

Installing Jenkins in CentOS

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CentOS7 (Running) - Oracle VM VirtualBox
File Machine View Input Devices Help

Nov 3 5:25 PM
riyazkhan@vbox:~ - sudo yum install jenkins

Resolving pkg.jenkins.io (pkg.jenkins.io)... 199.232.22.133, 2a04:4e42:42::645
Connecting to pkg.jenkins.io (pkg.jenkins.io)[199.232.22.133]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 85
Saving to: '/etc/yum.repos.d/jenkins.repo'

/etc/yum.repos.d/jenkins.repo 100%[*****] 85 --KB/s in 0s

2025-11-03 17:25:11 (342 KB/s) - '/etc/yum.repos.d/jenkins.repo' saved [85/85]

Jenkins-stable
Dependencies resolved.
Nothing to do.
Complete!
Last metadata expiration check: 0:00:01 ago on Mon 03 Nov 2025 05:25:13 PM IST.
Package fontconfig-2.15.0-7.el10.x86_64 is already installed.
Package java-21-openjdk-1:21.0.8.0.9-1.el10.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
Last metadata expiration check: 0:00:01 ago on Mon 03 Nov 2025 05:25:13 PM IST.
Dependencies resolved.

=====
Package Architecture Version Repository Size
=====
Installing:
jenkins noarch 2.528.1-1.1 jenkins 91 M
=====

Transaction Summary
=====
Install 1 Package

Total download size: 91 M
Installed size: 91 M
Is this ok [y/N]: y
Downloading Packages:
jenkins-2.528.1-1.1.noarch.rpm 19% [*****] 3.4 MB/s | 18 MB 00:21 ETA
```

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CentOS7 (Running) - Oracle VM VirtualBox
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Nov 3 5:26 PM
riyazkhan@vbox:~ - sudo systemctl start jenkins

Last metadata expiration check: 0:00:01 ago on Mon 03 Nov 2025 05:25:13 PM IST.
Dependencies resolved.

=====
Package Architecture Version Repository Size
=====
Installing:
jenkins noarch 2.528.1-1.1 jenkins 91 M
=====

Transaction Summary
=====
Install 1 Package

Total download size: 91 M
Installed size: 91 M
Is this ok [y/N]: y
Downloading Packages:
jenkins-2.528.1-1.1.noarch.rpm 13 MB/s | 91 MB 00:07
-----
Total 13 MB/s | 91 MB 00:07

Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
Preparing : jenkins-2.528.1-1.1.noarch 1/1
Running scriptlet: jenkins-2.528.1-1.1.noarch 1/1
Installing : jenkins-2.528.1-1.1.noarch 1/1
Running scriptlet: jenkins-2.528.1-1.1.noarch 1/1

Installed:
jenkins-2.528.1-1.1.noarch

Complete!
riyazkhan@vbox:~$ sudo systemctl enable jenkins
Created symlink /etc/systemd/system/multi-user.target.wants/jenkins.service' -> '/usr/lib/systemd/system/jenkins.service'.
riyazkhan@vbox:~$ sudo systemctl start jenkins
```

