

COUCHDB - DELETING A DOCUMENT

http://www.tutorialspoint.com/couchdb/couchdb_deleting_a_document.htm

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Deleting a Document using cURL Utility

You can delete a document in CouchDB by sending an HTTP request to the server using DELETE method through cURL utility. Following is the syntax to delete a document.

```
curl -X DELETE http://127.0.0.1:5984/database_name/database_id?_rev
```

Using **-X**, we can specify a custom request method of HTTP we are using, while communicating with the HTTP server. In this case, we are using Delete method. To delete a database /database_name/database_id/ is not enough. You have to pass the recent revision id through the url. To mention attributes of any data structure "?" is used.

Example

Suppose there is a document in database named **my_database** with document id 001. To delete this document, you have to get the rev id of the document. Get the document data as shown below.

```
$ curl -X GET http://127.0.0.1:5984/my_database/001
{
  "_id" : "001",
  "_rev" : "2-04d8eac1680d237ca25b68b36b8899d3" ,
  "age" : "23"
}
```

Now specify the revision id of the document to be deleted, id of the document, and database name the document belongs to, as shown below –

```
$ curl -X DELETE http://127.0.0.1:5984/my_database/001?rev=1-
3fcc78daac7a90803f0a5e383f4f1e1e
{"ok":true,"id":"001","rev":"2-3a561d56de1ce3305d693bd15630bf96"}
```

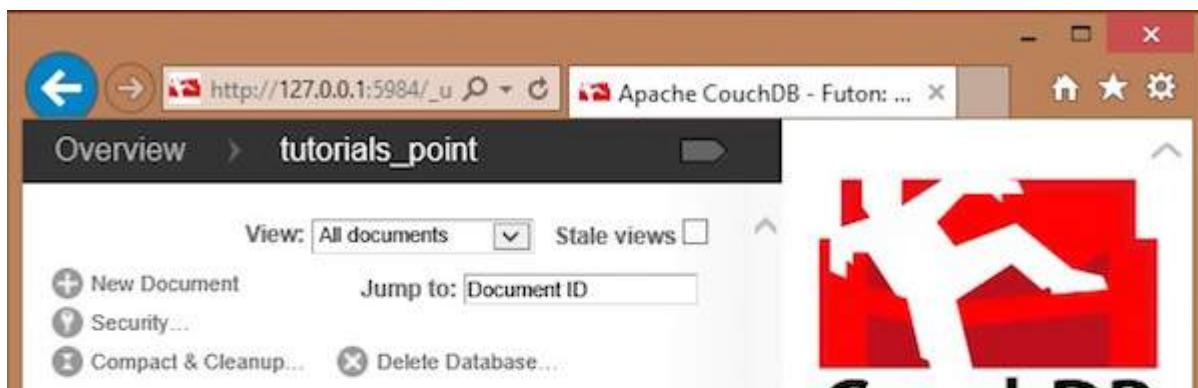
Verification

To verify whether the document is deleted, try to fetch the document by using the **GET** method. Since you are fetching a deleted document, this will give you an error message as shown below –

```
$ curl -X GET http://127.0.0.1:5984/my_database/001
{"error":"not_found","reason":"deleted"}
```

Deleting a Document using Futon

First of all, verify the documents in the database. Following is the snapshot of the database named **tutorialspoint**.



The screenshot shows the Apache CouchDB Futon interface. On the left, there is a table with two columns: 'Key' and 'Value'. The table contains three rows, each representing a document:

Key	Value
"001" ID: 001	(rev: "9-e833e03ef0a0f783112e347322d45627")
"002" ID: 002	(rev: "1-7fcdba36b9dfcb281bc75a2c8d197232")
"003" ID: 003	(rev: "1-967a00dfe5e02add41819138abb3284d")

Below the table, there are navigation links: '← Previous Page | Rows per page: 10 | Next Page →'. It also says 'Showing 1-3 of 3 rows'.

On the right side, there is a sidebar with the following menu items: Tools, Overview, Configuration, Replicator, Status, Documentation, Manual (with a note: 'Welcome to Admin Party! Everyone is admin. Fix this'), and Diagnostics (with a note: 'Futon on Apache CouchDB 1.6.1 Verify installation').

Here you can observe, the database consists of three documents. To delete any of the documents say **003**, do the following –

- Click on the document, you will get a page showing the contents of selected document in the form of field-value pairs.
- This page also contains four options namely **Save Document, Add Field, Upload Attachment, Delete Document**.
- Click on **Delete Document** option.
- You will get a dialog box saying "**Are you sure you want to delete this document?**" Click on delete, to delete the document.

The screenshot shows the Apache CouchDB Futon interface. The URL in the browser is `http://127.0.0.1:5984/_utils/tutorials_point/003`. The page displays the details of the document with ID 003. There are four buttons at the top: 'Save Document', 'Add Field', 'Upload Attachment...', and 'Delete Document'. The 'Delete Document' button is highlighted with a red box.

Below the buttons, there is a table with 'Fields' and 'Source' tabs. The 'Fields' tab is active, showing the following fields:

Field	Value
_id	003
_rev	1-967a00dfe5e02add41819138abb3284d

A modal dialog box is centered on the screen, asking for confirmation to delete the document. The dialog box has the title 'Delete Document' and the message 'Are you sure you want to delete this document?'. It contains two buttons: 'Delete' and 'Cancel'.