Installing

JENKINS

BY ALOK SRIVASTAVA - NETWORK NUTS

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Love Learn Linux

Installing Jenkins Master on
CENTOS 7
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STEP #1 - INSTALL OPENJDK8

As Jenkins is a java based application. Lets install openjdk8 first.

```
[root@jenkins ~]# yum install java-1.8.0-openjdk-devel
Loaded plugins: fastestmirror, langpacks
base                                                     | 3.6 kB     00:00
extras                                                   | 3.4 kB     00:00
updates                                                  | 3.4 kB     00:00
(1/4): base/7/x86_64/group_gz                              | 166 kB   00:00
(2/4): extras/7/x86_64/primary_db                          | 187 kB   00:00
(3/4): updates/7/x86_64/primary_db                         | 3.4 MB   00:02
(4/4): base/7/x86_64/primary_db                            | 6.0 MB   00:02
Determining fastest mirrors
 * base: mirror.nbrc.ac.in
 * extras: mirror.nbrc.ac.in
 * updates: mirror.nbrc.ac.in
```

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STEP #2 - ADD JENKINS REPOSITORY

```
[root@jenkins ~]# wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-stable/jenkins.repo
--2019-03-30 00:15:37--  https://pkg.jenkins.io/redhat-stable/jenkins.repo
Resolving pkg.jenkins.io (pkg.jenkins.io)... 52.202.51.185
Connecting to pkg.jenkins.io (pkg.jenkins.io)|52.202.51.185|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 85
Saving to: '/etc/yum.repos.d/jenkins.repo'

100%[======================================>] 85          --.-K/s   in 0s

2019-03-30 00:15:39 (14.3 MB/s) - '/etc/yum.repos.d/jenkins.repo' saved [85/85]

[root@jenkins ~]#
```

```
[root@jenkins ~]# rpm --import http://pkg.jenkins.io/redhat-stable/jenkins.io.key
[root@jenkins ~]#
[root@jenkins ~]#
```

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STEP #3 - INSTALL JENKINS

```
[root@jenkins ~]# yum install jenkins
Loaded plugins: fastestmirror, langpacks
jenkins                                                  | 2.9 kB  00:00:00
jenkins/primary_db                                       |  28 kB  00:00:00
Loading mirror speeds from cached hostfile
 * base: mirror.nbrc.ac.in
 * extras: mirror.nbrc.ac.in
 * updates: mirror.nbrc.ac.in
Resolving Dependencies
--> Running transaction check
---> Package jenkins.noarch 0:2.164.1-1.1 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package            Arch              Version                 Repository      Size
================================================================================
Installing:
```

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STEP #4 - START SERVICE AND ALLOW PORT IN FIREWALL

```
[root@jenkins ~]# systemctl start jenkins
[root@jenkins ~]#
[root@jenkins ~]# systemctl enable jenkins
jenkins.service is not a native service, redirecting to /sbin/chkconfig.
Executing /sbin/chkconfig jenkins on
[root@jenkins ~]#
[root@jenkins ~]# firewall-cmd --permanent --add-port=8080/tcp
success
[root@jenkins ~]# firewall-cmd --permanent --add-service=http
success
[root@jenkins ~]# firewall-cmd --reload
success
[root@jenkins ~]# firewall-cmd --list-all
public (default, active)
  interfaces: eno16777736
  sources:
  services: dhcpv6-client http ssh
  ports: 8080/tcp
  masquerade: no
  forward-ports:
  icmp-blocks:
  rich rules:
```

