

Deleting the Document

Note: XML files are already saved in “exercise_files” directory. Use vscode to view files.

To delete documents from the index of Apache Solr, we need to specify the ID's of the documents to be deleted between the <delete></delete> tags.

```
<delete>
  <id>003</id>
  <id>005</id>
  <id>004</id>
  <id>002</id>
</delete>
```

Here, this XML code is used to delete the documents with ID's **003** and **005**. Save this code in a file with the name **delete.xml**.

If you want to delete the documents from the index which belongs to the core named **my_core**, then you can post the **delete.xml** file using the **post** tool, as shown below.

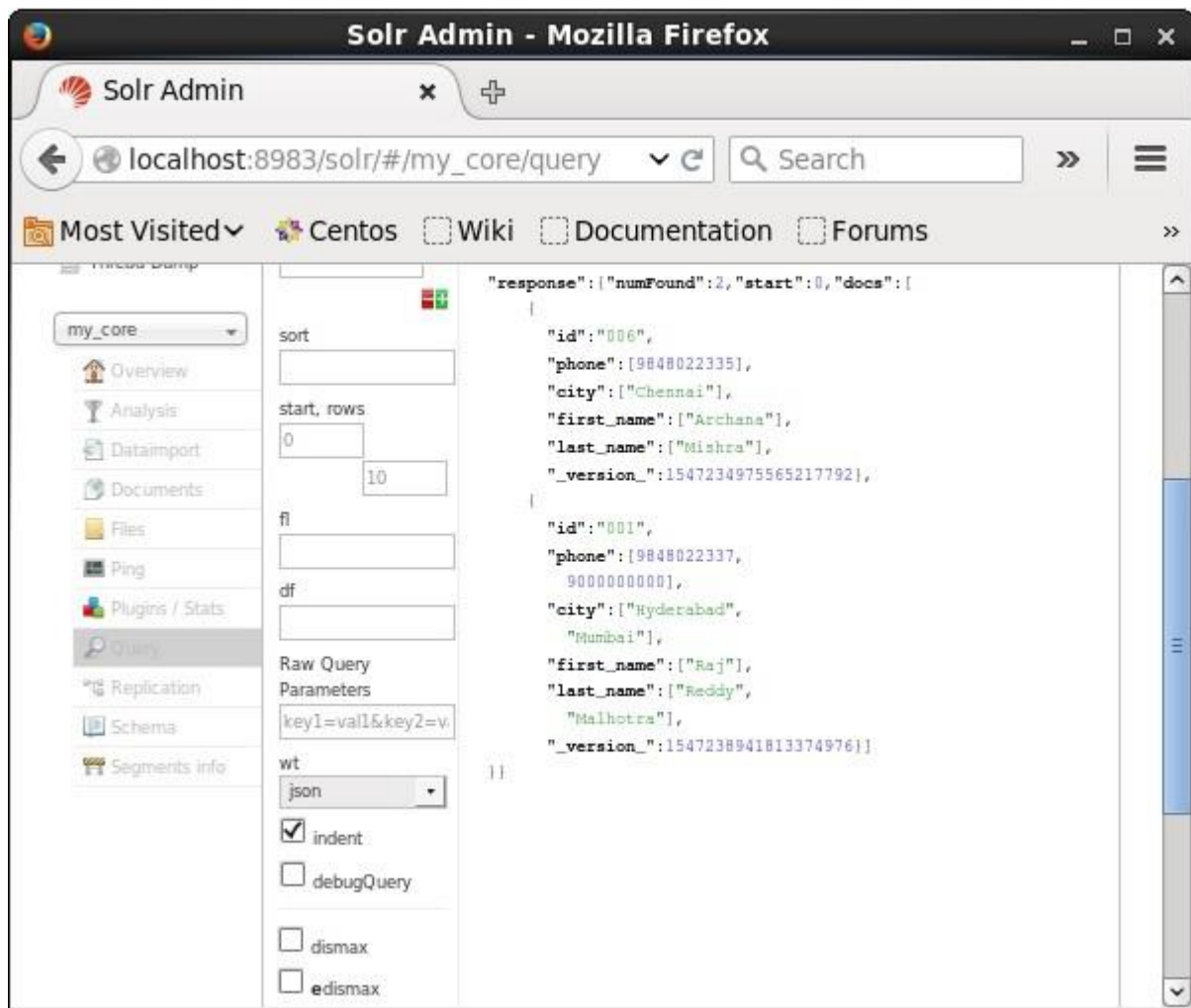
```
[Hadoop@localhost bin]$ post -c my_core delete.xml
```

