

Mapping and Search API Changes

Mapping (Before)	Mapping (After)
<pre>{ "logs" : { "properties" : { "project_name" : { "type" : "string" }, "project_description" : { "type" : "string" }, "content" : { "type" : "string" }, "suggest" : { "type" : "completion", "analyzer" : "simple", "search_analyzer" : "simple" } } } }</pre>	<pre>{ "mappings": { "projects": { "properties": { "project_name": { "type": "string", "analyzer": "title_analyzer" }, "project_description": { "type": "string", "analyzer": "grimdall_analyzer" }, "content": { "type": "string", "analyzer": "grimdall_analyzer" }, "language": { "type": "string", "analyzer": "language_analyzer" } } } }, "settings": { "analysis": { "analyzer": { "title_analyzer": { "type": "custom",</pre>

```
"tokenizer": "standard",
"char_filter": "my_char",
"filter": ["lowercase", "my_synonym_filter", "edgy"]
},
"grimdall_analyzer": {
  "type": "custom",
  "tokenizer": "standard",
  "char_filter": "my_char",
  "filter": ["lowercase", "my_synonym_filter", "my_stop", "my_snow"]
},
"language_analyzer": {
  "type": "custom",
  "tokenizer": "standard",
  "char_filter": "my_char",
  "filter": ["lowercase", "my_synonym_filter", "edgy"]
}
},
"filter": {
  "edgy": {
    "type": "edge_ngram",
    "min_gram": "2",
    "max_gram": "10"
  },
  "my_synonym_filter": {
    "type": "synonym",
    "synonyms": ["javascript=>js"]
  },
  "my_stop": {
    "type": "stop",
    "stopwords": "_english_"
  },
  "my_snow": {
    "type": "snowball",
    "language": "English"
  }
}
```

	<pre> } }, "char_filter": { "my_char": { "type": "mapping", "mappings": ["++ => plusplus", "# => sharp"] } } } </pre>
Search API (Before)	
<pre> localhost:9200/<Index>/_search { "query": { "bool": { "should": { "match": { "_all": { "query": "<query>", "fuzziness": "AUTO", "operator": "or", "prefix_length": "1" } } } } }, "size": "1000" } </pre>	
Search API (After)	

localhost:9200/<Index>/_search

```
{
  "query": {
    "bool": {
      "should": [
        {"match": { "_all": { "query": <query>, "fuzziness": "AUTO", "operator": "or", "prefix_length": "1" } } },
        {"match": { "project_name": { "query": <query> } } },
        {"match": { "project_description": { "query": <query> } } },
        {"match": { "content": { "query": <query> } } },
        {"match": { "language": { "query": <query> } } }
      ]
    }
  },
  "size": "1000"
}
```