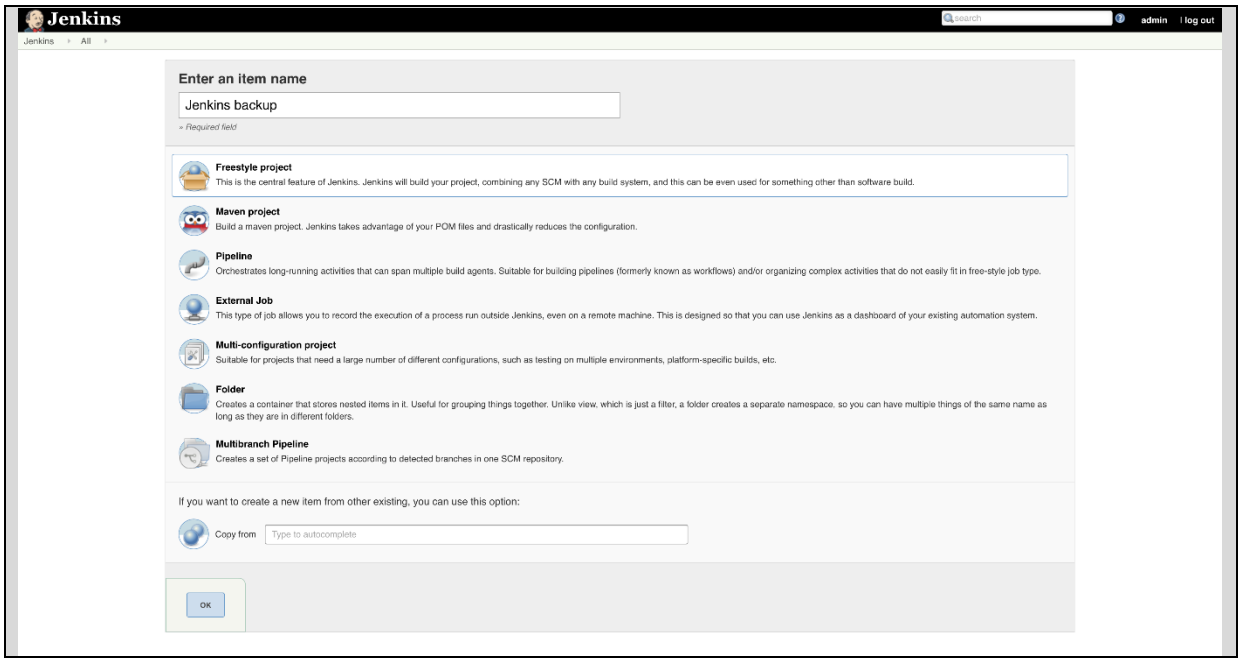
How to Backup and Restore Jenkins Server

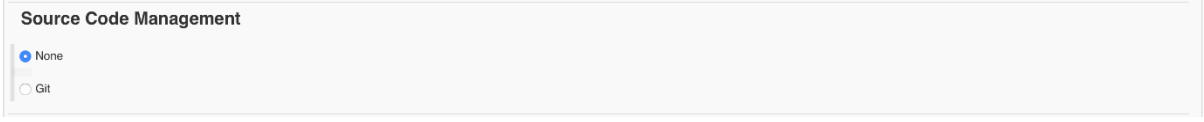
Configure the regular backup job.

Step 1. Create a new Jenkins Job.

You should choose Freestyle project.



Step 2. Mark "None" for Source Control Management.

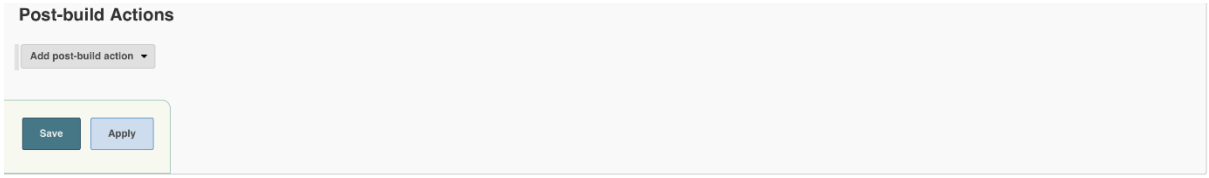


Step 3. Let's add a job which will completely backup Jenkins including all jobs, playbooks, whatever else you have there. It will backup everything located at **/var/lib/jenkins**. Select the "Build Periodically" build trigger and configure to run as frequently as you like

For example, 25 12 * * * will run a backup job every day at 12.25 pm.