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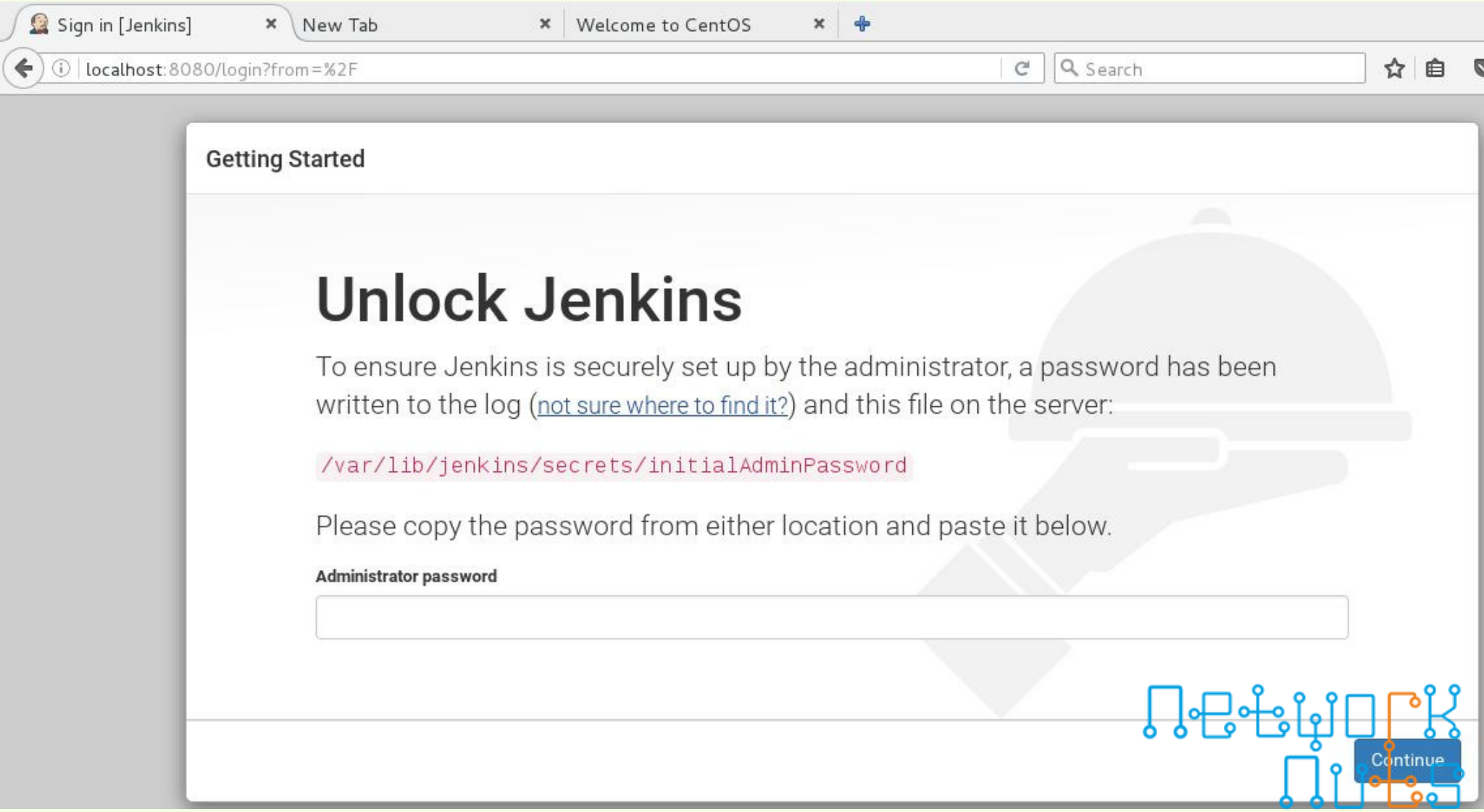
STEP #5 - ACCESS JENKINS PORTAL

Browse to - http://localhost:8080



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STEP #5 - ACCESS JENKINS PORTAL

Admin password is created and also stored in the log file "/var/log/jenkins/jenkins.log".

