Dirty Cow

Task 1: Modify a Dummy Read-Only File

Create a Dummy File

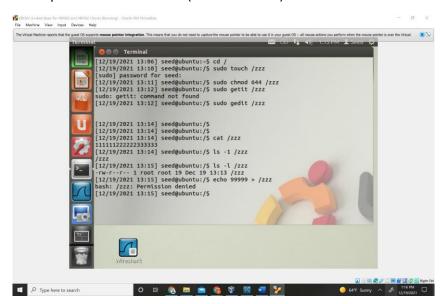
Create Dummy File in root directory

Change permissions to read only for normal users

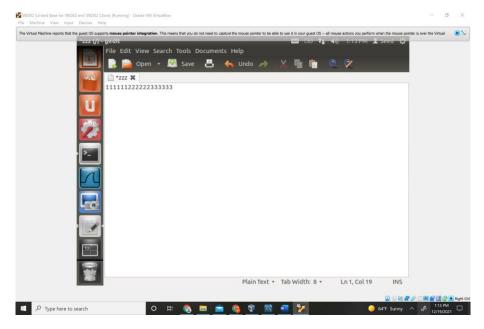
Use gedit to edit the doc

Check its permissions

Attempt to add without sudo(as normal user)

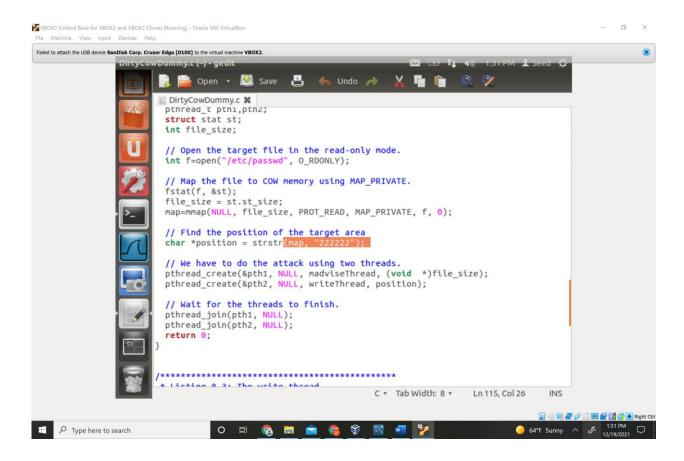


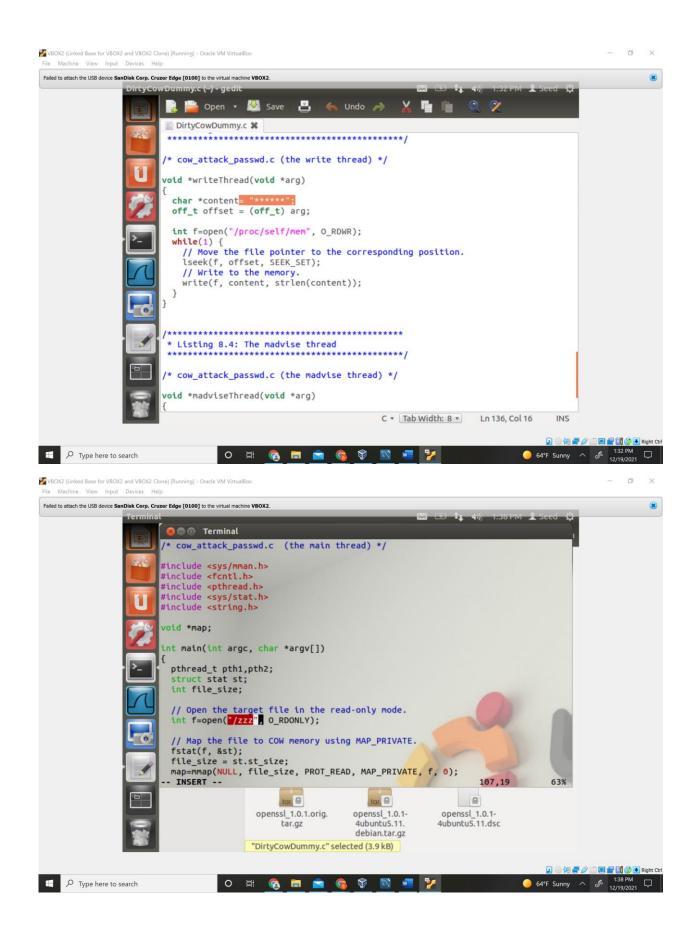
Gedit work



