# Министерство цифрового развития, связи и массовых коммуникаций Российской Федерации

Ордена Трудового Красного Знамени

федеральное государственное бюджетное образовательное учреждение высшего образования

# МОСКОВСКИЙ ТЕХНИЧЕСКИЙ УНИВЕРСИТЕТ СВЯЗИ И ИНФОРМАТИКИ

Кафедра «Математической кибернетики и информационных технологий»

Основы DevOps

Лабораторная работа №1

Выполнил: Ибрахим Баро Йиди студент группы БВТ2101

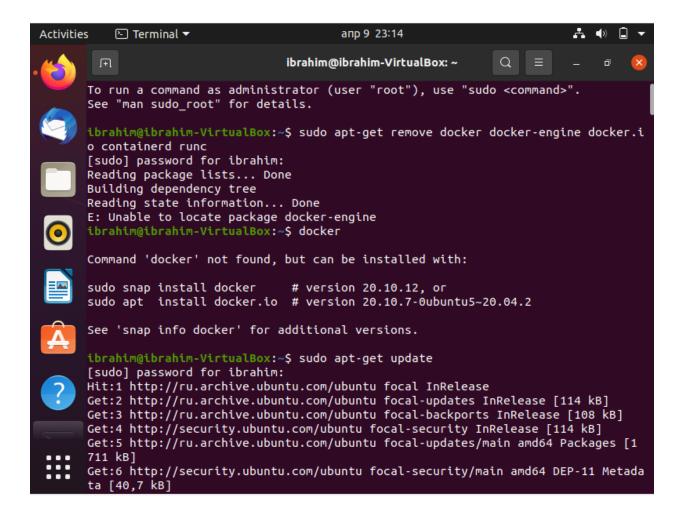
Иванов И.И.

# Выполнение Установка Docker

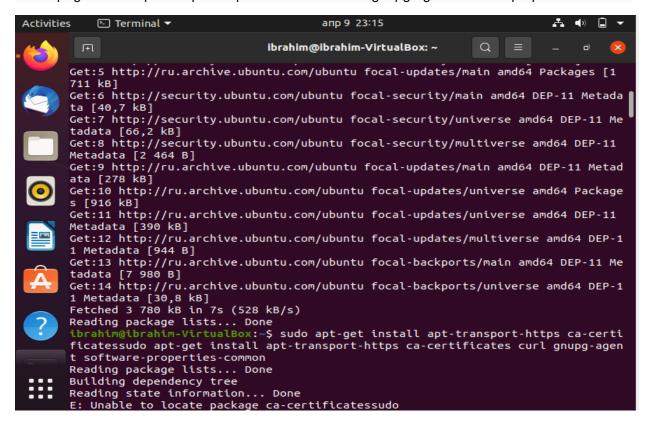
# Install using the repository

Команды для настройки репозитория Docker:

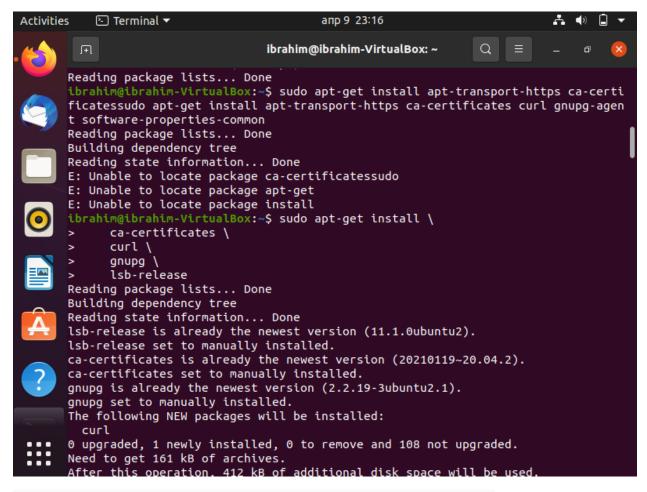
sudo apt-get update



sudo apt-get install apt-transport-https ca-certificates curl gnupg-agent software-properties-common

