

COUCHDB - UPDATING A DOCUMENT

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

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Updating Documents using cURL

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

```
curl -X PUT http://127.0.0.1:5984/database_name/document_id/ -d '{ "field" : "value", "_rev" : "revision id" }'
```

Example

Suppose there is a document with id **001** in the database named `my_database`.

First of all, get the revision id of the document that is to be updated. You can find the `_rev` of the document in the document itself, as shown below –

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

Use revision id `_rev` from the document. In this example, we are updating the age from 23 to 24.

```
$ curl -X PUT http://127.0.0.1:5984/my_database/001/ -d
' { "age" : "24" , " _rev " : " 1-1c2fae390fa5475d9b809301bbf3f25e " } '
{ "ok" : true , " id " : " 001 " , " rev " : " 2-04d8eac1680d237ca25b68b36b8899d3 " }
```

Verification

To verify the document, get the document again using GET request as shown below –

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

Note –

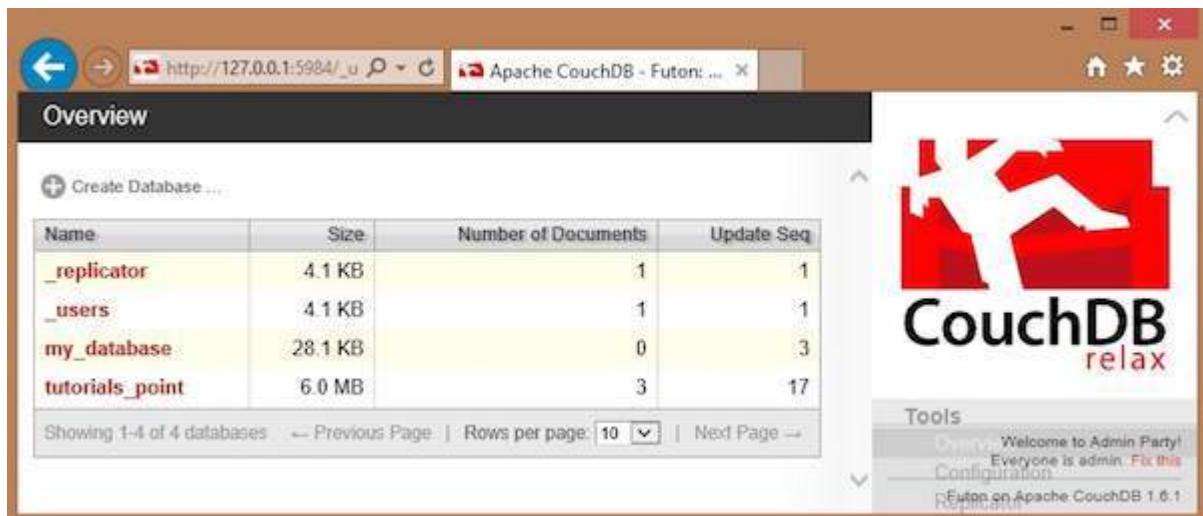
Following are some important points to be noted while updating a document.

- The URL we send in the request containing the database name and the document id.
- Updating an existing document is same as updating the entire document. You cannot add a field to an existing document. You can only write an entirely new version of the document into the database with the same document ID.
- We have to supply the revision number as a part of the JSON request.
- In return JSON contains the success message, the ID of the document being updated, and the new revision information. If you want to update the new version of the document, you have to quote this latest revision number.

Updating Documents using Futon

To delete a document open the http://127.0.0.1:5984/_utils/ url to get an Overview/index page

of CouchDB as shown below.

