

## Practice Elasticsearch CRUD operations

### Instructions:

- In this exercise you'll learn about Elasticsearch CRUD API
- You'll also need to read Elasticsearch documentation in order to make it work!
- You may need to review Elasticsearch [Document APIs](#) in order to complete the assignment

Open *marvel sense* at: [http://localhost:9200/\\_plugin/marvel/sense/index.html](http://localhost:9200/_plugin/marvel/sense/index.html)

- Create an index named *[your firstname].[your lastname].catalog*  
For example, if my name is Eyal Dahari. My index name would be: *eyal.dahari.catalog*  
**Very important to have different index names in this class. Do you know Y?**  
**Hint: Think about Ex1 cluster configuration and Elasticsearch multitenancy**
- Add a type named *bands* to the catalog with id 1
- The type *bands* is composed by the following fields:
  - *title*: the album name. A [string](#)
  - *name*: the band leader name. An [object](#) composed of 2 fields:
    - first*: for the band leader firstname. A [string](#)
    - last*: for the band leader lastname. A [string](#)
  - *publish\_date*: the [date](#) the album was released. A [date](#)
  - *price*: the album [price](#). An integer.
- Please choose your favorite *band* and fill this info in the new *band* info you are indexing
- Look at the API result, should be something like:

```
{
  "_index": "catalog",
  "_type": "bands",
  "_id": "1",
  "_version": 1,
  "created": true
}
```
- *GET* the *band* you have just indexed
- *UPDATE* the bands album *price* to 10 and *GET* the *album* once again to validate your operation
- Add another *album* with another *band* of your like. This *album* id would be 2. **Don't put too much effort into this since you are going to delete this album in the next steps**
- *GET* the *albums* you have in your index
- *DELETE* the album you have just created: id 2
- Validate your deletion

Good Luck!