Step 4. Add a new "*Execute Shell*" build step and add the content of this file as the command.

Step 5. Save all changes



Step 6. Go to the directory /var/lib/jenkins and initiate a new git repository.

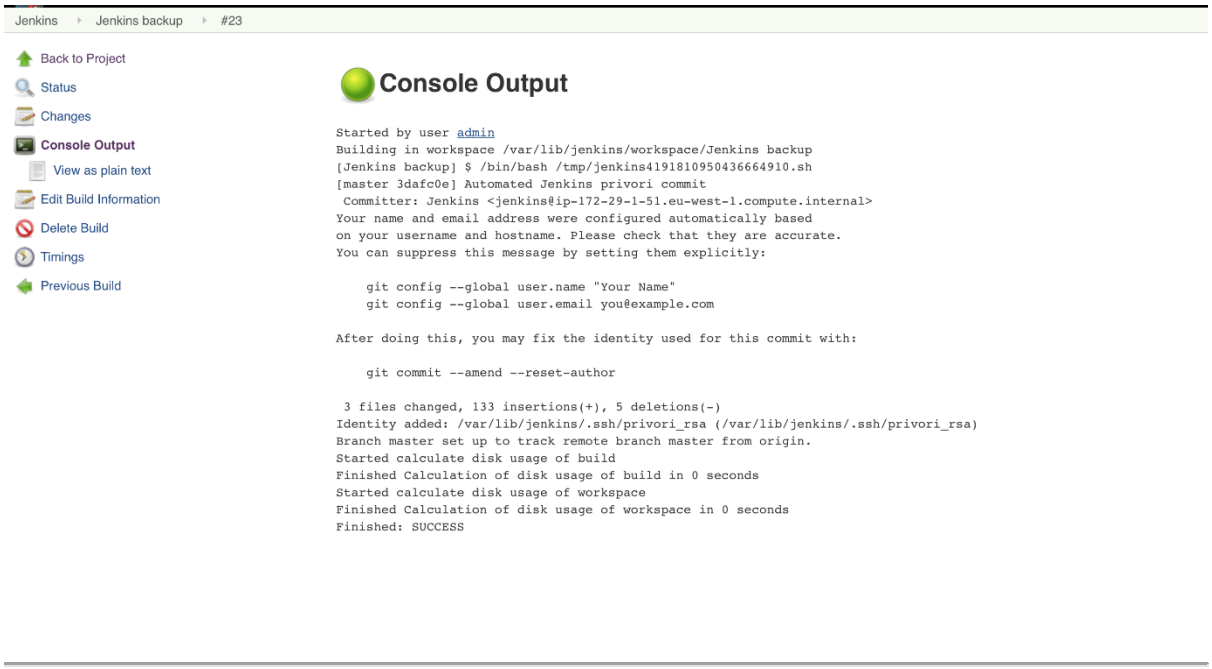
```
sudo su -

cd /var/lib/jenkins && git init
```

Step 7. Connect your local repository to GitHub.

```
git remote add origin git@github.com:prakashk0301/new_repo
```

Step 8. Test your Jenkins backup job

Click “Build now” button. If successful, you should see something like this:



How to restore Jenkins from backup:

Step 1. Delete all from jenkins home directory

```
cd /var/lib/jenkins && rm -rf
```

Step 2. Go to the directory /var/lib/jenkins and initiate a new git repository

(or you can create new Jenkins Instance in case if old Jenkins Instance already crashed)

```
cd /var/lib/jenkins && git init
```

Step 3. Cleans the working tree by recursively removing files that are not under version control

```
git clean -df
```

Step 4. Add a new remote

```
git remote add origin git@github.com:prakashk0301/new_repo
```

Step 5. Pull all data from GitHub

```
git pull origin master
```

Step 6. Restart Jenkins daemon as root user

```
service jenkins restart
```

There is another method to backup jenkins data.

thin backup plugin can be used to backup jenkins