On executing the above command, you will get the following output.

```
/home/Hadoop/java/bin/java -classpath
/home/Hadoop/Solr/dist/Solr-core
6.2.0.jar -Dauto = yes -Dc = my_core -Ddata = files
org.apache.Solr.util.SimplePostTool delete.xml
SimplePostTool version 5.0.0
Posting files to [base] url
http://localhost:8983/Solr/my_core/update...
Entering auto mode. File endings considered are
xml,json,jsonl,csv,pdf,doc,docx,ppt,pptx,xls,xlsx,odt,odp,ods,ott
,otp,ots,
rtf,htm,html,txt,log
POSTing file delete.xml (application/xml) to [base]
1 files indexed.
COMMITting Solr index changes to
http://localhost:8983/Solr/my_core/update...
Time spent: 0:00:00.179
```

Verification

Visit the homepage of the of Apache Solr web interface and select the core as **my_core**. Try to retrieve all the documents by passing the query “:” in the text area **q** and execute the query. On executing, you can observe that the specified documents are deleted.



Deleting a Field

Sometimes we need to delete documents based on fields other than ID. For example, we may have to delete the documents where the city is Chennai.

In such cases, you need to specify the name and value of the field within the `<query></query>` tag pair.

```
<delete>
  <query>city:Chennai</query>
</delete>
```

Save it as **delete_field.xml** and perform the delete operation on the core named **my_core** using the **post** tool of Solr.

```
[Hadoop@localhost bin]$ post -c my_core delete_field.xml
```

On executing the above command, it produces the following output.

```
/home/Hadoop/java/bin/java -classpath
/home/Hadoop/Solr/dist/Solr-core
6.2.0.jar -Dauto = yes -Dc = my_core -Ddata = files
org.apache.Solr.util.SimplePostTool delete_field.xml
SimplePostTool version 5.0.0
```

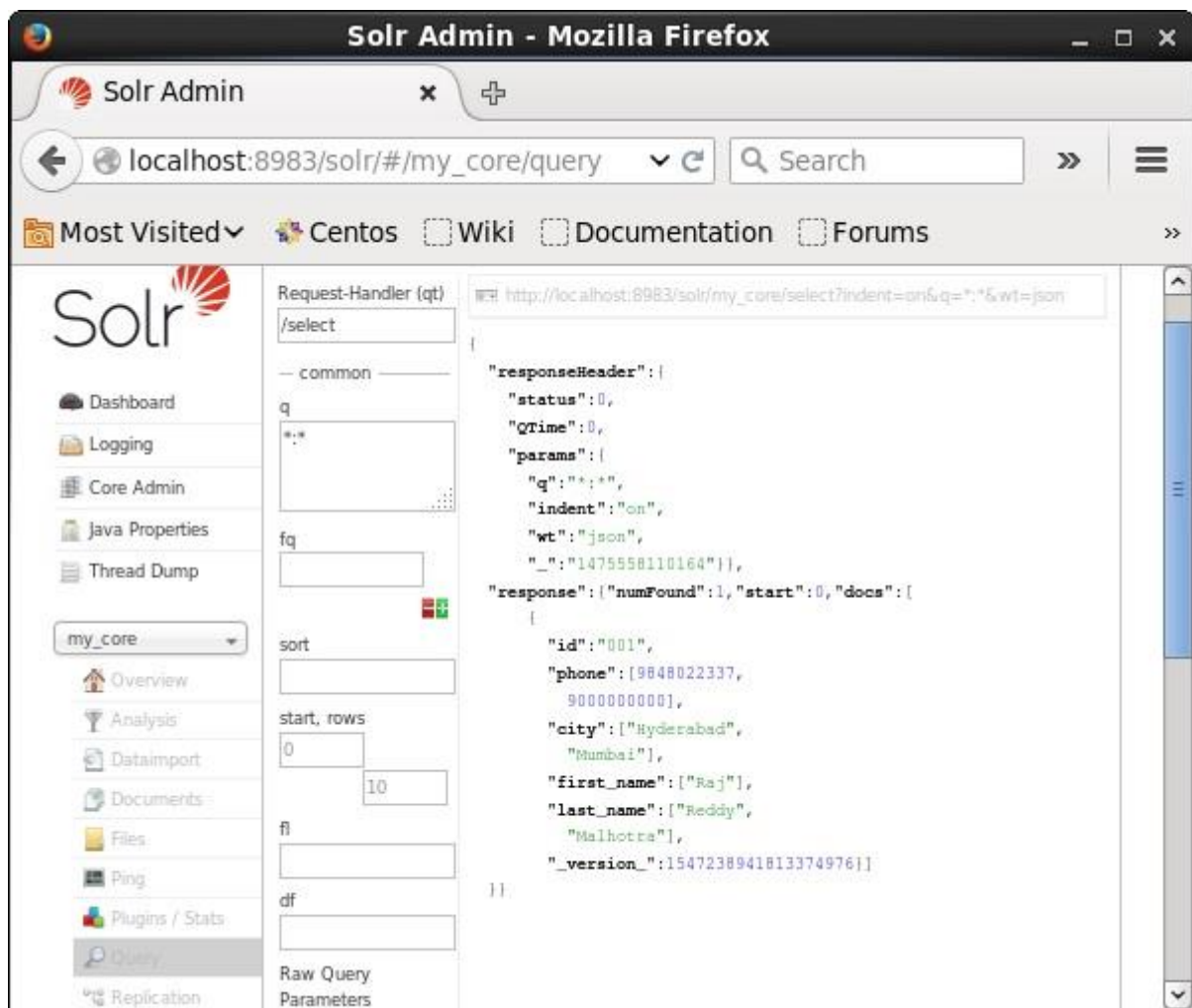
```

Posting files to [base] url
http://localhost:8983/Solr/my_core/update...
Entering auto mode. File endings considered are
xml,json,jsonl,csv,pdf,doc,docx,ppt,pptx,xls,xlsx,odt,odp,ods,ott
,otp,ots,
rtf,htm,html,txt,log
POSTing file delete_field.xml (application/xml) to [base]
1 files indexed.
COMMITting Solr index changes to
http://localhost:8983/Solr/my_core/update...
Time spent: 0:00:00.084

