
cdbcli Documentation

Release 0.9.1

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Contents:

cdbcli - CouchDB Interactive Shell

1.1 Features

- auto-completion for database name, document id, view name, command
- syntax highlighting of documents and views
- navigate a couchdb server as if it were a file system
- **various commands supported**
 - cd - change database
 - ls - list docs under a database
 - cat - show content of a doc
 - exec - execute a view
 - rm - remove a doc
 - man - show help on commands
 - mkdir - create new database
 - du - doc and database size
 - lv - list views inside a view doc
- create/update docs using external `$EDITOR`
- pipe output to external shell commands, such as `grep`, `wc` and `jq`

1.2 Demo

1.3 Usage

This tool allows you to traverse a CouchDB database as if it were a file system. Familiar file system commands are supported, such as `ls`, `cd`, `mkdir`, `rm`, etc, while providing context-rich auto-completion.

1.3.1 Starting cdbcli

Refer to the *Installation* section for guide on how to install cdbcli.

Running cdbcli requires connection parameters to the underlying couchdb instance you want to connect to.

```
cdcli --help

Usage: cdbcli [OPTIONS] [DATABASE]

Options:
  -h, --host TEXT           The host of the couchdb instance
  --port TEXT               The port of the couchdb instance
  -u, --username TEXT       The username to connect as
  -p, --password TEXT       The password
  -P, --askpass / --no-askpass Ask for password?
  --tls / --no-tls         Use TLS to connect to the couchdb instance?
  --help                   Show this message and exit.
```

e.g., if you want to connect your couchdb instance at <http://yourdomain:9999>, you can issue the command:

```
cdcli -h yourdomain --port 9999 -u admin -P
```

Specifying `-P` will prompt you for password. You can also use `-p` to specify password at the command line, but this is not recommended for sensitive passwords.

By default, cdbcli connects to the couchdb instance at <http://localhost:5984>.

You will be greeted by the cdbcli's splash screen:

```

  / _ ) ( _ _ \ ( _ _ \ / _ ) ( _ _ ) ( _ _ )
 ( ( _ ) ( _ ) ) _ < ( ( _ ) ( _ _ ) ( _ _ )
 \ _ ) ( _ _ / ( _ _ / \ _ ) ( _ _ ) ( _ _ )

Welcome to cdbcli 0.1.1
CouchDB version: 1.5.0

Type 'help' or 'man' to get a list of all supported commands
Press <TAB> for command auto-completion
Press Ctrl+C or Ctrl+D or type 'exit' to exit

admin@yourdomain/>
```

1.3.2 Run with Docker

cdcli is also available as a docker image on the [docker hub](https://hub.docker.com/r/kevinjqiu/cdbcli)

To run:

```
docker run -it kevinjqiu/cdbcli cdbcli <arguments>
```

The docker networking restrictions apply, so if you want to connect to a database on localhost, e.g., you will need to let the container use the host's networking:

```
docker run -it --net=host kevinjqiu/cdbcli cdbcli <arguments>
```


1.4 Installation

```
pip install cdbcli
```

1.5 Contributing

- Clone this repository.
- Make a Python virtualenv
- Install requirements: `pip install -r requirements-test.txt`
- Install docker because the integration tests require it
- Run `make start_couchdb`. This will start the testing couchdb instance using docker
- Run `make test`
- Run `make stop_couchdb` to clean up

1.5.1 Contributing to Documentation

- Clone this repository.
- Make a Python virtualenv
- Install requirements: `pip install -r requirements-docs.txt`
- Run `make docs`. The documentation can be accessed under `docs/build/index.html`.

1.6 Licence

`cdbcli` is licensed under Apache 2.0

1.7 Authors

cdbcli was written by [Kevin J. Qiu](#).

See [all contributors](#)

1.8 Attribution

- [python-prompt-toolkit](#) by Jonathan Slenders
- [click](#) by Armin Ronacher

Indices and tables

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