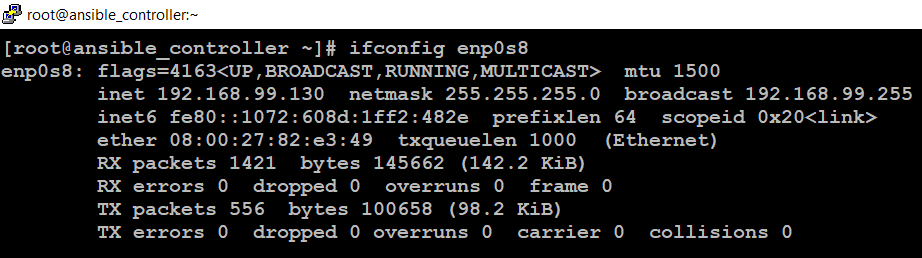
**Task 26**

**📌 GUI container on the Docker  
🔅 Launch a container on docker in GUI mode   
🔅 Run any GUI software on the container.**

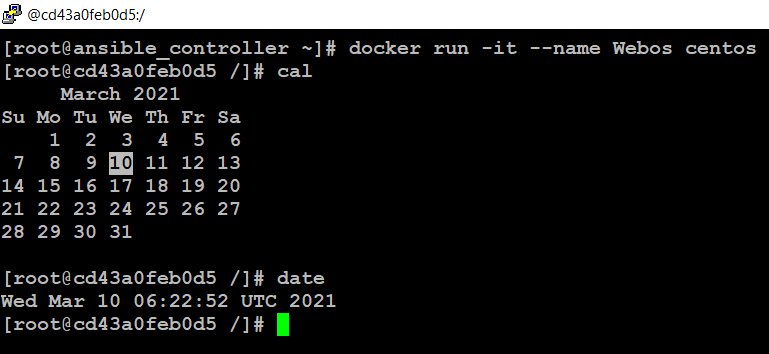
**Using RHEL-8 VM**

**Step1:**

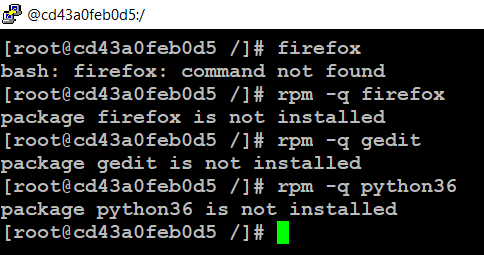
Check the ip of vm using ifconfig.



