GET /products/\_msearch

{"index" : "products"}

{"query" : {"match" : { "title": "dasdasdsadas"}}}

{"index" : "products"}

{"query" : {"match" : { "title": "samsung"}}}

{"index" : "products"}

{"query" : {"match" : { "title": "i phone"}}}

GET /products/\_search

{

"query": {

"function\_score": {

"query": { "match\_all": {} },

"boost": "10",

"random\_score": {},

"boost\_mode": "multiply"

}

}

}

GET /products/\_search

{

"query": {

"match": {

"title": {

"query": "iphon",

"fuzziness": "AUTO"

}

}

}

}

GET /products/\_search

{

"query": {

"intervals" : {

"title" : {

"all\_of" : {

"ordered" : true,

"intervals" : [

{

"match" : {

"query" : "i phone xr",

"max\_gaps" : 0,

"ordered" : true

}

},

{

"any\_of" : {

"intervals" : [

{ "match" : { "query" : "xr" } }

]

}

}

]

}

}

}

}

}

GET /products/\_settings

GET /products/\_search

{

"suggest" : {

"my-suggestion" : {

"text" : "ipx",

"term" : {

"field" : "title"

}

}

}

}

PUT products

{

"settings": {

"analysis": {

"filter": {

"my\_synonym\_filter": {

"type": "synonym",

"synonyms": [

"i phone x, xs, xs max, ipx",

"i phone xs max, xsmax, iphonexsmax, ipxsmax",

"i phone, ip",

"i phone xr, ipxr",

"i phone xs, ipxs"

]

},

"ngram\_filter":{

"type": "edge\_ngram",

"min\_gram": 1,

"max\_gram": 5,

"token\_chars": [

"whitespace"

]

},

"whitespace\_remove": {

"type": "pattern\_replace",

"pattern": "[^a-z,A-Z]",

"replacement": ""

}

},

"analyzer": {

"my\_synonyms": {

"tokenizer": "standard",

"filter": [

"lowercase",

"my\_synonym\_filter"

]

},

"ngram\_analyzer":{

"type": "custom",

"tokenizer": "standard",

"filter":[

"lowercase",

"ngram\_filter"

]

},

"remove\_space": {

"type": "custom",

"tokenizer": "keyword",

"filter": [

"whitespace\_remove"

]

}

}

}

}

}

GET /products/\_analyze

{

"analyzer": "remove\_space",

"text": "sam sung"

}

GET /products/\_search

{

"query": {

"match": {

"title":{

"query": "iph one",

"analyzer": "remove\_space",

"fuzziness": "AUTO"

}

}

}

}

PUT /products

{

"settings": {

"analysis": {

"filter": {

"ngram\_filter":{

"type": "edge\_ngram",

"min\_gram": 1,

"max\_gram": 4

}

},

"analyzer": {

"ngram\_analyzer":{

"type": "custom",

"tokenizer": "standard",

"filter":[

"lowercase",

"ngram\_filter"

]

}

},

"number\_of\_shards": 1,

"number\_of\_replicas": 0

}

}

}

PUT products/\_mapping

{

"properties":{

"title":{

"type": "text",

"analyzer": "ngram\_analyzer"

}

}

}

DELETE products

PUT \_bulk

{ "create" : { "\_index" : "products", "\_id" : "1" } }

{ "id": "1", "title" : "i phone 2g 2007", "year":2007 , "price":100, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "2" } }

{ "id": "2", "title" : "i phone 3g 2008", "year":2008 , "price":200, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "3" } }

{ "id": "3", "title" : "i phone 3gs 2009", "year":2009 , "price":300, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "4" } }

{ "id": "4", "title" : "i phone 4 2010", "year":2010 , "price":1000, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "5" } }

{ "id": "5", "title" : "i phone 4s 2007", "year":2011 , "price":1100, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "6" } }

{ "id": "6", "title" : "i phone 5 2012", "year":2012 , "price":1200, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "7" } }

{ "id": "7", "title" : "i phone 5c 2013", "year":2013 , "price":1300, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "8" } }

{ "id": "8", "title" : "i phone 6 2014", "year":2014 , "price":1400, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "9" } }

{ "id": "9", "title" : "i phone 6 plus 2014", "year":2014 , "price":1300, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "10" } }

{ "id": "10", "title" : "i phone SE 2016", "year":2016 , "price":1600, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "11" } }

{ "id": "11", "title" : "i phone 7 2016", "year":2016 , "price":1600, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "12" } }