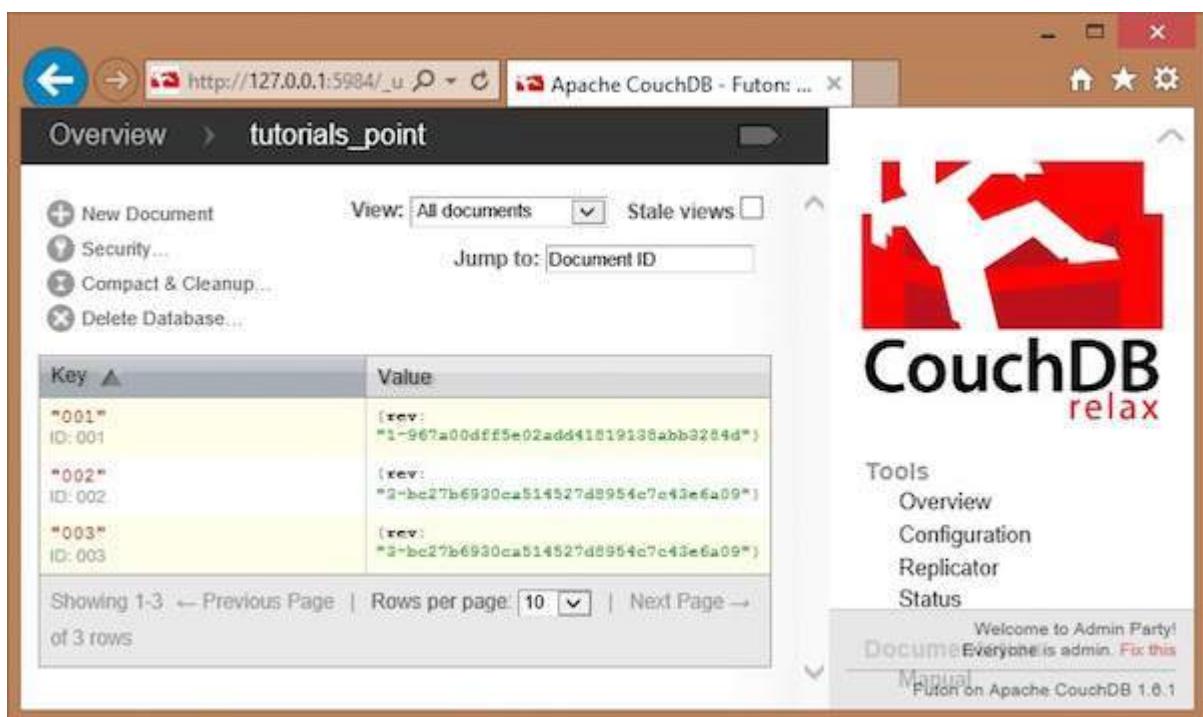


The screenshot shows the Apache CouchDB Futon interface. The title bar says "Apache CouchDB - Futon: ...". The main area is titled "Overview" and shows a table of databases. The table has columns: Name, Size, Number of Documents, and Update Seq. The databases listed are:

Name	Size	Number of Documents	Update Seq
_replicator	4.1 KB	1	1
_users	4.1 KB	1	1
my_database	28.1 KB	0	3
tutorials_point	6.0 MB	3	17

Below the table, it says "Showing 1-4 of 4 databases". There are buttons for "Previous Page", "Rows per page" (set to 10), and "Next Page". On the right, there is a "Tools" sidebar with "Overview", "Configuration", "Replicator", and "Status". A message in the sidebar says "Welcome to Admin Party! Everyone is admin. Fix this".

Select the database in which the document to be updated exists and click it. Here we are updating a document in the database named **tutorials_point**. You will get the list of documents in the database as shown below.