Copy and paste this password in the portal to get access.

```
[root@jenkins ~]# grep -A 5 password /var/log/jenkins/jenkins.log
Jenkins initial setup is required. An admin user has been created and a password gener
ated.
Please use the following password to proceed to installation:

7555400d82f645a4b682aa7447b969b9

This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword

[root@jenkins ~]#
[root@jenkins ~]#
```

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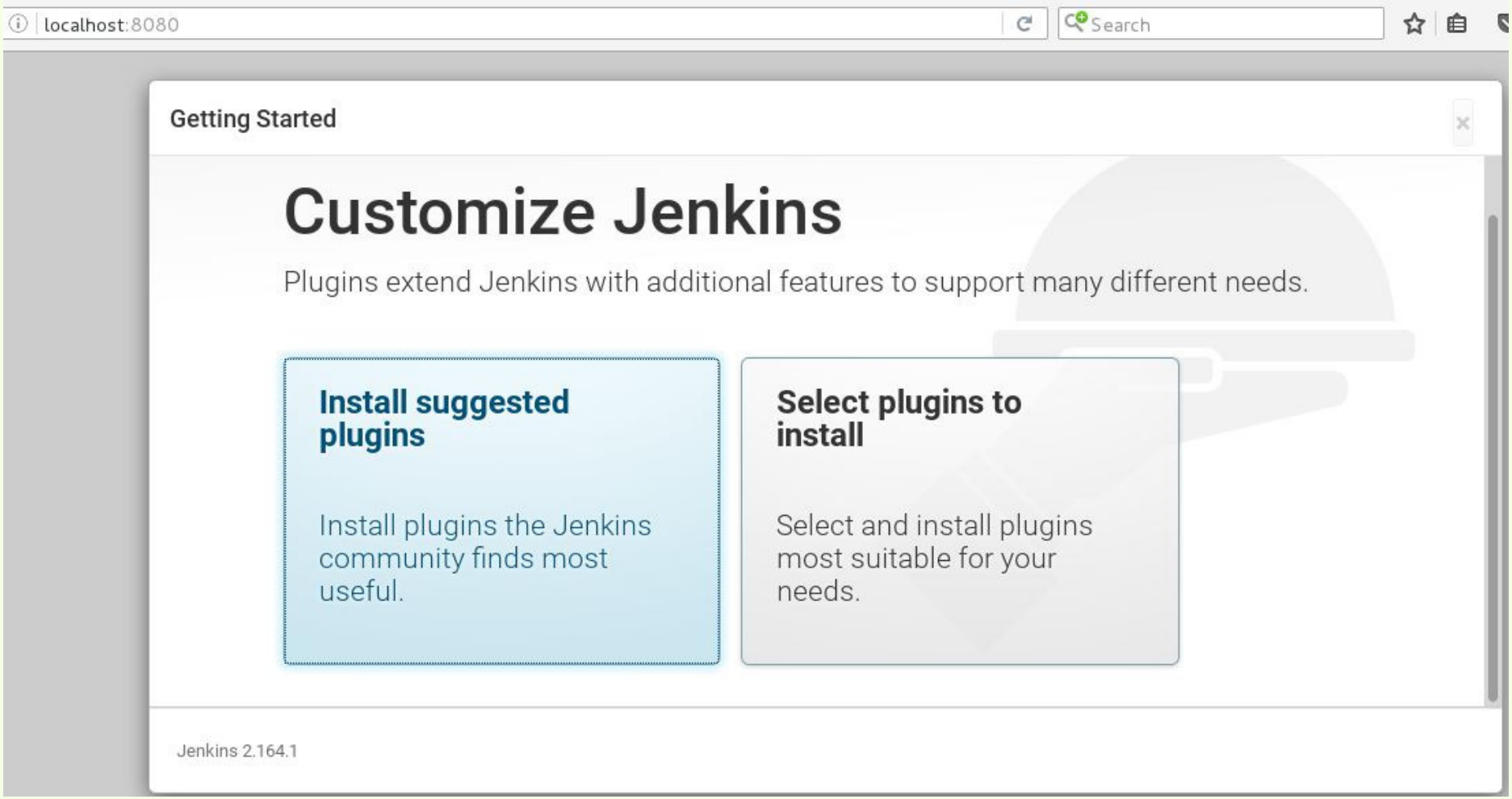
INSTALL SUGGESTED PLUGINS



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CREATE ADMIN USER

After the plugin setup is complete, Jenkins will prompt you to create an administrator user.