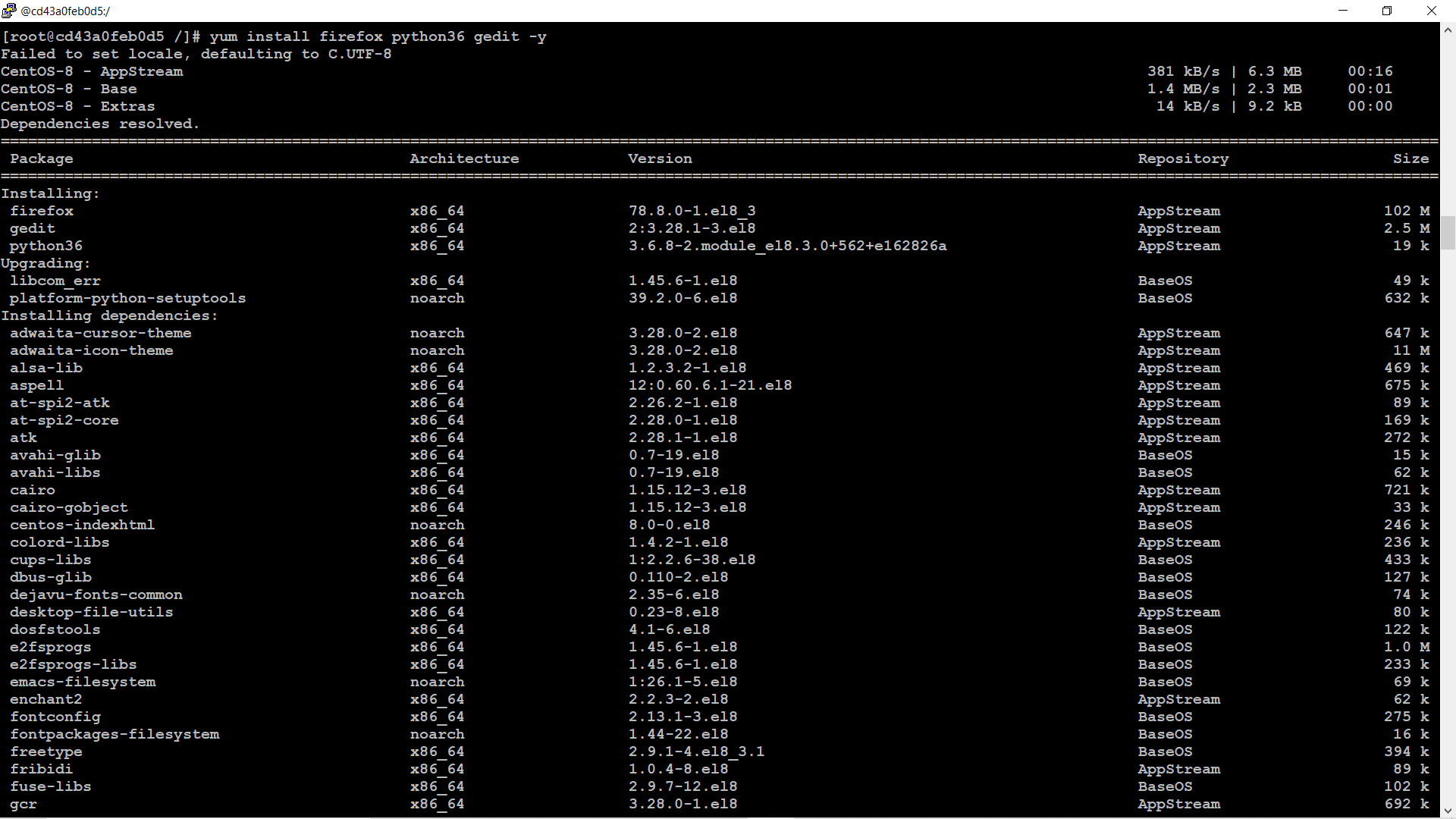
**Step2:** Launching the docker container using centos.

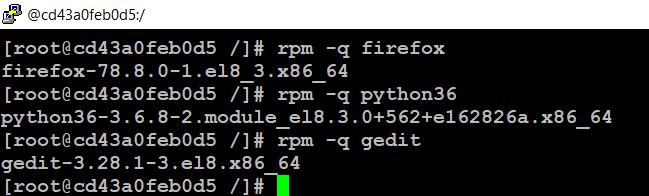


* Check firefox or any GUI software is installed or not.



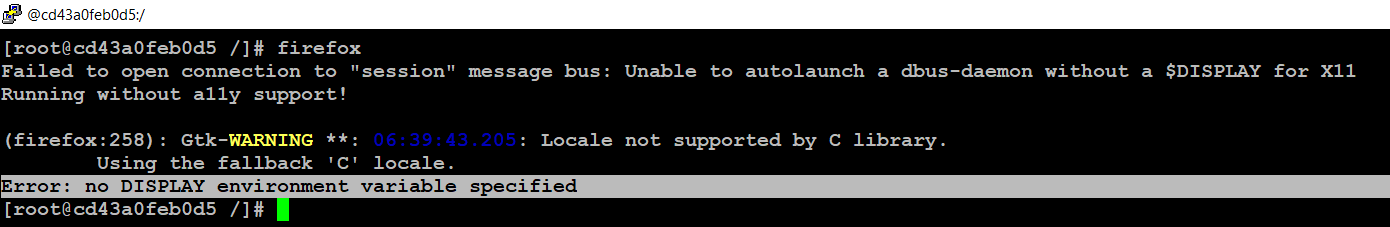
* Install firefox and any other GUI software using yum.





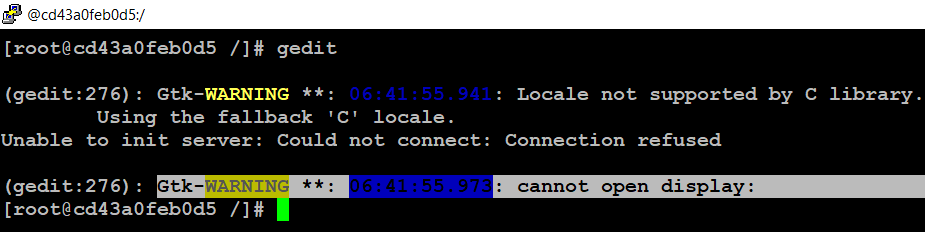
Successfully installed the packages.