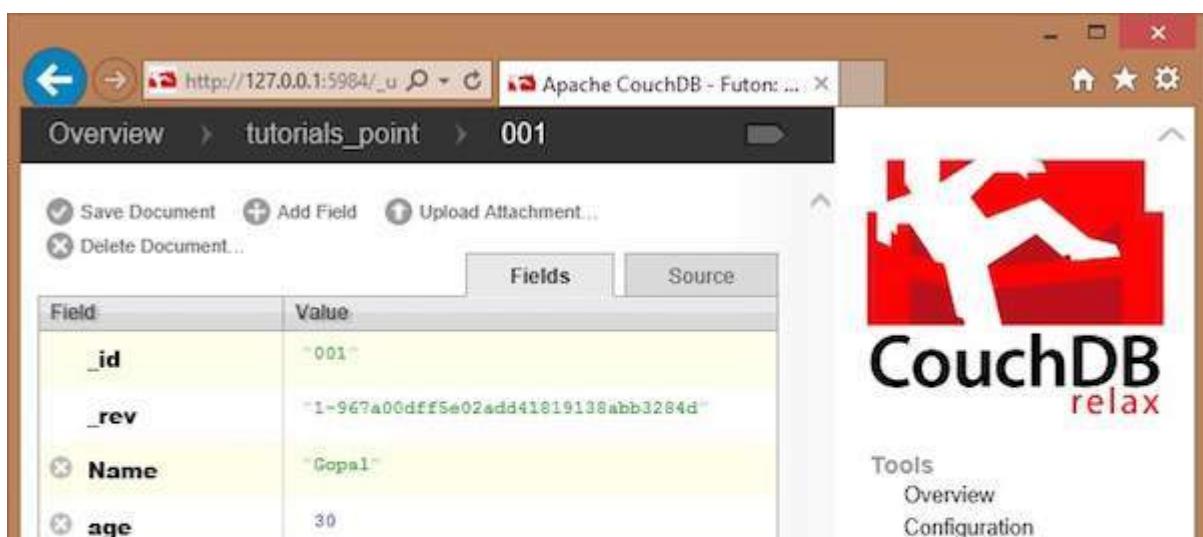


The screenshot shows the Apache CouchDB Futon interface for the "tutorials_point" database. The title bar says "Apache CouchDB - Futon: ...". The main area shows a table of documents. The table has columns: Key and Value. The documents listed are:

Key	Value
"001" ID: 001	{"_rev": "1-967a00dfe5e02add41819138abb3284d"}
"002" ID: 002	{"_rev": "2-bc27b6930ca514527d8954c7c43e6a09"}
"003" ID: 003	{"_rev": "3-bc27b6930ca514527d8954c7c43e6a09"}

Below the table, it says "Showing 1-3" and "of 3 rows". There are buttons for "Previous Page", "Rows per page" (set to 10), and "Next Page". On the right, there is a "Tools" sidebar with "Overview", "Configuration", "Replicator", and "Status". A message in the sidebar says "Welcome to Admin Party! Everyone is admin. Fix this".

Select a document that you want to update and click on it. You will get the contents of the documents as shown below.



The screenshot shows the Apache CouchDB Futon interface for the document "001" in the "tutorials_point" database. The title bar says "Apache CouchDB - Futon: ...". The main area shows the document's fields. The fields are:

Field	Value
_id	"001"
_rev	"1-967a00dfe5e02add41819138abb3284d"
Name	"Gopal"
age	30

At the top, there are buttons: "Save Document", "Add Field", "Upload Attachment...", and "Delete Document...". Below the table, there are tabs for "Fields" and "Source". On the right, there is a "Tools" sidebar with "Overview" and "Configuration". A message in the sidebar says "Welcome to Admin Party! Everyone is admin. Fix this".

The screenshot shows the Futon interface for Apache CouchDB. On the left, a document is displayed with fields: 'Designation' (Manager) and 'Location' (Delhi). Below the document are buttons for 'Previous Version' and 'Next Version'. On the right, a sidebar shows 'Replicator Status' and 'Documentation' with a 'Manual' link. A message at the bottom right says 'Welcome to Admin Party! Everyone is admin. Fix this'.

Here, to update the location from Delhi to Hyderabad, click on the text box, edit the field, and click the green button to save the changes as shown below.

The screenshot shows the Futon interface for Apache CouchDB. The document now has 'Location' updated to 'Hyderabad'. The sidebar on the right shows the 'CouchDB relax' logo, 'Tools' (Overview, Configuration, Replicator Status), 'Documentation' (Manual, Diagnostics), and a message at the bottom right: 'Welcome to Admin Party! Everyone is admin. Fix this'.