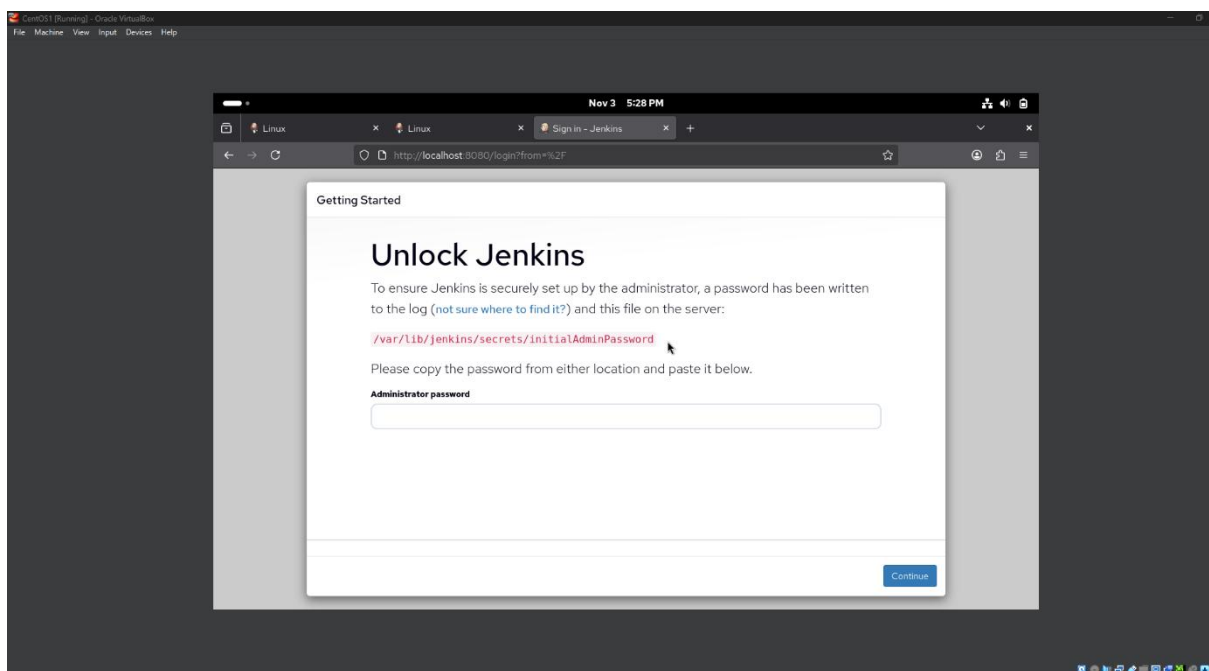
```
CentOS7 [Running] - Oracle VM VirtualBox
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Nov 3 5:27 PM
riyazkhan@vbox:~$ sudo systemctl status jenkins

Transaction test succeeded.
Running transaction
  Preparing      : jenkins-2.528.1-1.1.noarch                                1/1
  Installing     : jenkins-2.528.1-1.1.noarch                                1/1
  Running scriptlet: jenkins-2.528.1-1.1.noarch                                1/1
Installed:
jenkins-2.528.1-1.1.noarch

Complete!
riyazkhan@vbox:~$ sudo systemctl enable jenkins
Created symlink /etc/systemd/system/multi-user.target.wants/jenkins.service' -> /usr/lib/systemd/system/jenkins.service'.
riyazkhan@vbox:~$ sudo systemctl start jenkins
riyazkhan@vbox:~$ sudo systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/usr/lib/systemd/system/jenkins.service; enabled; preset: disabled)
   Active: active (running) since Mon 2025-11-03 17:27:04 IST; 14s ago
     Invocation: 182d6e65eb4757867270e8581ac48f
       Main PID: 11114 (java)
         Tasks: 56 (limit: 51531)
        Memory: 668.5M (peak: 673.6M)
           CPU: 17.067s
      CGroup: /system.slice/jenkins.service
              └─11114 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080

Nov 03 17:26:59 vbox jenkins[11114]: [LF] This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
Nov 03 17:26:59 vbox jenkins[11114]: [LF]
Nov 03 17:26:59 vbox jenkins[11114]: [LF]
Nov 03 17:26:59 vbox jenkins[11114]: [LF]
Nov 03 17:26:59 vbox jenkins[11114]: [LF]
Nov 03 17:27:04 vbox jenkins[11114]: 2025-11-03 11:57:04.062+0000 [id=46] INFO jenkins.InitReactorRunner$1onAttained: Completed initialization
Nov 03 17:27:04 vbox jenkins[11114]: 2025-11-03 11:57:04.062+0000 [id=38] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and running
Nov 03 17:27:04 vbox system[1]: Started jenkins.service - Jenkins Continuous Integration Server.
Nov 03 17:27:06 vbox jenkins[11114]: 2025-11-03 11:57:06.226+0000 [id=77] INFO h.m.DownloadService$Downloadable#load: Obtained the updated data
Nov 03 17:27:06 vbox jenkins[11114]: 2025-11-03 11:57:06.228+0000 [id=77] INFO hudson.util.Retrier#start: Performed the action check updates s
Times: 1-21/21 (END)
```



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CentOS7 [Running] - Oracle VirtualBox
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Nov 3 5:30 PM
riyazkhan@vbox:~$

CPU: 17.067s
CGroup: /system.slice/jenkins.service
└─11114 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080