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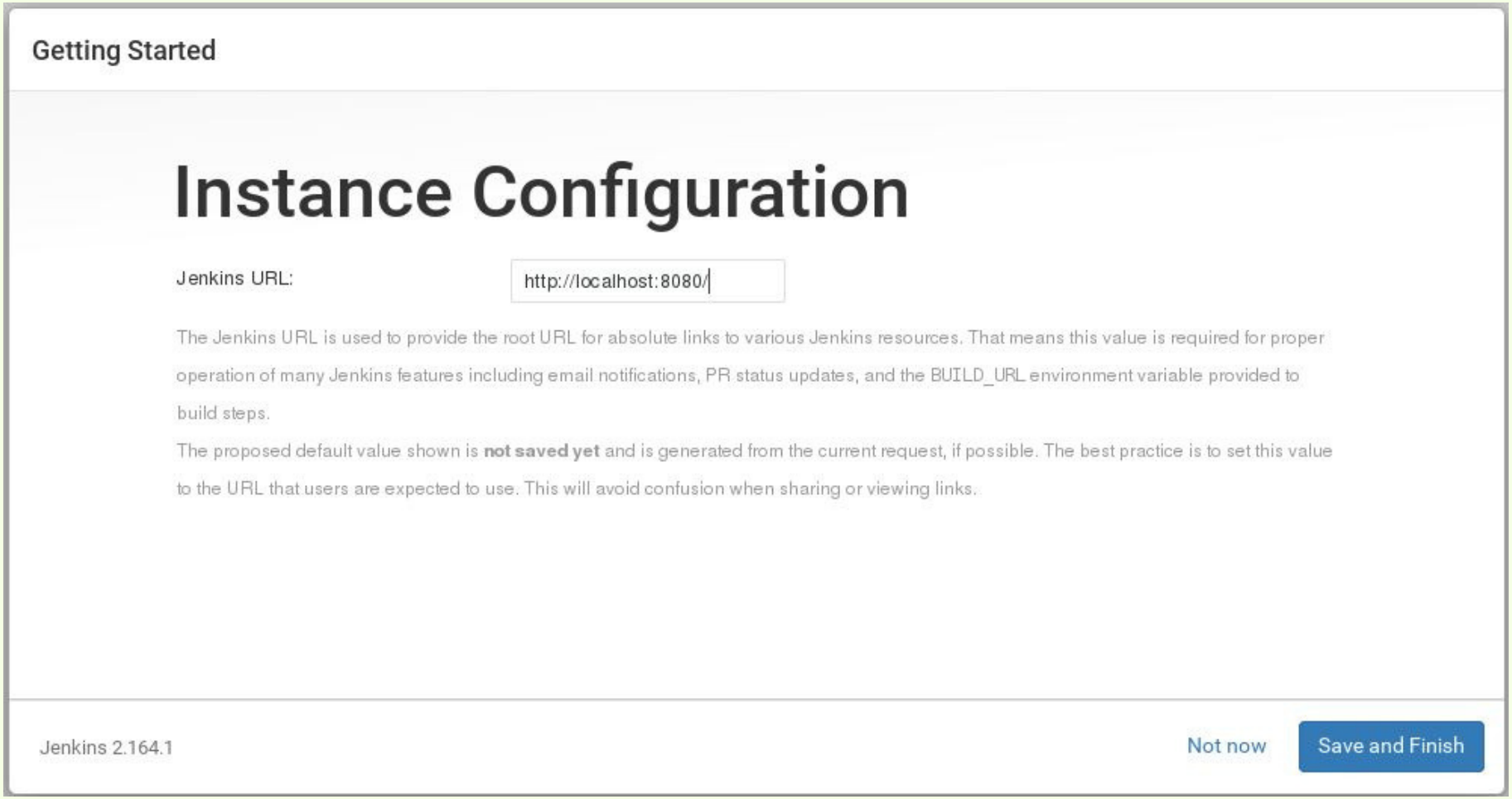
CREATE ADMIN USER