**Step3:** Lets open firefox



* No display variable specified.

**Step4:** Lets open gedit.



* Can’t open display.
* Warning can be solved by installing **yum install gcc-c++**
* If you face any dbus issue use :

**dbus-uuidgen > /var/lib/dbus/machine-id**

To solve this issue, we need a tool which display graphical linux program.

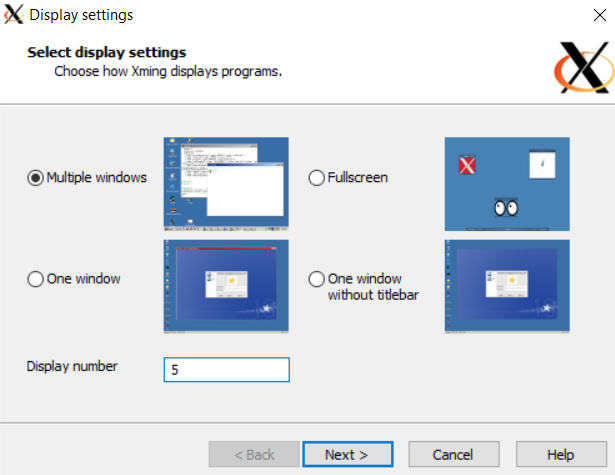
**What is Xming?**

Xming is an open-source X-Windows terminal emulator (X Server) that runs on Microsoft Windows computers. Xming allows the Windows machines to display a graphical linux program which is basically running on a remote Linux server. Above the basic installation steps, this article demonstrates how to secure an X-Window session using Xming with PuTTY SSH Client.

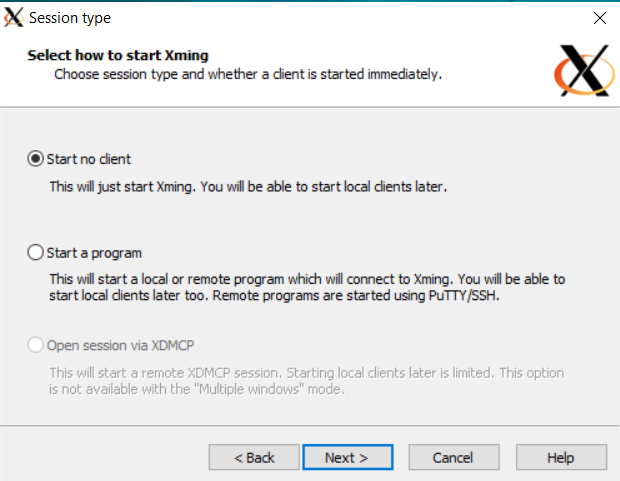
**Download Xming software at:**

<https://sourceforge.net/projects/xming/>

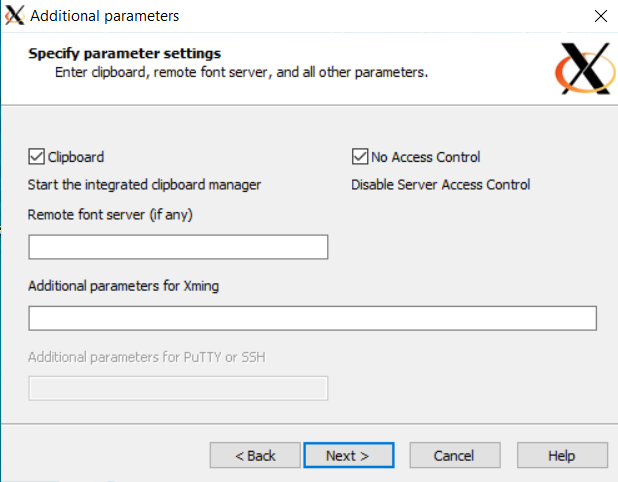
**step5:** Download and install Xming

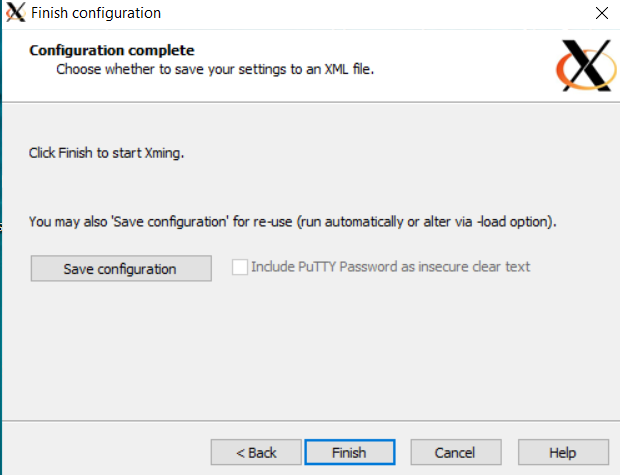


* Here you can give any display number.