Nov 03 17:26:59 vbox jenkins[11114]: [LF]> This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
Nov 03 17:26:59 vbox jenkins[11114]: [LF]>
Nov 03 17:26:59 vbox jenkins[11114]: [LF]> *****
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Nov 03 17:27:04 vbox jenkins[11114]: 2025-11-03 11:57:04.021+0000 [id=46] INFO jenkins.InitReactorRunner$1#onAttained: Completed initialization
Nov 03 17:27:04 vbox jenkins[11114]: 2025-11-03 11:57:04.062+0000 [id=38] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and runn
Nov 03 17:27:04 vbox systemd[1]: Started jenkins.service - Jenkins Continuous Integration Server.
Nov 03 17:27:06 vbox jenkins[11114]: 2025-11-03 11:57:06.226+0000 [id=77] INFO h.m.DownloadService$Downloadable#load: Obtained the updated dat
Nov 03 17:27:06 vbox jenkins[11114]: 2025-11-03 11:57:06.228+0000 [id=77] INFO hudson.util.Retrier#start: Performed the action check updates s

riyazkhan@vbox:~$ ifconfig
enp0s3: flags=4163<UP, BROADCAST, RUNNING, MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
        inet6 fe80::a0:27ff:fe7f:731d prefixlen 64 scopeid 0x20<link>
        inet6 fd17:625c:f037:2:a00:27ff:fe7f:731d prefixlen 64 scopeid 0x0<global>
    ether 08:00:27:7f:73:1d txqueuelen 1000 (Ethernet)
    RX packets 173183 bytes 226696032 (216.1 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 31735 bytes 5779805 (5.5 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

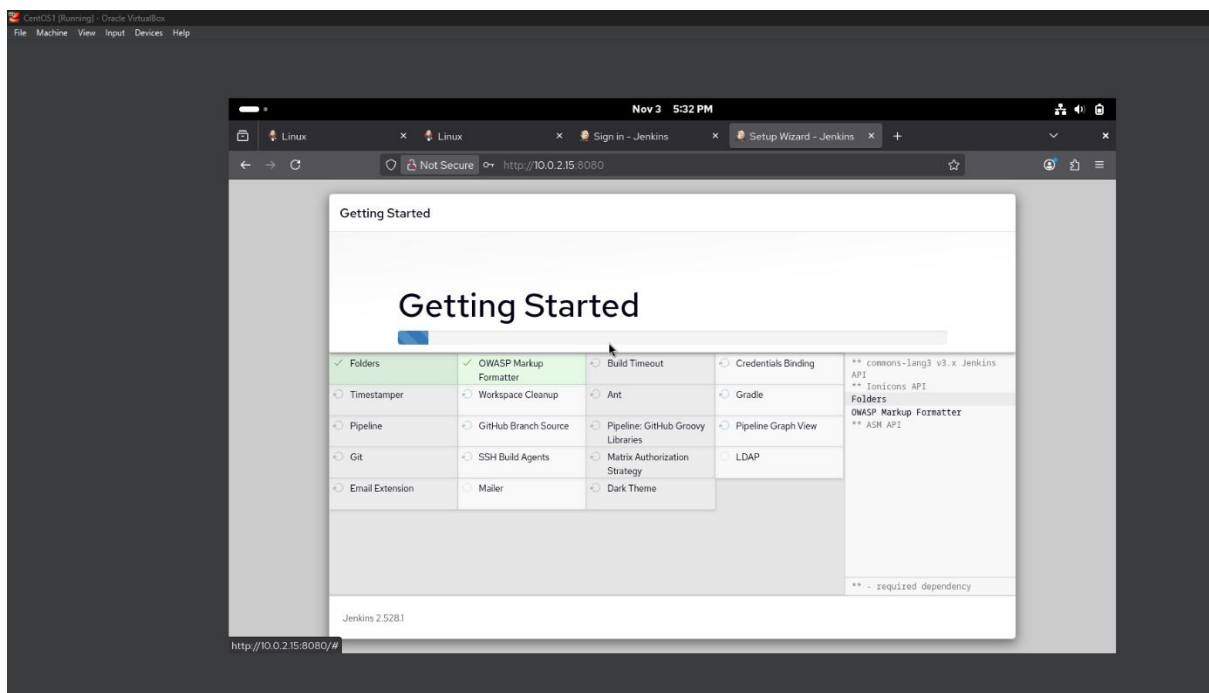
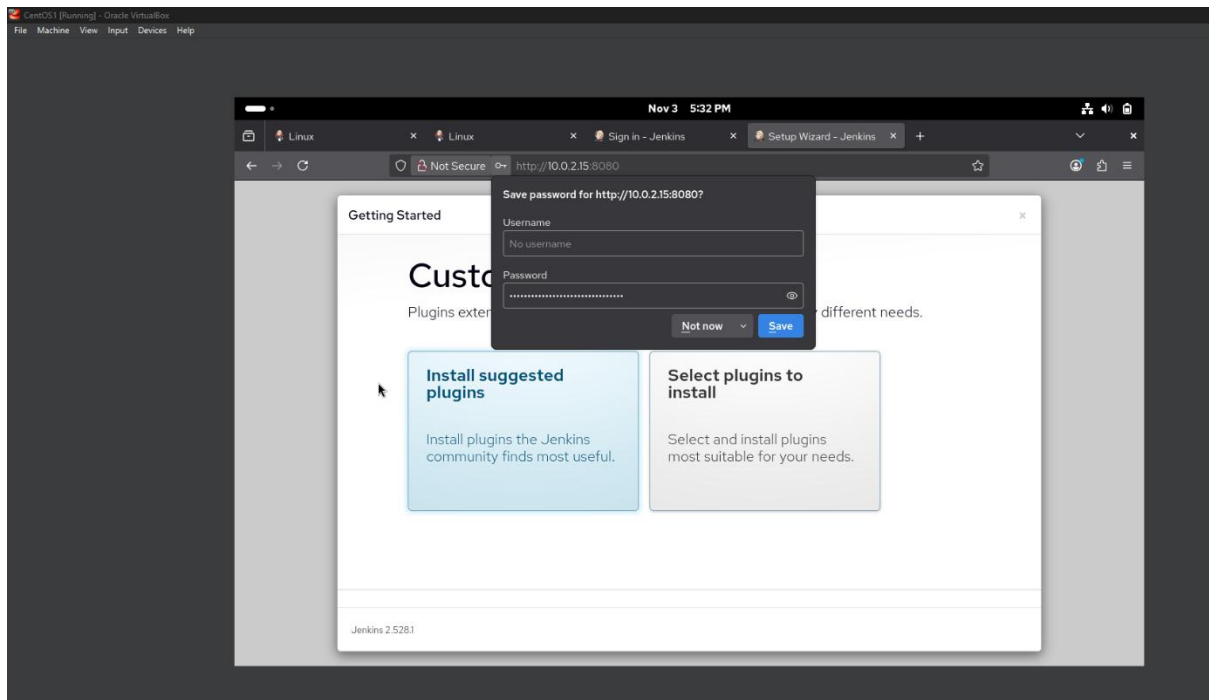
lo: flags=73<UP, LOOPBACK, RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
        inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 218 bytes 426433 (416.4 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 218 bytes 426433 (416.4 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

