
CCR Documentation

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CCR Tools Team

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Description

`ccr` is a Python library for interacting with the Chakra Community Repository, or CCR.

Functions

`ccr.search (keywords)`
search for some keywords - returns results as a list

`ccr.info (package)`
get information for a specific package - returns results as a list

`ccr.msearch (maintainer)`
search for packages owned by 'maintainer' - returns results as a list

`ccr.list_orphans ()`
search for orphaned packages - returns results as a list

`ccr.latest (num=10)`
get the info for the latest num CCR packages, returns as a list

`ccr.url (package)`
get the URL of the package's CCR page

`ccr.pkg_url (package)`
get the url to the source package

`ccr.pkgbuild_url (package)`
get the url to the online PKGBUILD viewer

`ccr.pkgbuild_raw_url (package)`
get the url to the actual PKGBUILD

`ccr.file_raw_url (package,f)`
get the url to an arbitrary file f, like a .install

Session Management

```

class ccr.Session (username=None, password=None, rememberme=False)
    class for all CCR actions

    adopt (package)
        adopt an orphaned CCR package raises a PackageNotFound exception if the package doesn't exist raises a
        ConnectionError if a network error occur raises a _OwnershipWarning if the package is already maintained
        or if it fails

    authenticate (username, password, rememberme=False)
        authenticate on CCR raises a ConnectionError if a network error occur raises a ValueError if login fails

    check_vote (package, return_id=False)
        check to see if you have already voted for a package raises a PackageNotFound exception if the package
        doesn't exist raises a ConnectionError if a network error occur

    close ()
        end the session

    delete (package)
        delete a package from CCR raises a PackageNotFound exception if the package doesn't exist raises a
        ConnectionError if a network error occur raises a _DeleteWarning on failure

    disown (package)
        disown a CCR package raises a PackageNotFound exception if the package doesn't exist raises a Connec-
        tionError if a network error occur raises a _OwnershipWarning on failure

    flag (package)
        flag a CCR package as out of date raises a PackageNotFound exception if the package doesn't exist raises
        a ConnectionError if a network error occur raises a _FlagWarning on failure

    notify (package)
        set the notify flag on a package raises a PackageNotFound exception if the package doesn't exist raises a
        ConnectionError if a network error occur raises a _NotifyWarning on failure

    setcategory (package, category)
        change/set the category of a package already in the CCR raises a PackageNotFound exception if the pack-
        age doesn't exist raises a requests.ConnectionError if a network error occur raises _CategoryWarning for
        an invalid category or if it fails.

    submit (f, category)
        submit a package to CCR raises KeyError on bad category raises IOError [Errno 2] if 'f' does not exist
        raises a ConnectionError if a network error occur

```

unflag (*package*)

unflag a CCR package as out of date raises a `PackageNotFound` exception if the package doesn't exist raises a `ConnectionError` if a network error occur raises a `_FlagWarning` on failure

unnotify (*package*)

unset the notify flag on a package raises a `PackageNotFound` exception if the package doesn't exist raises a `ConnectionError` if a network error occur raises a `_NotifyWarning` on failure

unvote (*package*)

unvote a package on CCR raises a `PackageNotFound` exception if the package doesn't exist raises a `ConnectionError` if a network error occur raises a `_VoteWarning` if it is already unvoted or if it couldn't unvote

vote (*package*)

vote for a package on CCR raises a `PackageNotFound` if the package doesn't exist raises a `ConnectionError` if a network error occur raises a `_VoteWarning` if it is already voted or if it couldn't vote

Authentication

class `ccrauth.AuthFile`

A class to manage authentication information in a file (`ccrauth.txt`)

store_auth_info (*username, password*)

store authentication information in the file raises `IOError` if the disk is full

class `ccrauth.AuthDB`

A class to manage authentication information in a database (`ccr.db`)

store_auth_info (*username, password*)

store/update authentication information in the database

Custom Exceptions

exception `ccr.PackageNotFound`

Package does not exist

exception `ccr.InvalidPackage`

Invalid package or wrong file type

exception `ccr.CCRWarning`

Base class for all other warnings

Indices and tables

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

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