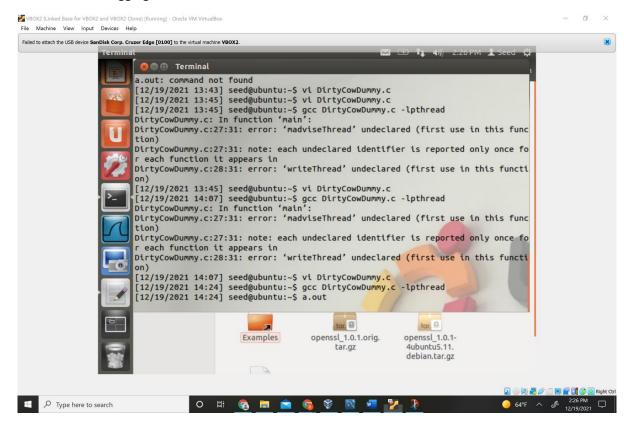
Setting up the threads:

Honestly just download the code for changing the password and highlighted the changes



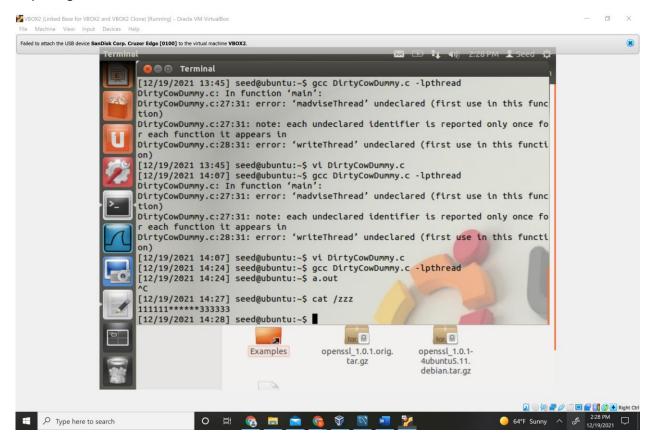


After some debugging I also found I needed to declare the therads in C fashion.



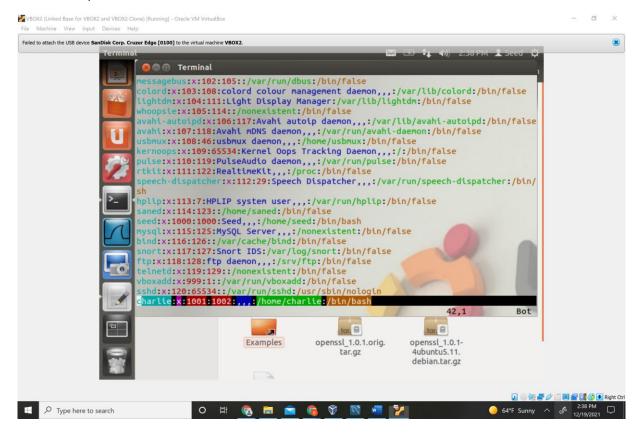
I exited with control + C and cat'd the file to see the exploit worked

Replacing 222222 with ******.