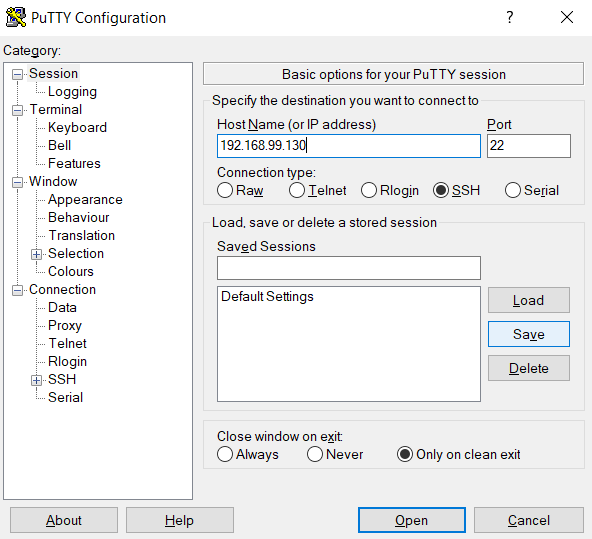


* Enable No Access Control

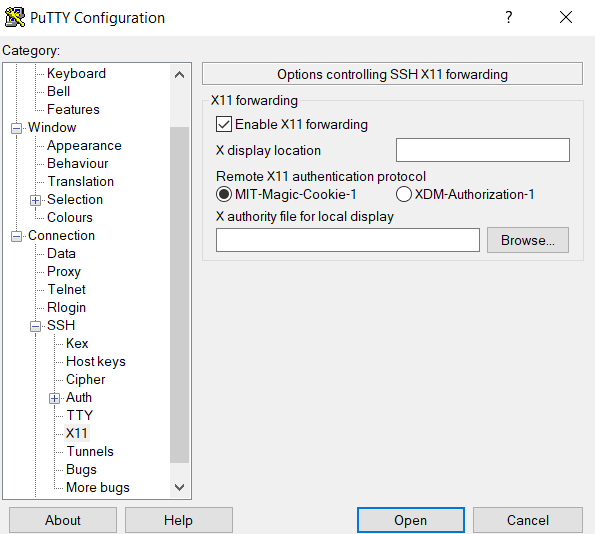




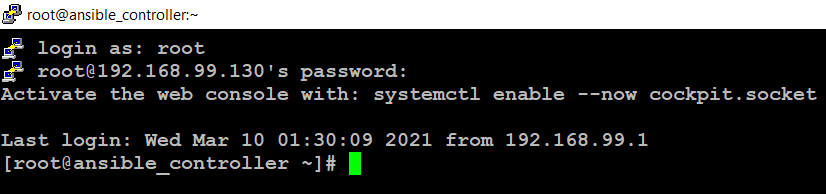
**Step6:** Connect to VM using Putty.