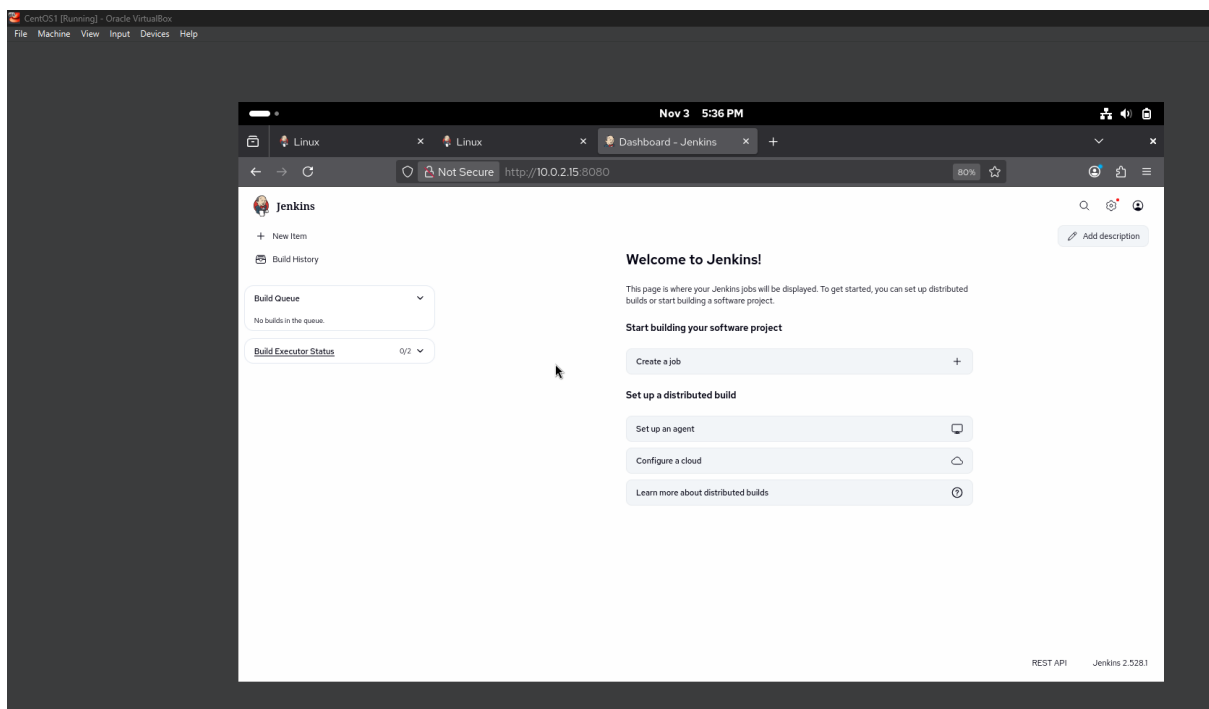
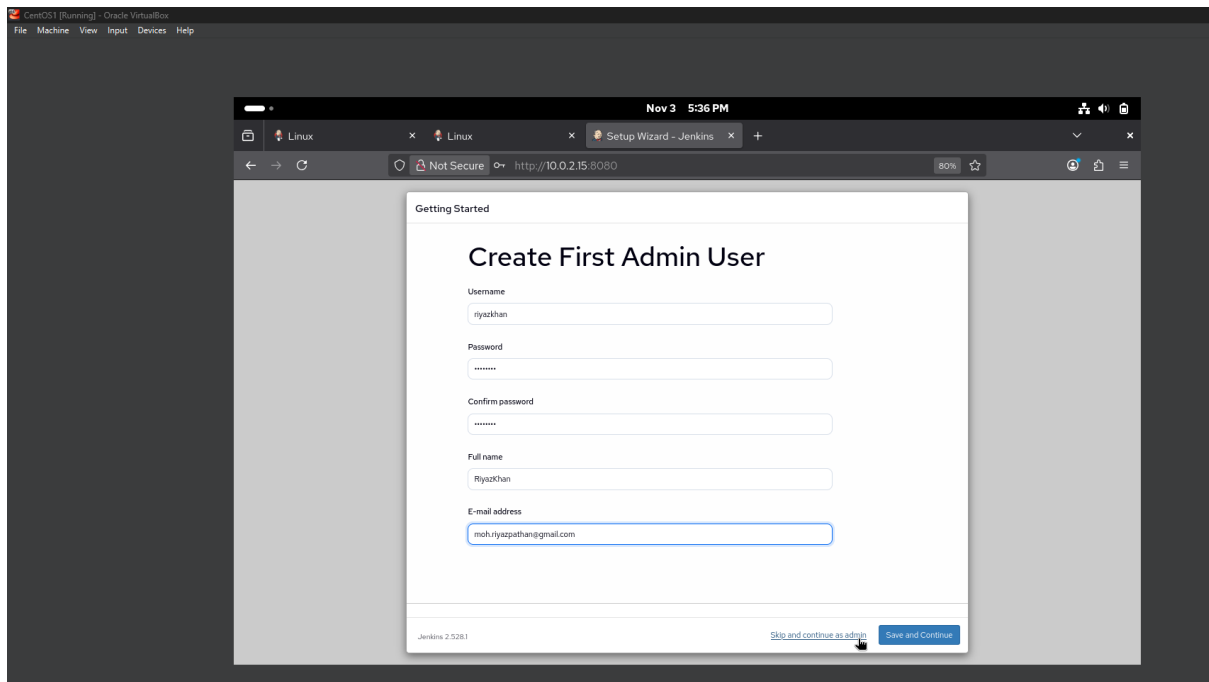
riyazkhan@vbox:~$ ^C
riyazkhan@vbox:~$
```

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CentOS7 [Running] - Oracle VirtualBox
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Nov 3 5:31 PM
riyazkhan@vbox:~$

riyazkhan@vbox:~$ cat /var/lib/jenkins/secrets/initialAdminPassword
cat: /var/lib/jenkins/secrets/initialAdminPassword: Permission denied
riyazkhan@vbox:~$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
58c78291471d481c90a5c78c582aaaf6
riyazkhan@vbox:~$
```





Virtual Machine to Host Machine