```

Verification

Visit the homepage of the of Apache Solr web interface and select the core as **my_core**. Try to retrieve all the documents by passing the query “:” in the text area **q** and execute the query. On executing, you can observe that the documents containing the specified field value pair are deleted.



Deleting All Documents

Just like deleting a specific field, if you want to delete all the documents from an index, you just need to pass the symbol ":" between the tags <query></query>, as shown below.

```
<delete>
  <query>*:*</query>
</delete>
```

Save it as **delete_all.xml** and perform the delete operation on the core named **my_core** using the **post** tool of Solr.

```
[Hadoop@localhost bin]$ post -c my_core delete_all.xml
```

On executing the above command, it produces the following output.

```
/home/Hadoop/java/bin/java -classpath
/home/Hadoop/Solr/dist/Solr-core
6.2.0.jar -Dauto = yes -Dc = my_core -Ddata = files
org.apache.Solr.util.SimplePostTool deleteAll.xml
SimplePostTool version 5.0.0
Posting files to [base] url
http://localhost:8983/Solr/my_core/update...
Entering auto mode. File endings considered are
xml,json,jsonl,csv,pdf,doc,docx,ppt,pptx,xls,xlsx,odt,odp,ods,ott
,otp,ots,rtf,
htm,html,txt,log
POSTing file deleteAll.xml (application/xml) to [base]
1 files indexed.
COMMITting Solr index changes to
http://localhost:8983/Solr/my_core/update...
Time spent: 0:00:00.138
```

Verification

Visit the homepage of Apache Solr web interface and select the core as **my_core**. Try to retrieve all the documents by passing the query ":" in the text area **q** and execute the query. On executing, you can observe that the documents containing the specified field value pair are deleted.

Solr Admin - Mozilla Firefox

Solr Admin

localhost:8983/solr/#/my_core/query

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Request-Handler (qt)

/select

common

q

fq

sort

start, rows

0

10

fl

df

```
{
  "responseHeader": {
    "status": 0,
    "QTime": 0,
    "params": {
      "q": "*",
      "indent": "on",
      "wt": "json",
      "_": "1475558110164"
    }
  },
  "response": { "numFound": 0, "start": 0, "docs": [] }
}
```