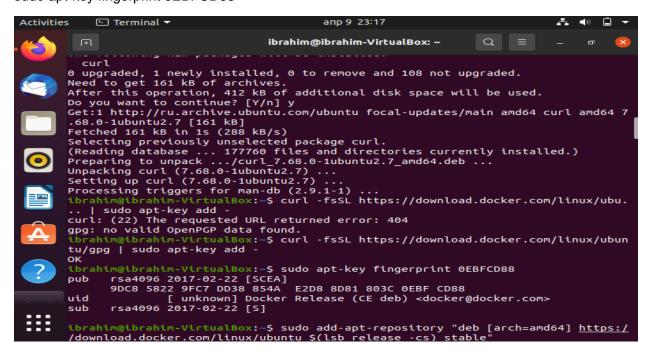


```
sudo apt-get install \
    ca-certificates \
    curl \
    gnupg \
    lsb-release
```



curl -fsSL https://download.docker.com/linux/ubuntu.gpg. | sudo apt-key add -

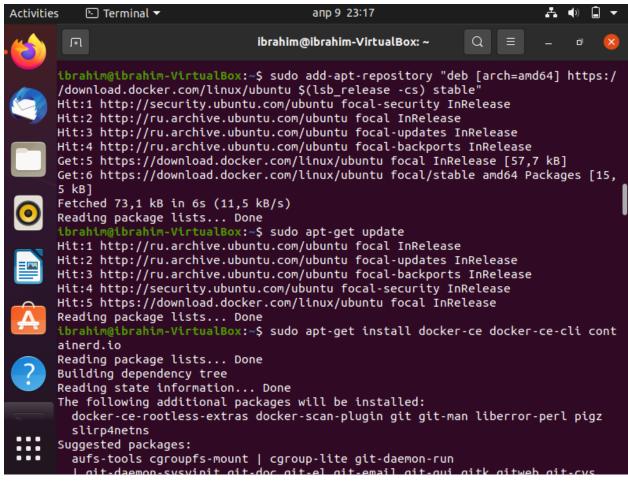
#### sudo apt-key fingerprint 0EBFCD88

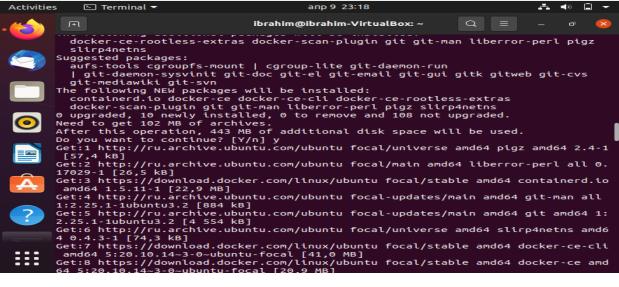


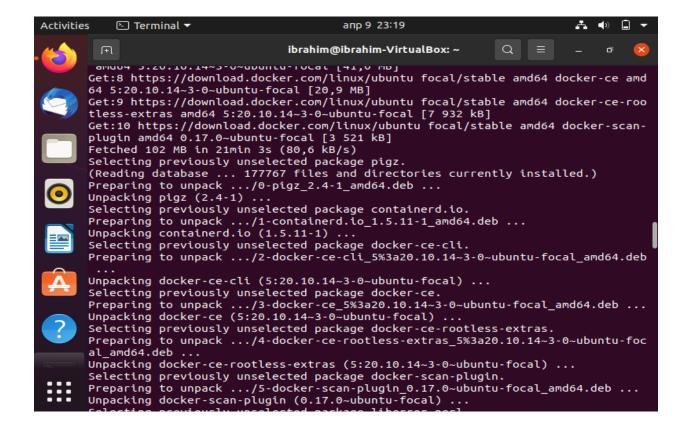
sudo add-apt-repository "deb [arch=amd64] <a href="https://download.docker.com/linux/ubuntu">https://download.docker.com/linux/ubuntu</a> \$(lsb\_release -cs) stable"

