

Jenkins- Change default config Folder

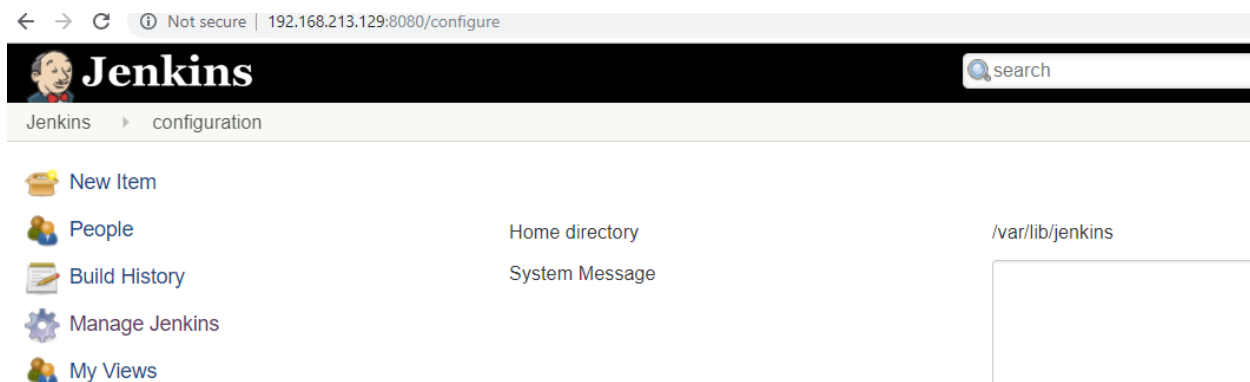
Lab manual – Jenkins – Change Default Config Folder

1. Check the default folder and create the new destination folder for the Jenkins config
2. Copy the files and Change the default folder of the Jenkins Configuration
3. Check the output

Step1:

The default path configuration is in the “/etc/sysconfig/Jenkins” file as below.

```
[root@jenkins-mas ~]# cat /etc/sysconfig/jenkins | more
## Path:      Development/Jenkins
## Description: Jenkins Automation Server
## Type:      string
## Default:   "/var/lib/jenkins"
## ServiceRestart: jenkins
#
# Directory where Jenkins store its configuration and working
# files (checkouts, build reports, artifacts, ...).
#
JENKINS_HOME="/var/lib/jenkins"
## Type:      string
## Default:   ""
## ServiceRestart: jenkins
```



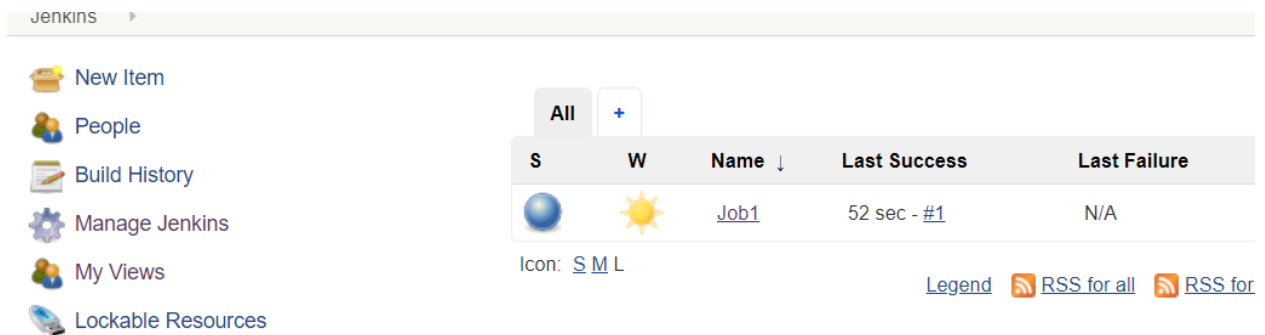
We know the fact that there is an default username called “**Jenkins**” created while installing the Jenkins application.

We will **move** the data in this default Jenkins path to the new path of “**/home/Jenkins**”

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Note:-- make sure we move the data, to retain the user permissions on the folders and subfolders in the **/var/lib/Jenkins** path.

Before we do this action, lets create an job, so that we can verify if the same job is working after changing the path.