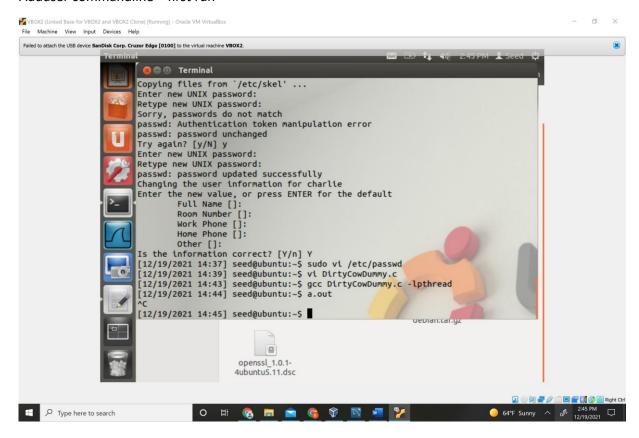


Task 2: Modify the Password File to Gain the Root Privilege

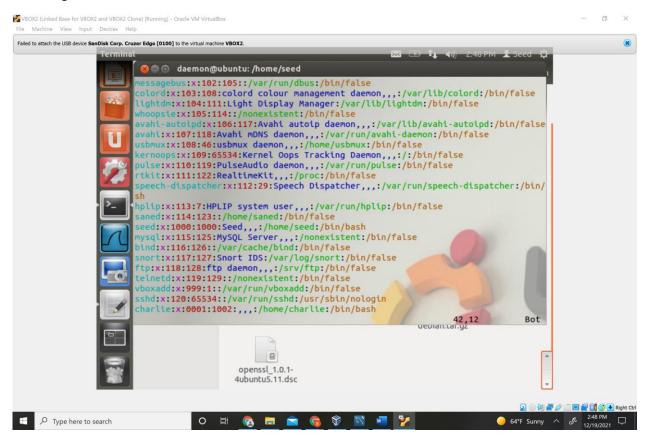
This is /etc/password after adduser charlie



Adduser commandline + first run

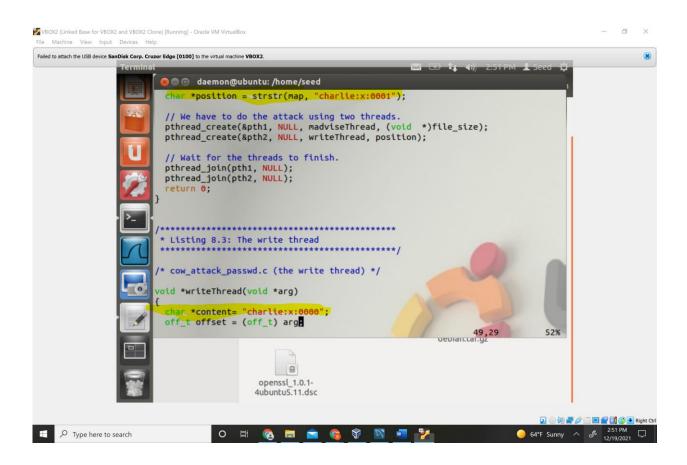


Resulting Charlie File

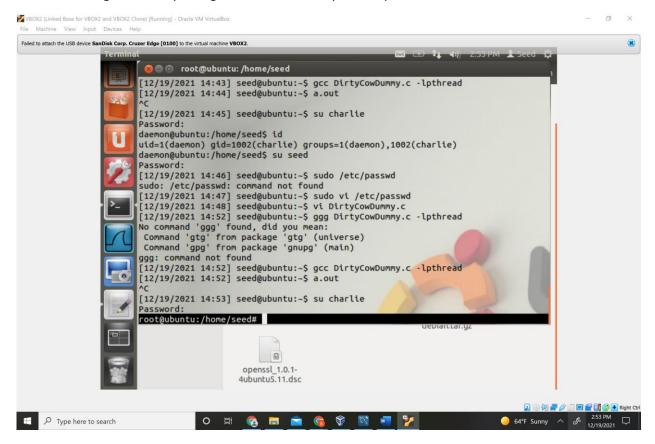


Forgot to turn a 1 to so I turned Charlie in a daemon. I'll rerun that with 0001 be Chalie's search string

New code highlighted sections are changes



Charlie is changed to root privileges with second Dirty Cow Exploit



Mission Complete