
elasticsearch-objects-operator

elasticsearch-objects-operator development team

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ELASTICSEARCH-OBJECTS-OPERATOR INSTALLATION

The contains details of how to install and uninstall elasticsearch-objects-operator

1.1 Requirements

elasticsearch-objects-operator runs on K8S cluster 1.14 and up. To install it you would need:

1. Admin access to cluster
2. `kubectl` which is configured to access your cluster and is in your execution path
3. GNU or *NIX Make which is in your execution path

1.2 Install to K8S cluster

The elasticsearch-objects-operator docker image is located at [DockerHub](#).

To install it to your K8S cluster:

1. edit `deploy/secret.yaml` and add URL to your ES cluster
2. Install using `make` and `kubectl`:

```
cd deploy
make install
```


Any questions related to elasticsearch-objects-operator:

ELASTICSEARCH INDEX CRD

Example:

```
apiVersion: xo.90poe.io/v1alpha1
kind: ElasticsearchIndex
metadata:
  name: example-elasticsearchindex
  namespace: "90"
spec:
  name: dev_test_test
  drop_on_delete: true
  settings:
    number_of_shards: 55
    shards:
      check_on_startup: "false"
      codec: "default"
      number_of_replicas: 3
  mappings: |
    {
      "dynamic": false,
      "_source": {
        "enabled": true
      },
      "properties": {
        "isRead": {
          "type": "boolean",
          "index": true
        },
        "createdAt": {
          "type": "date",
          "index": true
        }
      }
    }
  }
```

3.1 Spec

Setting are made to be as close as possible to [ES API](#).

You would need to amend `spec` section.

3.2 ESIndexSettings

ELASTICSEARCH TEMPLATE CRD

Example:

```
apiVersion: xo.90poe.io/v1alpha1
kind: ElasticsearchTemplate
metadata:
  name: example-elasticsearchtemplate
  namespace: zm
spec:
  name: dev_test_test_tmpl
  drop_on_delete: true
  index_patterns:
  - "zm_spm_draft_position_weather_*"
  aliases:
    some_test: {}
    "{index}-alias-for-{gender}":
      filter: |
        {
          "term" : {
            "product" : "Elasticsearch"
          }
        }
      aliases:
      - "zm_spm_draft_position_weather"
  settings:
    number_of_shards: 55
    shards:
      check_on_startup: "false"
    codec: "default"
    number_of_replicas: 3
  mappings: |
    {
      "dynamic": false,
      "_source": {
        "enabled": true
      },
      "properties": {
        "isRead": {
          "type": "boolean",
          "index": true
        },
        "createdAt": {
          "type": "date",
          "index": true
        }
      }
    }
```

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```
}  
}
```

4.1 Spec

Setting are made to be as close as possible to [ES API](#).

You would need to amend `spec` section.

4.2 ESALias

INDICES AND TABLES

- genindex
- modindex
- search