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# **Cork Documentation**

*Release 0.12.0a2*

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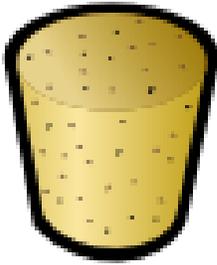
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#### Links

- [Bug tracker](#)
- [IRC: \(#bottlepy\) on Freenode](#)
- [Downloads](#)
- [Source code](#)

Cork provides a simple set of methods to implement Authentication and Authorization in web applications based on [Bottle](#) and [Flask](#).

It is designed to stay out of the way and let you focus on what your application should do.

Cork is under development - contributions are welcome.



# CHAPTER 1

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## Features

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- Minimal design, easy to tweak.
- Multiple storage backends are supported:
  - MySQL, MariaDB, PostgreSQL using SQLAlchemy
  - MongoDB
  - SQLite
  - Local JSON files for low-traffic web applications
- Simple role-based authentication. User are authorized by role e.g. 'admin', 'user', 'editor'.
  - Admin users can create and delete user accounts and roles.
- User registration and password reset using email delivery and confirmation.
- Unit-tested and code covered



- 2015-05-01: Version 0.12.0a2
  - Implement configurable variables in email templates #88
  - Fix #86, #87
- 2015-04-26: Version 0.12.0a1
  - WARNING: this is a development release and not backward-compatible.
  - Add Python 3 support
  - Add configurable session key #84
- 2015-01-06: Version 0.11
  - Add Flask support
  - MongoDB: add authentication #68
  - Enable configurable SMTP port. Closes: #43
  - Remove unneeded setuptools dependency. Closes: #40
- 2013-09-22: Version 0.10
  - Decorator support added. #6
  - ‘last\_login’ user attribute added. #47 #48
  - In-memory SQLite Database support added.
  - CONTRIBUTORS.txt added
  - Bugfix: configurable role table name #46
  - Bugfix: email address #42
- 2013-07-07: Version 0.9
  - SQLite support added.
  - SMTP URL bugfix #38

- 2013-05-27: Version 0.8
  - scrypt implemented, bugfixes #34 #35 #32
- 2013-04-08: Version 0.7
  - Configurable backend support added.
  - SQLAlchemy and MongoDB support added.
  - Closes: #8 #27 #28
- 2013-01-27: Version 0.6
  - More flexible file naming in JsonBackend.
  - Fixed function to update user's email address.
  - More informative log message for missing Pycrypto.

## CHAPTER 3

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### Roadmap

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- Additional hooks to provide logging or user-defined functions in case of login()/require() failure
- Hooks to share session data between multiple hosts
- Flask support



## CHAPTER 4

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### Basic usage

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#### Installation:

```
$ pip install bottle-cork  
or  
$ easy_install bottle-cork
```

Use virtualenv on package-based Linux distributions! [Learn why](#)

Fully working examples are provided with the [sources](#)

- [example\\_webapp\\_decorated](#)
- [example\\_webapp](#)



## CHAPTER 5

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### Code documentation

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cork\_module  
sqlalchemy\_backend  
mongodb\_backend  
sqlite\_backend



## CHAPTER 6

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### Indices and tables

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- `genindex`
- `modindex`
- `search`