{ "id": "12", "title" : "i phone 7 plus 2016", "year":2016 , "price":1700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "13" } }

{ "id": "13", "title" : "i phone 8 2016", "year":2017 , "price":1700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "14" } }

{ "id": "14", "title" : "i phone 8 plus 2016", "year":2017 , "price":1700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "15" } }

{ "id": "15", "title" : "i phone x", "year":2017 , "price":2700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "16" } }

{ "id": "16", "title" : "i phone XS", "year":2018 , "price":3700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "17" } }

{ "id": "17", "title" : "i phone XS Max", "year":2018 , "price":4700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "18" } }

{ "id": "18", "title" : "i phone XR", "year":2018 , "price":5700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "19" } }

{ "id": "19", "title" : "i phone 11", "year":2019 , "price":6700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "20" } }

{ "id": "20", "title" : "i phone 11 Pro", "year":2019 , "price":7700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "21" } }

{ "id": "21", "title" : "i phone 11 Pro Max", "year":2019 , "price":8700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "22" } }

{ "id": "22", "title" : "i phone 12 mini", "year":2020 , "price":10700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "23" } }

{ "id": "23", "title" : "i phone 12", "year":2020 , "price":11700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "24" } }

{ "id": "24", "title" : "i phone 12 pro", "year":2020 , "price":12700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "25" } }

{ "id": "25", "title" : "i phone 12 pro max", "year":2020 , "price":14700, "genre":["phone", "technology", "iphone"] }

{ "create" : { "\_index" : "products", "\_id" : "26" } }

{ "id": "26", "title" : "samsung s8", "year":2010 , "price":10700, "genre":["phone", "technology", "samsung"] }

{ "create" : { "\_index" : "products", "\_id" : "27" } }

{ "id": "27", "title" : "samsung s7", "year":2010 , "price":10700, "genre":["phone", "technology", "samsung"] }

{ "create" : { "\_index" : "products", "\_id" : "28" } }

{ "id": "28", "title" : "samsung node 5", "year":2010 , "price":10700, "genre":["phone", "technology", "samsung"] }

{ "create" : { "\_index" : "products", "\_id" : "29" } }

{ "id": "29", "title" : "samsung node 4", "year":2010 , "price":10700, "genre":["phone", "technology", "samsung"] }

{ "create" : { "\_index" : "products", "\_id" : "30" } }

{ "id": "30", "title" : "samsung j", "year":2010 , "price":140700, "genre":["phone", "technology", "samsung"] }

{ "create" : { "\_index" : "products", "\_id" : "31" } }

{ "id": "31", "title" : "samsung A7", "year":2010 , "price":103700, "genre":["phone", "technology", "samsung"] }

{ "create" : { "\_index" : "products", "\_id" : "32" } }

{ "id": "32", "title" : "samsung A5", "year":2010 , "price":102700, "genre":["phone", "technology", "samsung"] }

{ "create" : { "\_index" : "products", "\_id" : "33" } }

{ "id": "33", "title" : "samsung C9", "year":2010 , "price":107100, "genre":["phone", "technology", "samsung"] }

{ "create" : { "\_index" : "products", "\_id" : "34" } }

{ "id": "34", "title" : "samsung C5", "year":2010 , "price":130700, "genre":["phone", "technology", "samsung"] }

{ "create" : { "\_index" : "products", "\_id" : "35" } }

{ "id": "35", "title" : "xaomi k30", "year":2010 , "price":11700, "genre":["phone", "technology", "xiaomi"] }

{ "create" : { "\_index" : "products", "\_id" : "36" } }

{ "id": "36", "title" : "xaomi k20", "year":2010 , "price":311700, "genre":["phone", "technology", "xiaomi"] }

{ "create" : { "\_index" : "products", "\_id" : "37" } }

{ "id": "37", "title" : "xaomi k30 pro", "year":2010 , "price":114700, "genre":["phone", "technology", "xiaomi"] }

{ "create" : { "\_index" : "products", "\_id" : "38" } }

{ "id": "38", "title" : "xaomi r11", "year":2010 , "price":11700, "genre":["phone", "technology", "xiaomi"] }

{ "create" : { "\_index" : "products", "\_id" : "39" } }

{ "id": "39", "title" : "Nokia Lumia 10 ", "year":2010 , "price":11700, "genre":["phone", "technology", "nokia"] }

{ "create" : { "\_index" : "products", "\_id" : "40" } }

{ "id": "40", "title" : "Nokia N-Gage ", "year":2011 , "price":11700, "genre":["phone", "technology", "nokia"] }