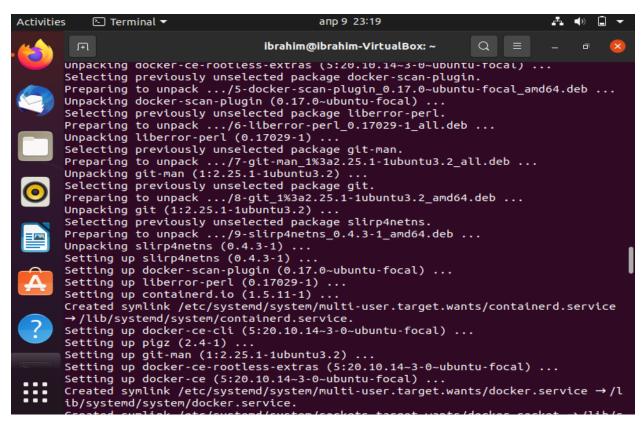
sudo apt-get update

sudo apt-get install docker-ce docker-ce-cli containerd.io

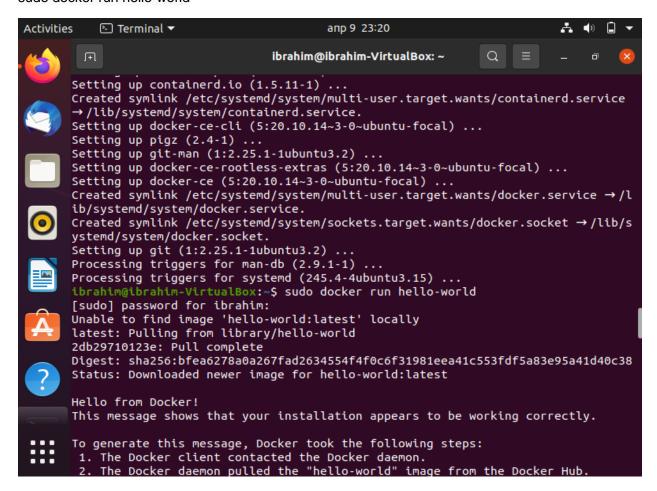




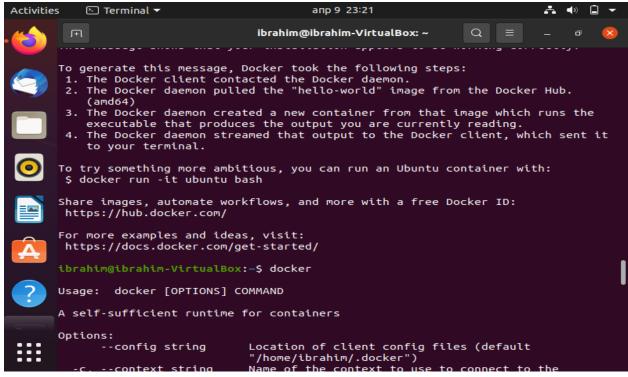


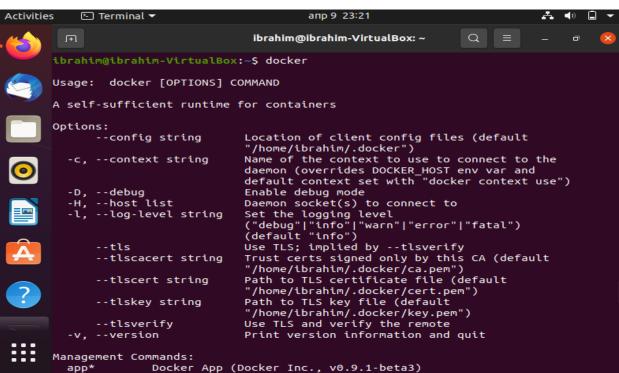


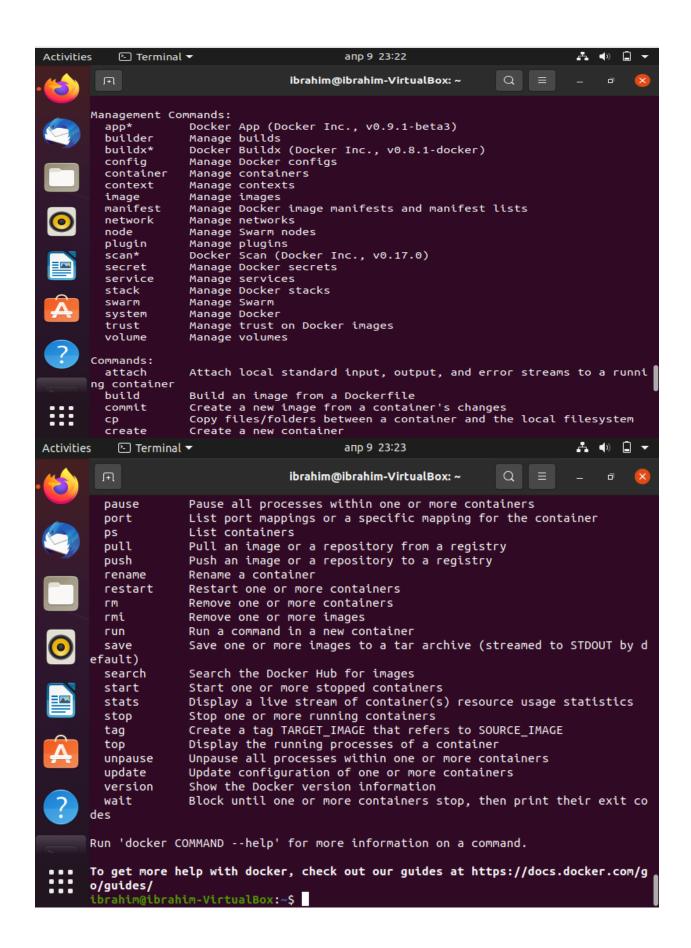
#### sudo docker run hello-world



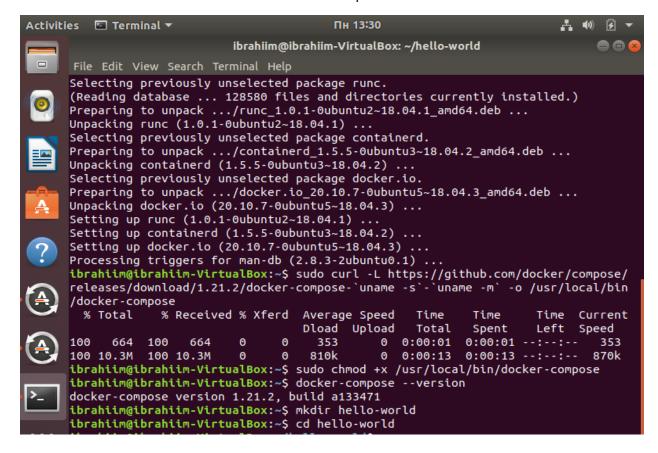
#### Docker



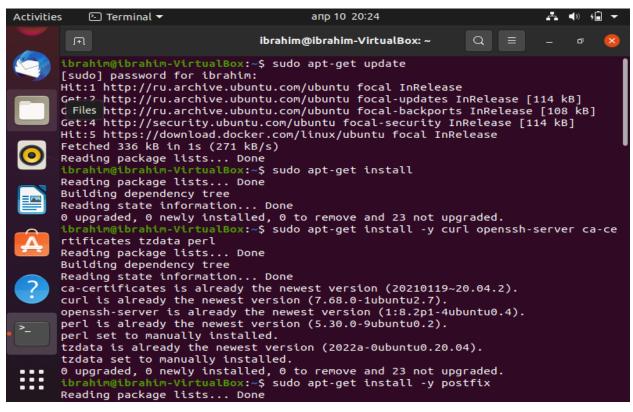


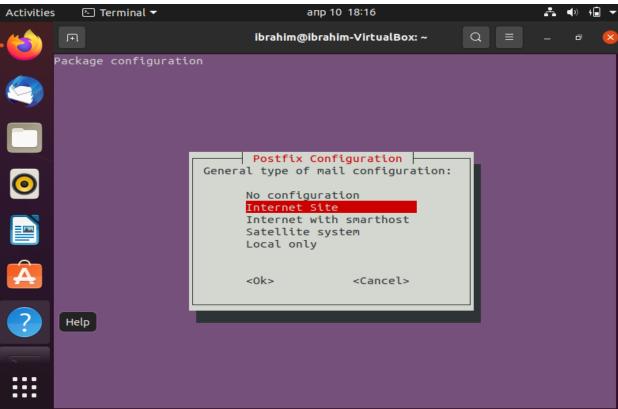


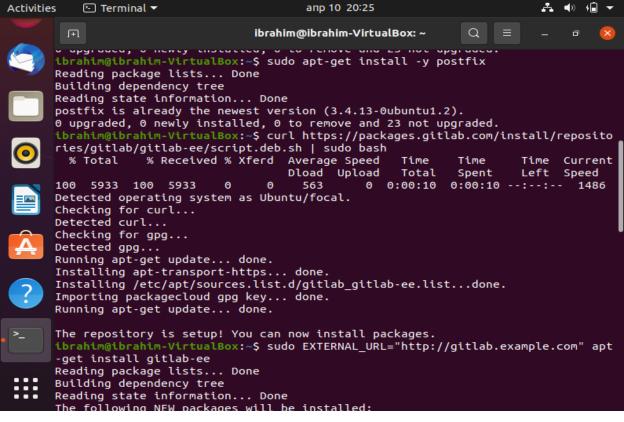
#### **Docker Compose**

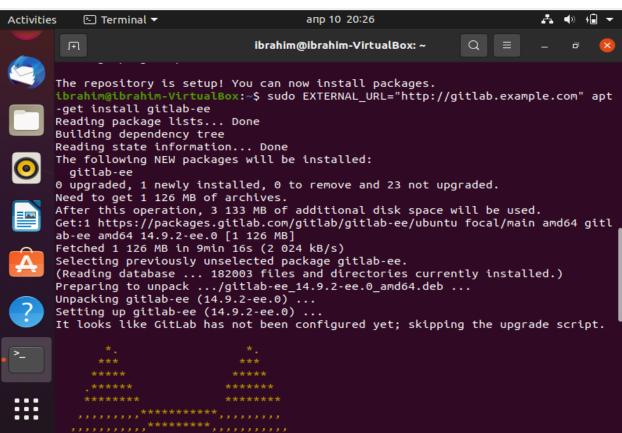


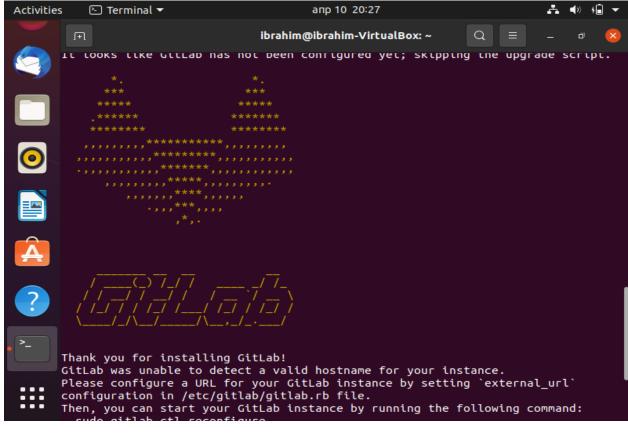
### Установка Gitlab

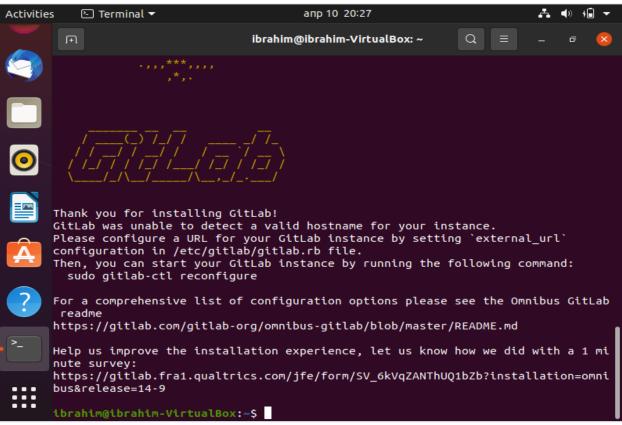




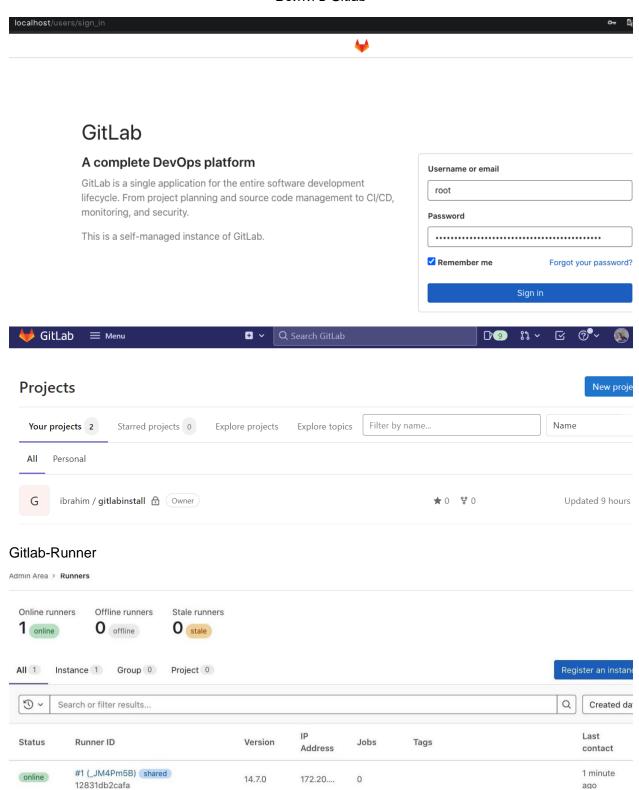






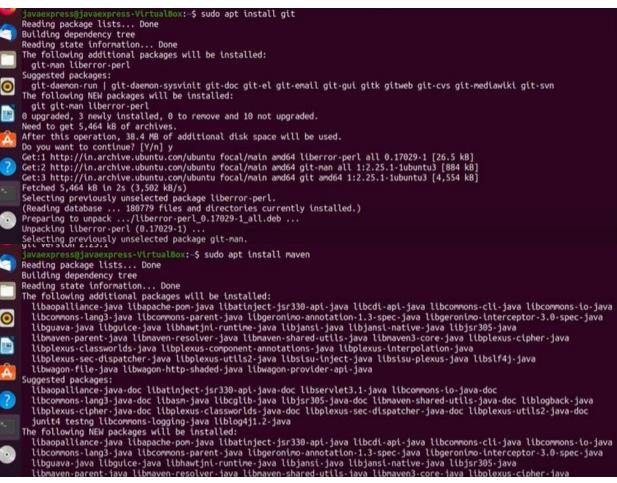


