

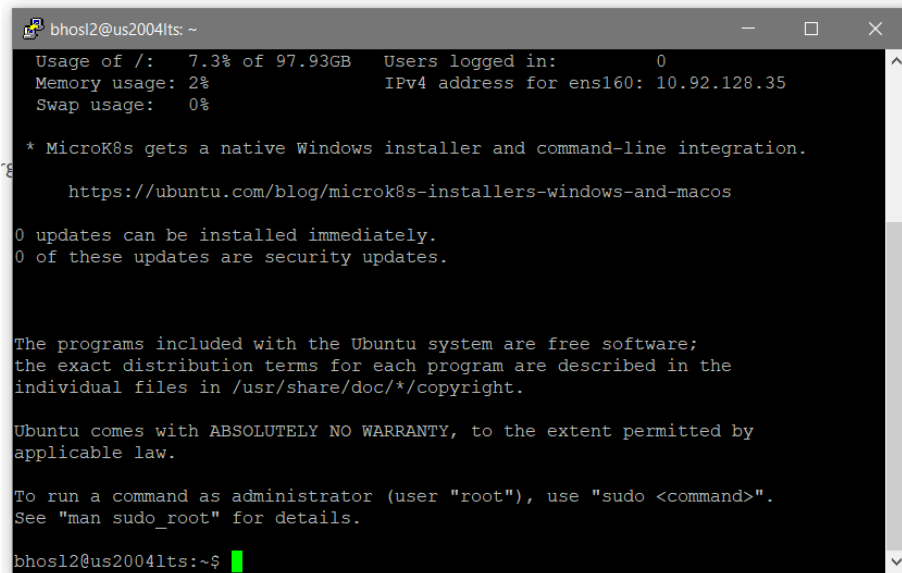
Containerization and Big Data: Exercise 1

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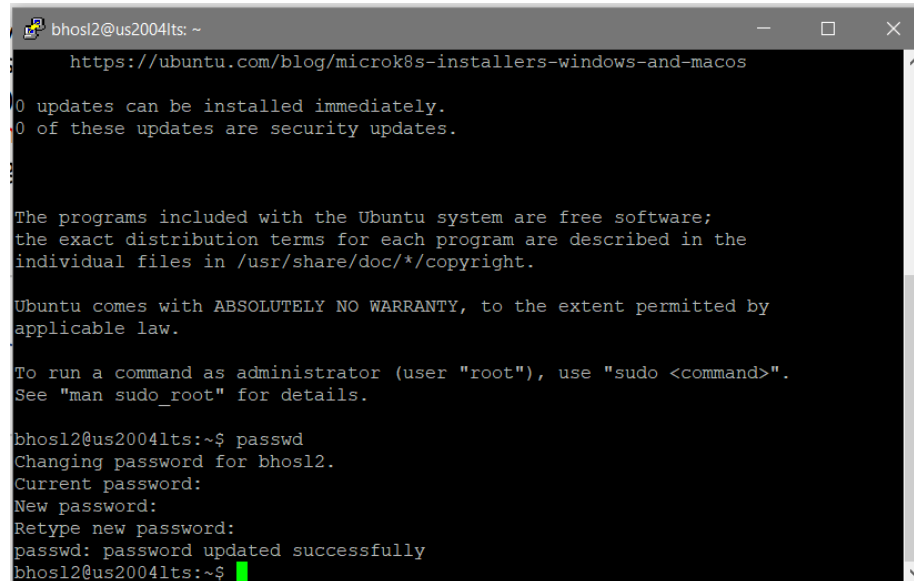
1 Initializing Environment

1.1 Accessing VM using SSH



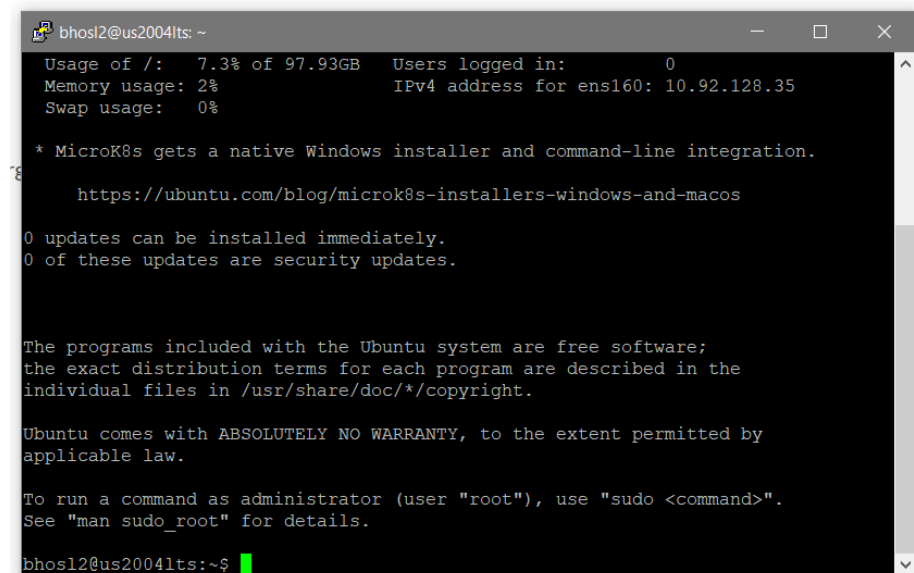
```
bhosl2@us2004lts: ~  
Usage of /: 7.3% of 97.93GB  Users logged in: 0  
Memory usage: 2%          IPv4 address for ens160: 10.92.128.35  
Swap usage: 0%  
  
* MicroK8s gets a native Windows installer and command-line integration.  
https://ubuntu.com/blog/microk8s-installers-windows-and-macos  
  
0 updates can be installed immediately.  
0 of these updates are security updates.  
  
The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
bhosl2@us2004lts:~$
```

1.2 Changing Password

A terminal window titled 'bhosl2@us2004lts: ~' showing the output of the 'passwd' command. The terminal displays system updates, copyright information, and the successful completion of the password change for the user 'bhosl2'.

```
bhosl2@us2004lts: ~  
https://ubuntu.com/blog/microk8s-installers-windows-and-macos  
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The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
bhosl2@us2004lts:~$ passwd  
Changing password for bhosl2.  
Current password:  
New password:  
Retype new password:  
passwd: password updated successfully  
bhosl2@us2004lts:~$
```

1.3 Installing Docker on VM

A terminal window titled 'bhosl2@us2004lts: ~' showing system status information and Docker installation instructions. The terminal displays disk usage, memory usage, swap usage, and a link to the Docker installation guide.

```
bhosl2@us2004lts: ~  
Usage of /: 7.3% of 97.93GB  Users logged in: 0  
Memory usage: 2%          IPv4 address for ens160: 10.92.128.35  
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See "man sudo_root" for details.  
  
bhosl2@us2004lts:~$
```