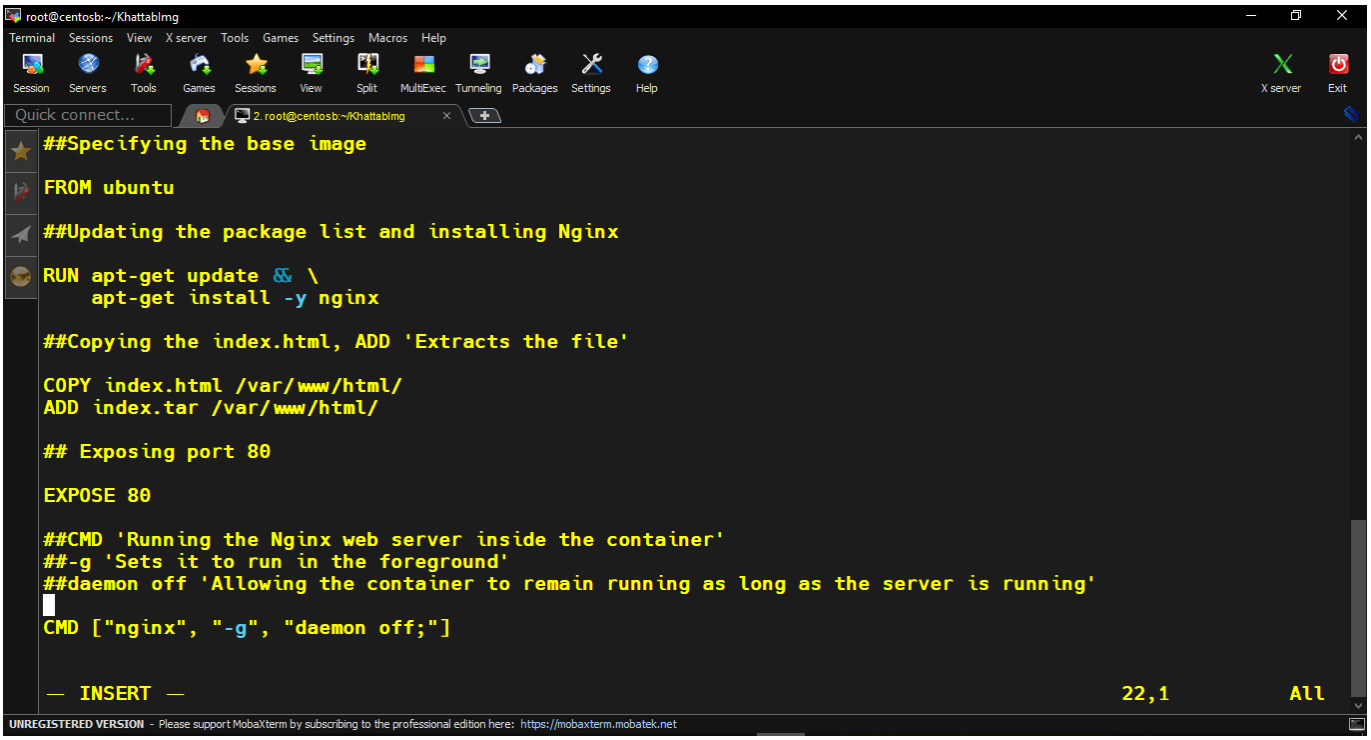
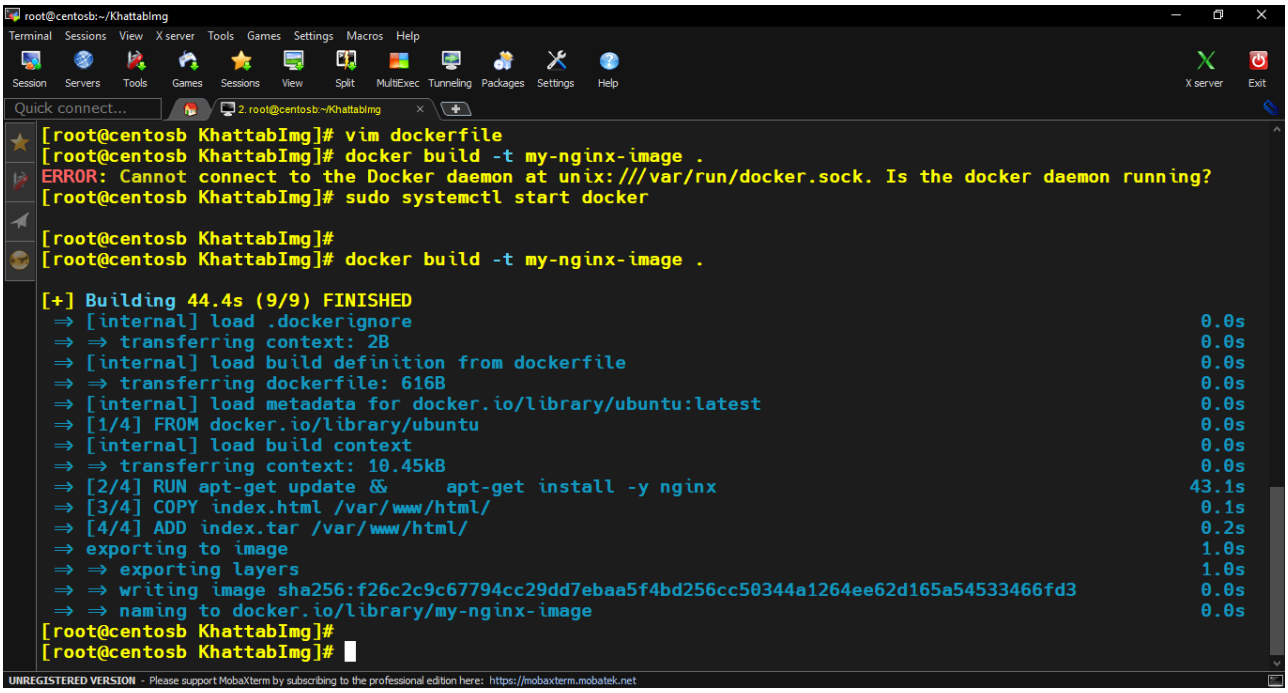
P1:

