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>

```json
                                          "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"
```

```
                    }
                },
                "char_filter": {
                  "my_char": {
                        "type": "mapping",
                        "mappings": ["++ => plusplus", "# => sharp"]
                  }
                }
              }
            }
          }
```

Search API (Before)

```
localhost:9200/<Index>/_search
{
        "query": {
                "bool": {
                        "should": {
                                "match": {
                                        "_all": {
                                                "query": <query>,
                                                "fuzziness": "AUTO",
                                                "operator": "or",
                                                "prefix_length": "1"
                                        }
                                }
                        }
                }
        },
        "size": "1000"
}
```

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"
}
```