* Enable X11 forwarding

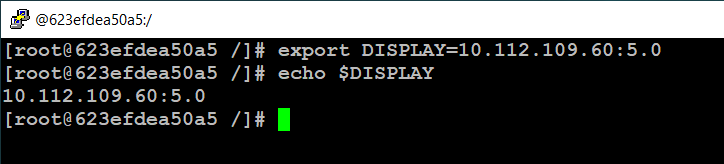


* Login to VM

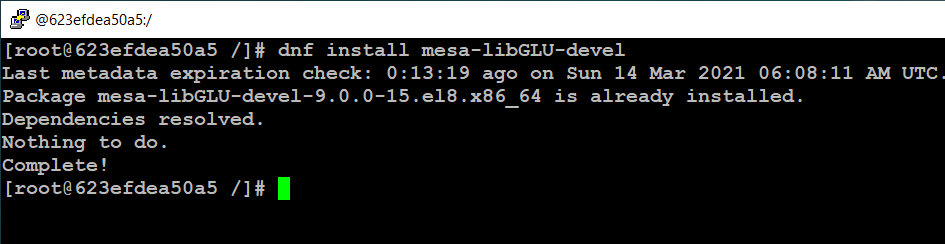


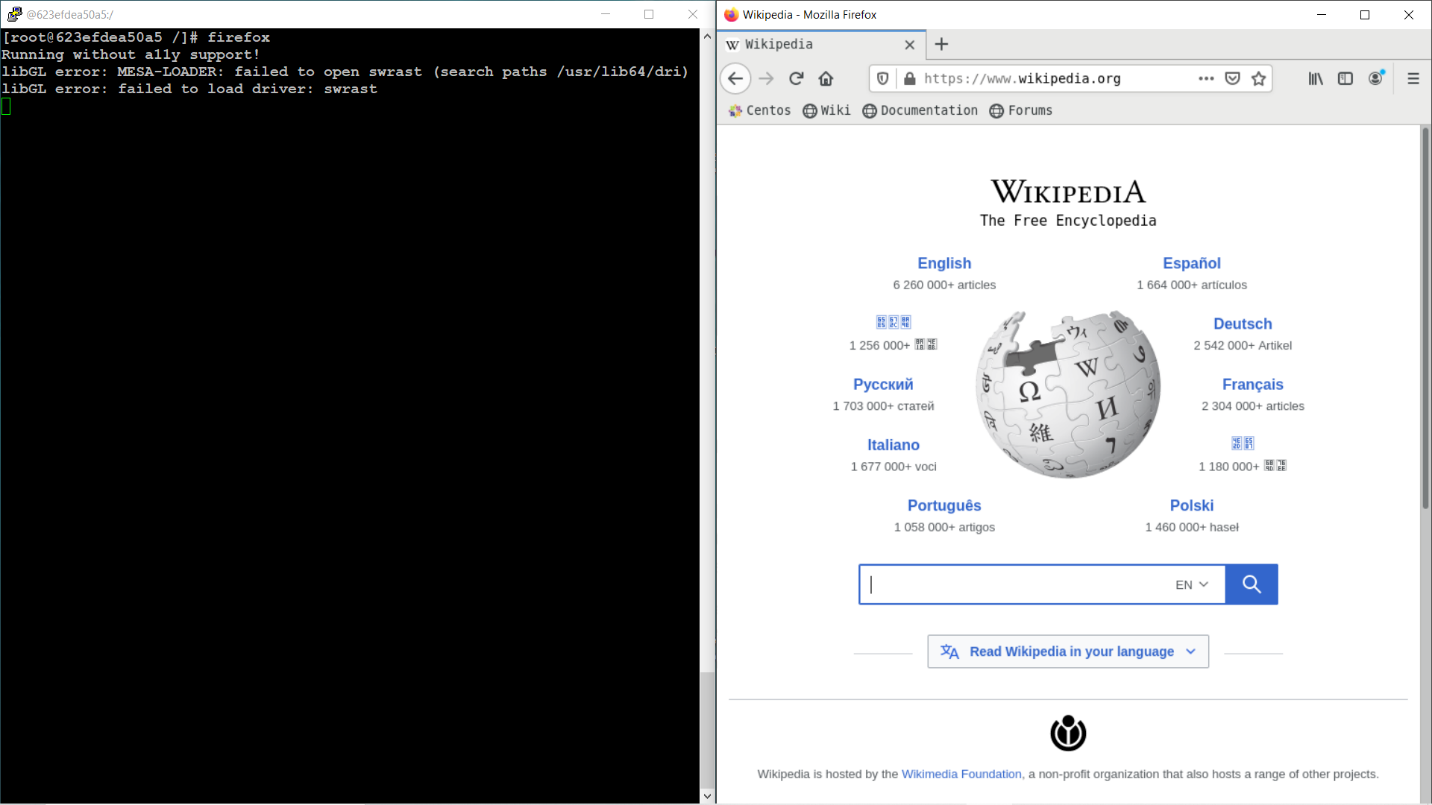
**Step7:** connect to docker container and export Export the display variable.