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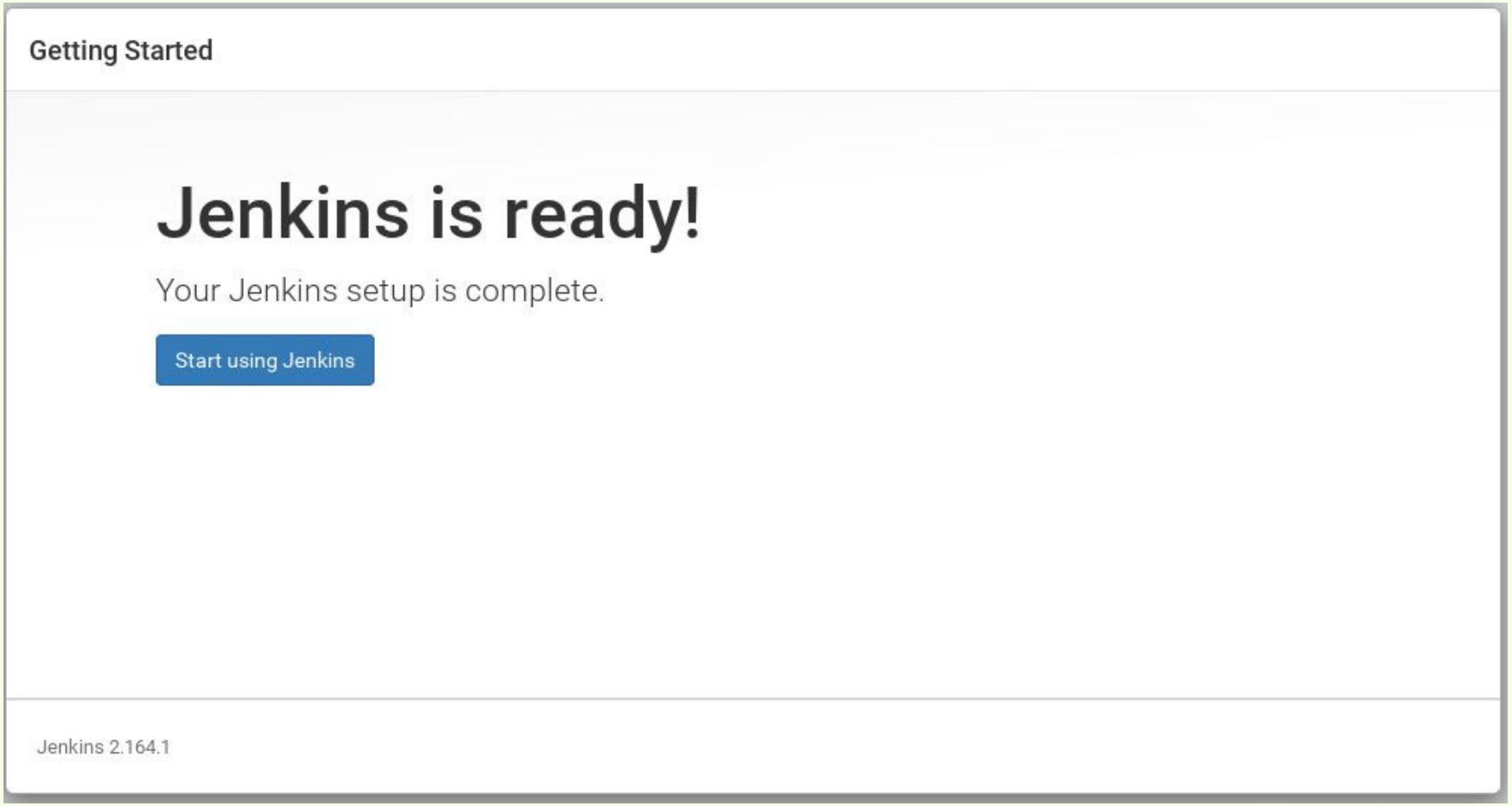
CREATE ADMIN USER

From this point on, Jenkins can only be accessed through valid credentials.



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