

KBAC - Key-based Access Control

Introduction

Provides simple access control based on key+principals (all strings).

Examples

By role:

```
import kbac

ac = kbac.KBAC()
ac.add("viewer", ["bob", "joe"])
ac.add("manager", ["lucy", "rick"])

print(ac.is_allowed(["viewer"], ["lucy"]))
print(ac.is_allowed(["manager"], ["lucy"]))
print(ac.is_allowed(["viewer", "manager"],
["rick"]))
```

Notes:

- add individual settings using `KBAC.add()`
- test if lucy is a viewer
- test if lucy is a manager
- test if rick is a viewer or manager

By service:

```
import kbac

acdict = {
    "list": "dudley, al, jeffrey",
    "create": "dudley, jill",
    "delete": "dudley",
}

ac = kbac.KBAC()
ac.load(acdict.items())

principals = ["dudley"]
print "principals (%s)" % (principals,)
for key in acdict:
    print("key (%s) allowed (%s)" % (key, ac.
is_allowed([key], principals)))
```

Notes:

- load `KBAC` object from dictionary
- test which keys/services dudley is allowed

Display settings:

About

Requirements:

Python

License:

BSD-3

Repository:

<https://bitbucket.org/johnmdev/kbac>

Email:

expldotinfo@gmail.com

Activity

- [Navigation Link Macro for Confluence](#) May 11, 2019 • updated by John • view change
- [conflcmd - Manage Confluence Content](#) May 01, 2019 • updated by John • view change
- [KBAC - Key-based Access Control](#) Mar 10, 2019 • updated by John • view change
- [ThreadPool](#) Mar 10, 2019 • updated by John • view change

```
import kbac

acdict = {
    "list": "dudley, al",
    "create": "dudley, brittany",
    "delete": "dudley",
}

ac = kbac.KBAC()
ac.load(acdict.items())

for key in ac.keys():
    print("key (%s) principals (%s)\n" % (key,
sorted(ac.principals(key))))
```

Notes:

- extract settings using `KBAC.keys()` and `KBAC.principals()`

- [Miscellany](#)
Mar 10, 2019 • updated by John • view change
- [Go-Flavored Error Handling in Python](#)
Mar 02, 2019 • updated by John • view change
- [_sidebar](#)
Mar 02, 2019 • updated by John • view change
- [_shortcuts](#)
Mar 02, 2019 • updated by John • view change
- [0001-Support-for-slot-multiplier.patch](#)
Aug 31, 2018 • attached by John
- [Slot Multiplier for Calculating CPU Usage in Gridengine](#)
Aug 31, 2018 • updated by John • view change

Show More 