export DISPLAY=<Windows\_Ip>:<Display\_Number>

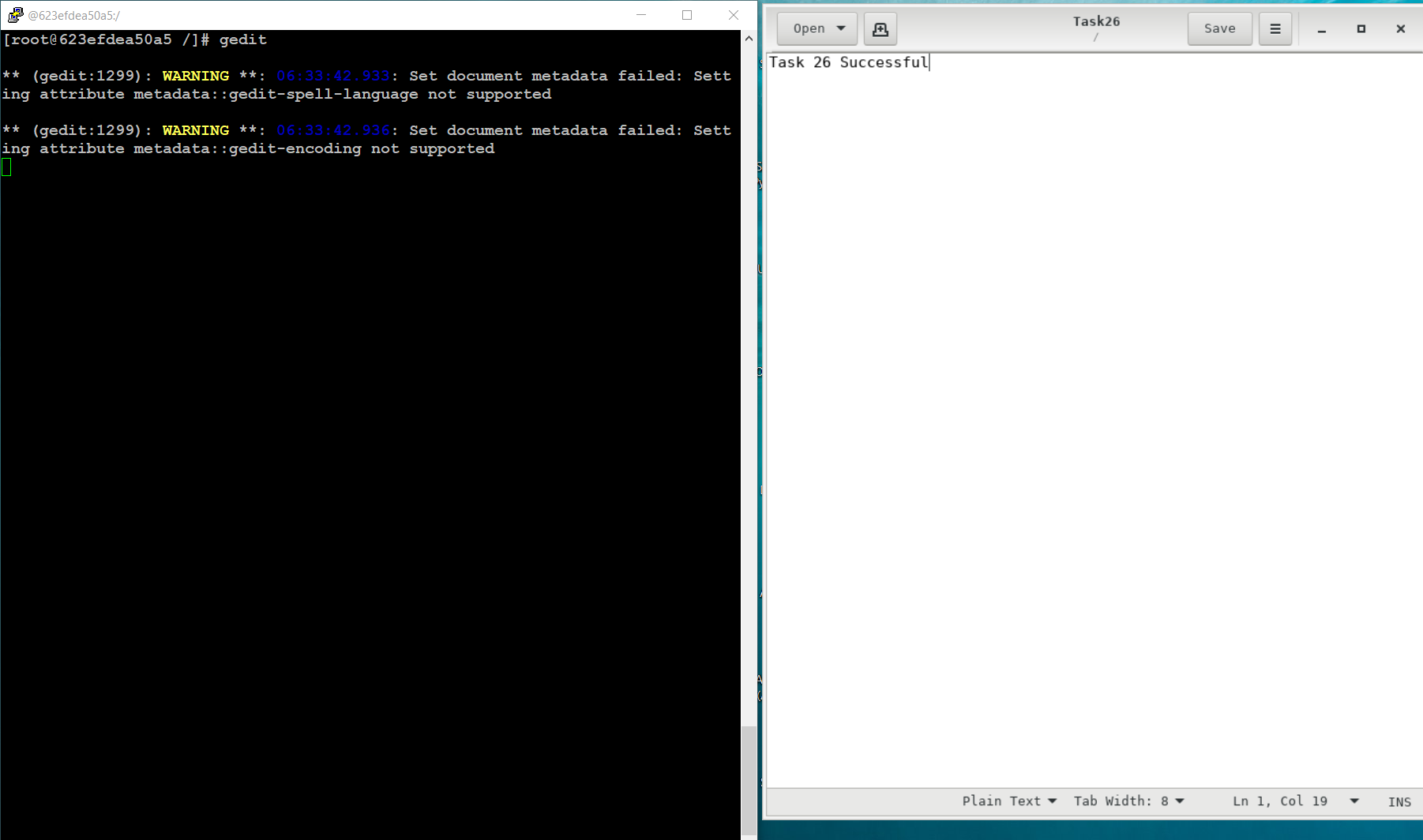


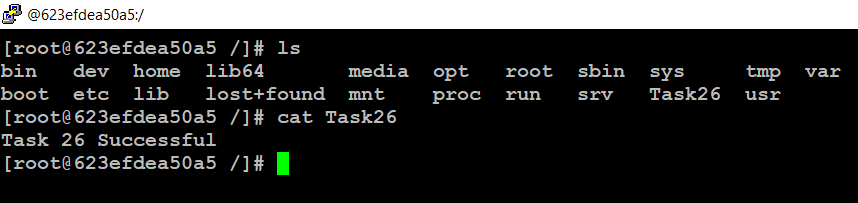
**Step8:** Install some of the Dependency files





**Step9:** Lets try to use gedit.





**Thank you**

**GitHub Link: https://github.com/Anuddeeph/Docker\_GUI.git**