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How To Install Apache CouchDB on CentOS 8

by James Kiarie | Published: December 26, 2019 | December 26, 2019

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Written in Erlang language, Apache CouchDB is a free, reliable NoSQL database engine that natively supports data in JSON format. This makes it more scalable and easy to model your data as opposed to traditional SQL relational databases such as MySQL. The killer feature in CouchDB is its replication which spans a wide



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and various computing environments to provide high availability and on-demand access to data.

In this guide, we take you through a step-by-step procedure of how to install and configure

Apache CouchDB on CentOS 8.

Step 1: Install the EPEL Repository

The first step in installing

CouchDB is the installation of
the EPEL repository on CentOS 8
using the following yum
command.

yum install epel-



Install EPEL Repo on CentOS 8

Step 2: Enable the CouchDB

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Having successfully installed the EPEL package, now proceed and enable the CouchDB repository by first creating a repository file as shown.

vi /etc/yum.repos



Next, paste the configuration below in the repository file and save.

[bintray--apache-coundme=bintray--apache
baseurl=http://apacl
gpgcheck=0

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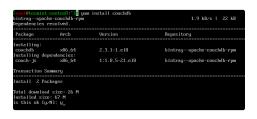


Enable CouchDB Repo in CentOS 8

Step 3: Install CouchDB on CentOS 8

With the **CouchDB** repository defined in its configuration file, now proceed and install **CouchDB** using the command.

yum install couch



Install CouchDB in CentOS 8

After the successful installation of **CouchDB** package and its dependencies, start, enable **CouchDB** to start on boot and



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commanas.

```
# systemctl start co
# systemctl enable of
# systemctl status of
```

```
| Constitution | Cons
```

Start and Verify the CouchDB Status

Additionally, you can verify the **CouchDB** listening port **5984** using the **netstat command** as shown.

```
# netstat -pnltu
```

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Check CouchDB Port Status

Step 4: Configuration of CouchDB on CentOS 8

CouchDB can be configured either as a standalone mode or in a clustered mode. In this guide, however, we are going to configure the CouchDB server in the single-mode configuration.

Also, we will configure CouchDB such that we can access it via a web browser

CouchDB's configuration files are located in the /opt/couchdb/etc/directory. We are going to make a few configurations in the local.ini file. So open the file using your favorite editor.

vi /opt/couchdb/e⁻

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an admin account by uncommenting the line just below it and define the password for admin in the format.

[admins]
admin = mypassword

Create CouchDB Admin Password

Next, scroll to the [chttpd]
section. Uncomment the port
and bind-address values. Also,
set the bind-address to

o.o.o.o to allow access from
external IP addresses. You can
later change this value for
security reasons.

Allow CouchDB Access

Save the changes and exit the configuration file. For the changes to take effect, restart CouchDB.

systemctl restart

If you are running firewalld on the server, you must open port **5984** to allow traffic **CouchDB**.

firewall-cmd --zo
firewall-cmd --re

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CouchDB Web Interface

Going by our configuration,

CouchDB should be running at

localhost:5984. To confirm

that CouchDB is working as

expected, use the curl command

to print CouchDB's information in

JSON format.

curl http://127.0



Check CouchDB Info

You can further confirm that all went according to a plan by firing up your browser and browsing your server's IP address as shown.

http://server-ip:59

You should get the webpage below prompting you to log in using the **username** and

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iocai.ini tile and nit EN I EK...



CouchDB Admin Login

The dashboard will be displayed as shown below.



CouchDB Admin Dashboard

Nothing is displayed because we have not created any databases thus far. In the next section, we will create a few databases.

Step 6. Create Databases in CouchDB

To create a database in CouchDB

commana in the syntax snown.

curl -u ADMINUSER

We are going to create 3 databases: **tecmint_db**, **users_db**, and **production_db**.

curl -u admin:P@s:
curl -u admin:P@s:
curl -u admin:P@s:

For each command, you should get the output below.

{"0k": true}

Constitution of the state of th

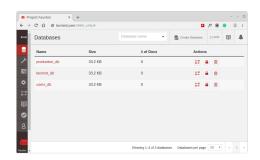
To check the databases created using the **GET** parameter in the command.

```
# curl -u admin:P@s:
# curl -u admin:P@s:
# curl -u admin:P@s:
# curl -u admin:P@s:
```



Get CouchDB Database Info

To view the databases on your browser, simply refresh/reload your browser.



Check CouchDB Databases Dashboard

To delete a database, use the

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example, the command deletes **users_db** database.

Again to check the databases, run.

Delete CouchDB Database

As you can observe, only two databases are present as we have deleted the **users_db** database.

And this brings us to the end of this tutorial. We hope that you

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configure **Couchub** on **Centus 8** system.

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