

## Resetting Jenkins user password by using python 'bcrypt' app.

In some cases we might have to reset the Jenkins user password by making changes to the config.xml file that resides inside `'/var/lib/jenkins/users'` folder. Locate the config.xml file inside above folder location and update the passwordHash as shown below.

```
<passwordHash>#jbcrypt:$2a$10$ByvpIjL.BhjdKKQwt.7BnerxExtHN1EfUFqT3SKJSBUs5gUpnwj1S</passwordHash>
```

The password always starts with '2a' followed with a password hash generated using any encrypting software.

To reset the password follow below steps.

```
$ sudo yum install -y python-setuptools
$ sudo easy_install pip
$ pip install bcrypt
$ python
>>> import bcrypt
>>> bcrypt.hashpw("yourpassword", bcrypt.gensalt(rounds=10, prefix=b"2a"))
'YOUR_HASH'
```

This will output your hash, with prefix 2a, the correct prefix for Jenkins hashes.

Now, edit the config.xml file:

```
...
<passwordHash>#jbcrypt:<replace this key with generated></passwordHash>
...
```

Once you insert the new hash, reset Jenkins:

(if you are on a system with systemd):

```
$ sudo systemctl restart Jenkins
```