## Войти в Gitlab



## Установка Jenkins





```
avaexpress@javaexpress-VirtualBox:-$ wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key add -
  OK
  javaexpress@javaexpress-VirtualBox:~$ sudo sh -c 'echo deb https://pkg.jenkins.io/debian-stable binary/ > /etc/apt/sources.li
  st.d/jenkins.list
                              avaexpress-VirtualBox: $ sudo apt update
  Hit:1 http://in.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease
  Hit:2 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease
Ign:3 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:4 https://pkg.jenkins.io/debian-stable binary/ Release
Hit:5 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease
Get:6 http://security.ubuntu.com/ubuntu focal-security InRelease [107 kB]
Fetched 107 kB in 1s (78.9 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
All parkages are up to date.
  All packages are up to date.
                                     xpress-VirtualBox:-$ sudo apt-get install jenkins
  Reading package lists... Done
Building dependency tree
  Reading state information... Done
The following package was automatically installed and is no longer required:
       libllvm9
   Use 'sudo apt autoremove' to remove it.
Unpacking daemon (0.6.4-1build2) ...
Selecting previously unselected package net-tools.
Preparing to unpack .../net-tools_1.60+git20180626.aebd88e-1ubuntu1_amd64.deb ...
Unpacking net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...
   Unpacking previously unselected package jenkins.

Preparing to unpack .../jenkins_2.235.1_all.deb ...

Unpacking jenkins (2.235.1) ...

Setting up net-tools (1.60+git20180626.aebd88e-lubuntu1) ...

Setting up daemon (0.6.4-lbuild2) ...
   Setting up jenkins (2.235.1) ...

Processing triggers for man-db (2.9.1-1) ...

Processing triggers for systemd (245.4-4ubuntu3.1) ...

javaexpress@javaexpress-VirtualBox:-$ sudo systemetl status jenkins
    • jenkins.service - LSB: Start Jenkins at boot time
Loaded: loaded (/etc/init.d/jenkins; generated)
Active: active (exited) since Sun 2020-07-12 22:38:43 IST; 58s ago
                 Docs: man:systemd-sysv-generator(8)
               Tasks: 0 (limit: 2290)
              Memory: 0B
              CGroup: /system.slice/jenkins.service
    Jul 12 22:38:41 javaexpress-VirtualBox systemd[1]: Starting LSB: Start Jenkins at boot time...
Jul 12 22:38:42 javaexpress-VirtualBox jenkins[17131]: Correct java version found
```

