_marker",
      "type":
      "keywords": []
    },
     "english_stemmer": {
      "type":
                "stemmer",
      "language": "english"
     "english_possessive_stemmer": {
      "type":
                "stemmer",
      "language": "possessive_english"
    }
   },
   "analyzer": {
     "english": {
      "tokenizer": "standard",
      "filter": [
       "english_possessive_stemmer",
       "lowercase",
       "english_stop",
       "english_keywords",
       "english_stemmer"
      ]
    }
index:
  analysis:
    analyzer:
       myAnalyzer2:
         type: custom
         tokenizer: myTokenizer1
         filter: [myTokenFilter1, myTokenFilter2]
         char_filter : [my_html]
         position_increment_gap: 256
    tokenizer:
       myTokenizer1:
         type: standard
```

```
max_token_length: 900
    filter:
       myTokenFilter1:
         type: stop
         stopwords: [stop1, stop2, stop3, stop4]
       myTokenFilter2:
         type: length
         min:0
         max: 2000
    char_filter:
        my_html:
         type: html_strip
         escaped_tags : [xxx, yyy]
         read_ahead: 1024
#### edge ngram tokenizer #######
 curl -XPUT 'localhost:9200/test' -d '
    "settings" : {
       "analysis" : {
         "analyzer" : {
            "my_edge_ngram_analyzer" : {
              "tokenizer" : "my_edge_ngram_tokenizer"
           }
         },
         "tokenizer" : {
            "my_edge_ngram_tokenizer" : {
              "type": "edgeNGram",
              "min_gram": "2",
              "max_gram": "5",
              "token_chars": [ "letter", "digit" ]
           }
         }
      }
    }
  }'
  curl 'localhost:9200/test/_analyze?pretty=1&analyzer=my_edge_ngram_analyzer' -d 'FC
Schalke 04'
  # FC, Sc, Sch, Scha, Schal, 04
  #### ngram tokenizer#####
```

```
curl -XPUT 'localhost:9200/test' -d '
  {
     "settings" : {
       "analysis" : {
          "analyzer" : {
            "my_ngram_analyzer" : {
               "tokenizer" : "my_ngram_tokenizer"
            }
         },
          "tokenizer" : {
            "my_ngram_tokenizer" : {
               "type": "nGram",
               "min_gram": "2",
               "max_gram": "3",
               "token_chars": [ "letter", "digit" ]
            }
         }
       }
    }
  }'
  curl 'localhost:9200/test/_analyze?pretty=1&analyzer=my_ngram_analyzer' -d 'FC Schalke
04'
  # FC, Sc, Sch, ch, cha, ha, hal, al, alk, lk, lke, ke, 04
######Lowercase token filter
index:
  analysis:
     analyzer:
       myAnalyzer2:
          type: custom
          tokenizer: myTokenizer1
          filter: [myTokenFilter1, myGreekLowerCaseFilter]
          char_filter : [my_html]
     tokenizer:
       myTokenizer1:
          type: standard
          max_token_length: 900
     filter:
       myTokenFilter1:
          type: stop
```

```
stopwords: [stop1, stop2, stop3, stop4]
       myGreekLowerCaseFilter:
          type: lowercase
          language : greek
     char_filter:
        my_html:
          type: html_strip
          escaped_tags : [xxx, yyy]
          read_ahead: 1024
##### STop Token Filter
PUT /my_index
  "settings": {
     "analysis": {
       "filter": {
          "my_stop": {
            "type":
                       "stop",
            "stopwords": ["and", "is", "the"]
         }
       }
    }
}
PUT /my_index2
  "settings": {
    "analysis": {
       "filter": {
          "my_stop": {
            "type":
                       "stop",
            "stopwords": "_english_"
         }
       }
    }
  }
}
```

Elasticsearch provides the following predefined list of languages:

```
_arabic_, _armenian_, _basque_, _brazilian_, _bulgarian_, _catalan_, _czech_, _danish_,
_dutch_, _english_, _finnish_, _french_, _galician_, _german_, _greek_, _hindi_, _hungarian_,
_indonesian_, _irish_, _italian_, _latvian_, _norwegian_, _persian_, _portuguese_, _romanian_,
_russian_, _sorani_, _spanish_, _swedish_, _thai_, _turkish_.
For the empty stopwords list (to disable stopwords) use: none .
###character filters
  "index" : {
     "analysis" : {
       "char_filter" : {
          "my_mapping" : {
             "type": "mapping",
             "mappings" : [
              "ph => f",
              "qu => k"
          }
       },
       "analyzer" : {
          "custom_with_char_filter" : {
            "tokenizer": "standard",
            "char_filter" : ["my_mapping"]
          }
       }
    }
}
  "index" : {
     "analysis" : {
       "char_filter" : {
          "my_pattern":{
            "type":"pattern_replace",
            "pattern": "sample(.*)",
             "replacement": "replacedSample $1"
          }
       },
       "analyzer" : {
          "custom_with_char_filter": {
```