Now, lets create the new target folder

```
[root@jenkins-mas ~]# pwd
/root
[root@jenkins-mas ~]# mkdir /home/jenkins
[root@jenkins-mas ~]# cd /home/jenkins
[root@jenkins-mas jenkins]# pwd
/home/jenkins
```

Make sure the new Jenkins folder has the owner as “jenkins:jenkins”

Note: -- jenkins username should be in lower case.

```
[root@jenkins-mas home]# ls -l
total 4
drwxr-xr-x  2 root  root    6 Sep 24 00:24 jenkins
drwx----- 15 user1 user1 4096 Sep 24 00:12 user1
[root@jenkins-mas home]# chown -R jenkins:jenkins jenkins
[root@jenkins-mas home]# ls -l
total 4
drwxr-xr-x  2 jenkins jenkins  6 Sep 24 00:24 jenkins
drwx----- 15 user1  user1  4096 Sep 24 00:12 user1
[root@jenkins-mas home]#
```

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Step2:

Copy the files and Change the default folder of the Jenkins Configuration

Before we do any changes, first stop the Jenkins service

```
$ systemctl stop jenkins
```

Next, lets move the content in the default folder to the new folder for Jenkins

```
$ mv /var/lib/jenkins /home/jenkins
```

```
[root@jenkins-mas home]# systemctl stop jenkins
[root@jenkins-mas home]# mv /var/lib/jenkins /home/jenkins
[root@jenkins-mas home]# cd jenkins
[root@jenkins-mas jenkins]# ls
jenkins
[root@jenkins-mas jenkins]#
```

This would create another Jenkins folder

Just to make sure the “jenkins” user has access to this new path

```
$ sudo chown jenkins -R /home/jenkins
```

```
[root@jenkins-mas ~]# sudo chown jenkins -R /home/jenkins
[root@jenkins-mas ~]# ls -l /home
total 4
drwxr-xr-x  3 jenkins jenkins 21 Sep 24 00:31 jenkins
drwx----- 15 user1  user1  4096 Sep 24 00:12 user1
[root@jenkins-mas ~]# ls -l /home/jenkins
total 4
drwxr-xr-x. 14 jenkins jenkins 4096 Sep 24 00:30 jenkins
[root@jenkins-mas ~]# ls -l /home/jenkins/jenkins/
total 68
-rw-r--r--  1 jenkins jenkins 1644 Sep 24 00:12 config.xml
-rw-r--r--  1 jenkins jenkins  156 Sep 24 00:12 hudson.model.UpdateCenter.xml
-rw-r--r--  1 jenkins jenkins 1230 Sep 24 00:14 hudson.plugins.email_ext.Extende
-rw-r--r--  1 jenkins jenkins  370 Aug 28 07:47 hudson.plugins.git.GitTool.xml
-rw-----  1 jenkins jenkins 1712 Aug 28 07:36 identity.key.enc
-rw-r--r--  1 jenkins jenkins   7 Aug 28 07:53 jenkins.install.InstallUtil.las
```

Now, lets change the Jenkins config file to point to the new location

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```
[root@jenkins-mas jenkins]# vi /etc/sysconfig/jenkins

## Path:      Development/Jenkins
## Description: Jenkins Automation Server
## Type:      string
## Default:    "/var/lib/jenkins"
## ServiceRestart: jenkins
#
# Directory where Jenkins store its configuration and working
# files (checkouts, build reports, artifacts, ...).
#
JENKINS_HOME="/home/jenkins/jenkins"
```

```
[root@jenkins-mas jenkins]# cat /etc/sysconfig/jenkins | more
## Path:      Development/Jenkins
## Description: Jenkins Automation Server
## Type:      string
## Default:    "/var/lib/jenkins"
## ServiceRestart: jenkins
#
# Directory where Jenkins store its configuration and working
# files (checkouts, build reports, artifacts, ...).
#
JENKINS_HOME="/home/jenkins/jenkins"
```

Let's, start the Jenkins service now.


```
$ service jenkins start
```

```
[root@jenkins-mas jenkins]# service jenkins start
Starting jenkins (via systemctl): [ OK ]
```

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Step3: Check the output.









← → ↻ ⓘ Not secure | 192.168.213.129:8080

**Jenkins**



2

search



Jenkins ▾ ▶

-  New Item
-  People
-  Build History
-  Manage Jenkins
-  My Views
-  Lockable Resources
-  Credentials
-  New View

All +


S	W	Name ↓	Last Success	Last Failure
		Job1	18 min - #1	N/A

Icon: [S](#) [M](#) [L](#)

[Legend](#)  [RSS for all](#)  [RSS for fa](#)









Able to successfully login.

← → ↻ ⓘ Not secure | 192.168.213.129:8080/configure

**Jenkins**

search

Jenkins ▶ configuration

-  New Item
-  People
-  Build History
-  Manage Jenkins
-  My Views
-  Lockable Resources
-  Credentials
-  New View

Home directory

System Message

/home/jenkins/jenkins

[Plain text] [Preview](#)

2

of executors

This confirms that the Jenkins home directory path is changed successfully.