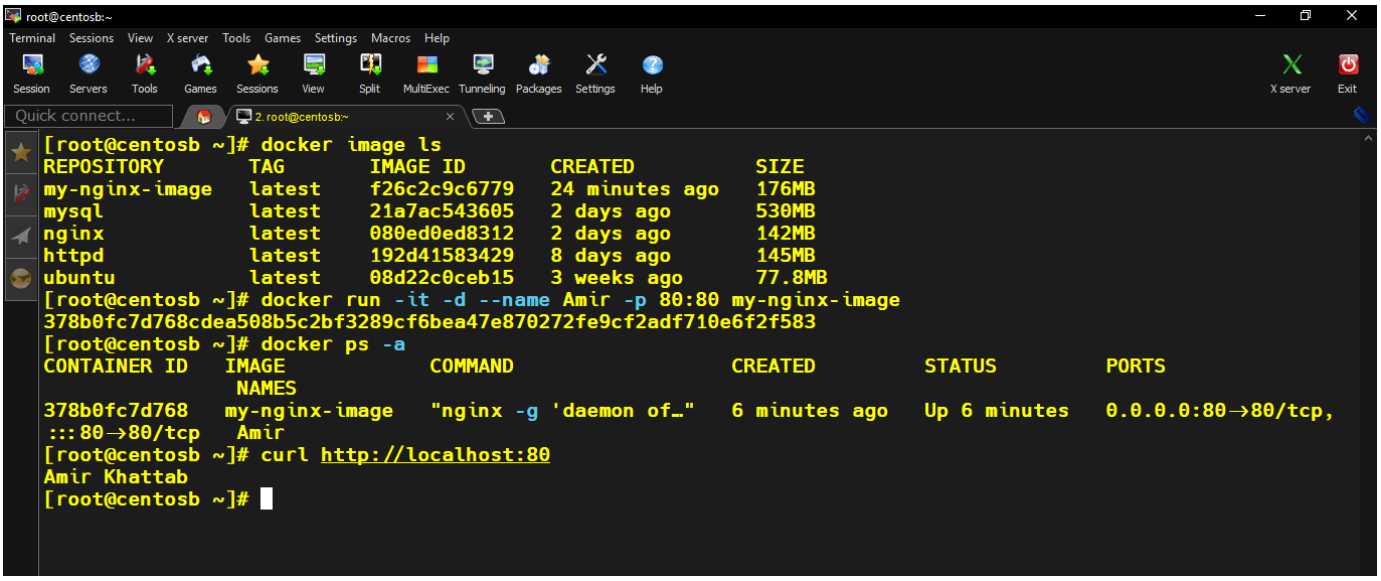
Docker file:



Building the image:

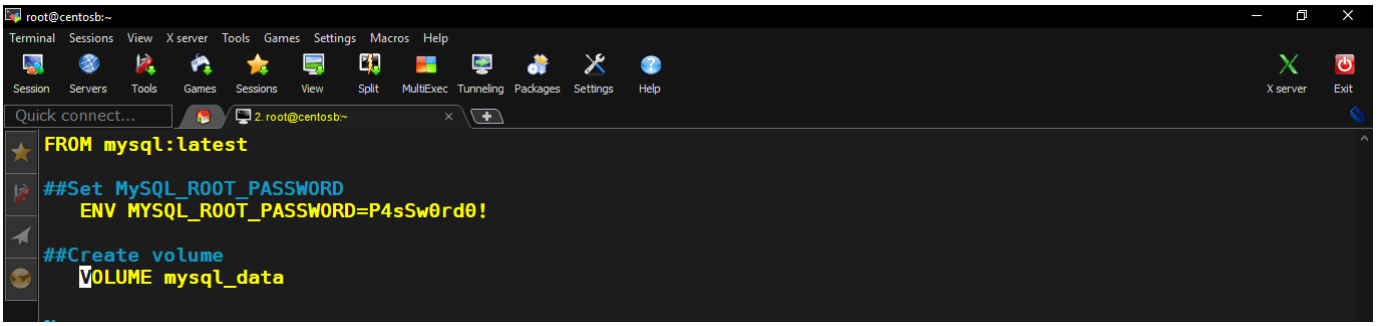


Creating container and test html file:

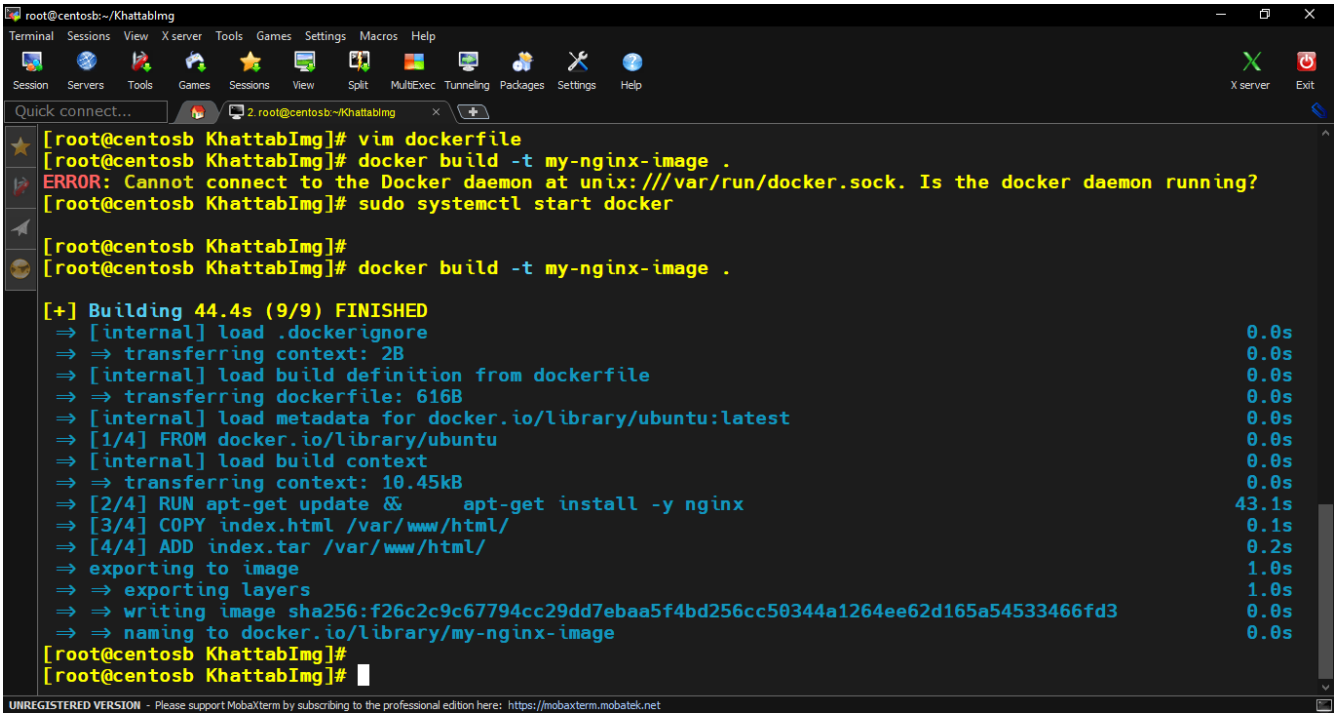


P2:

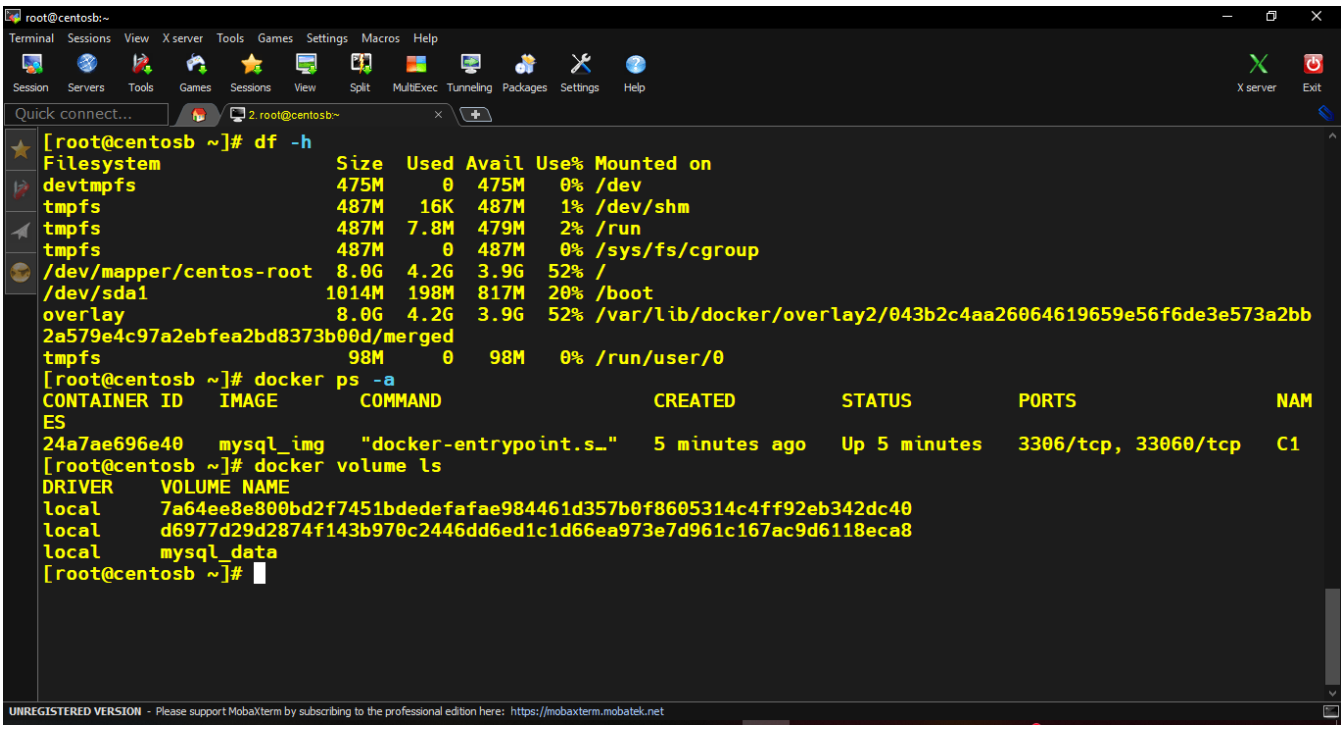
Docker File:



Building the image:

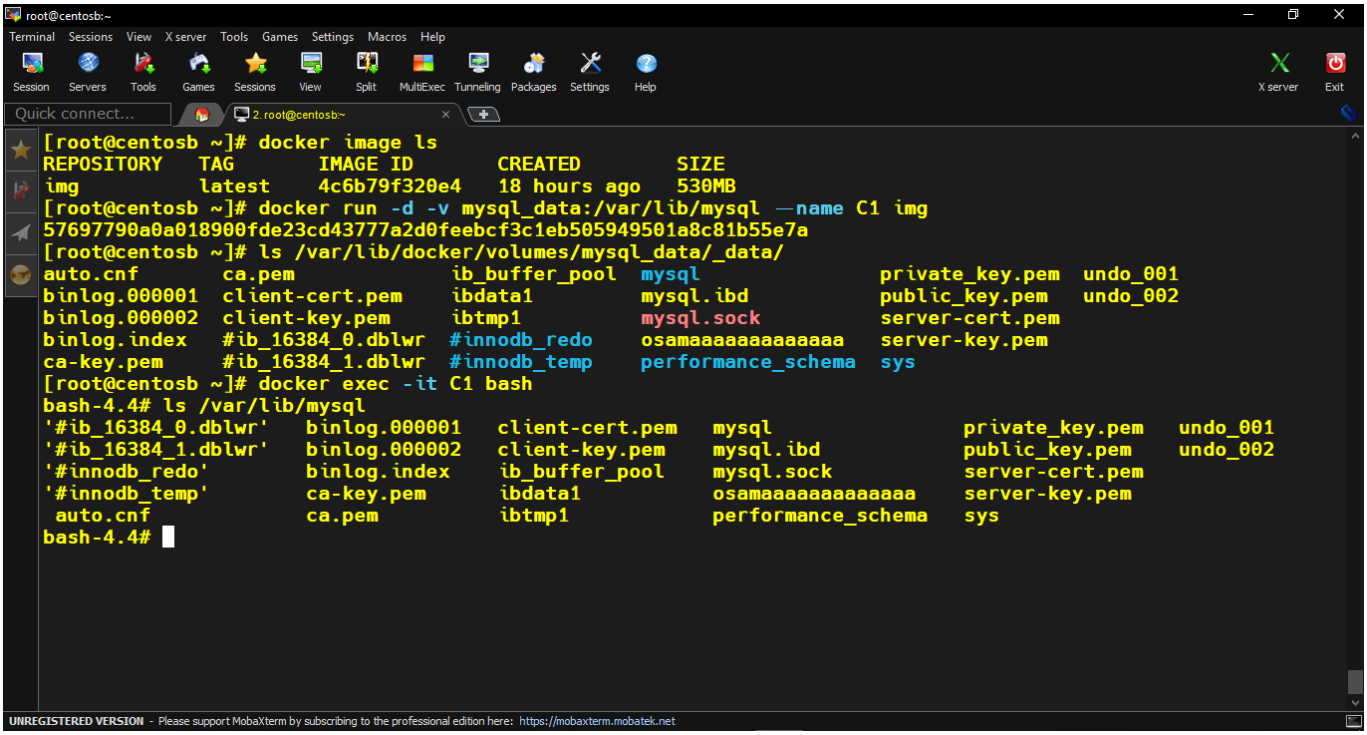


The created volume:

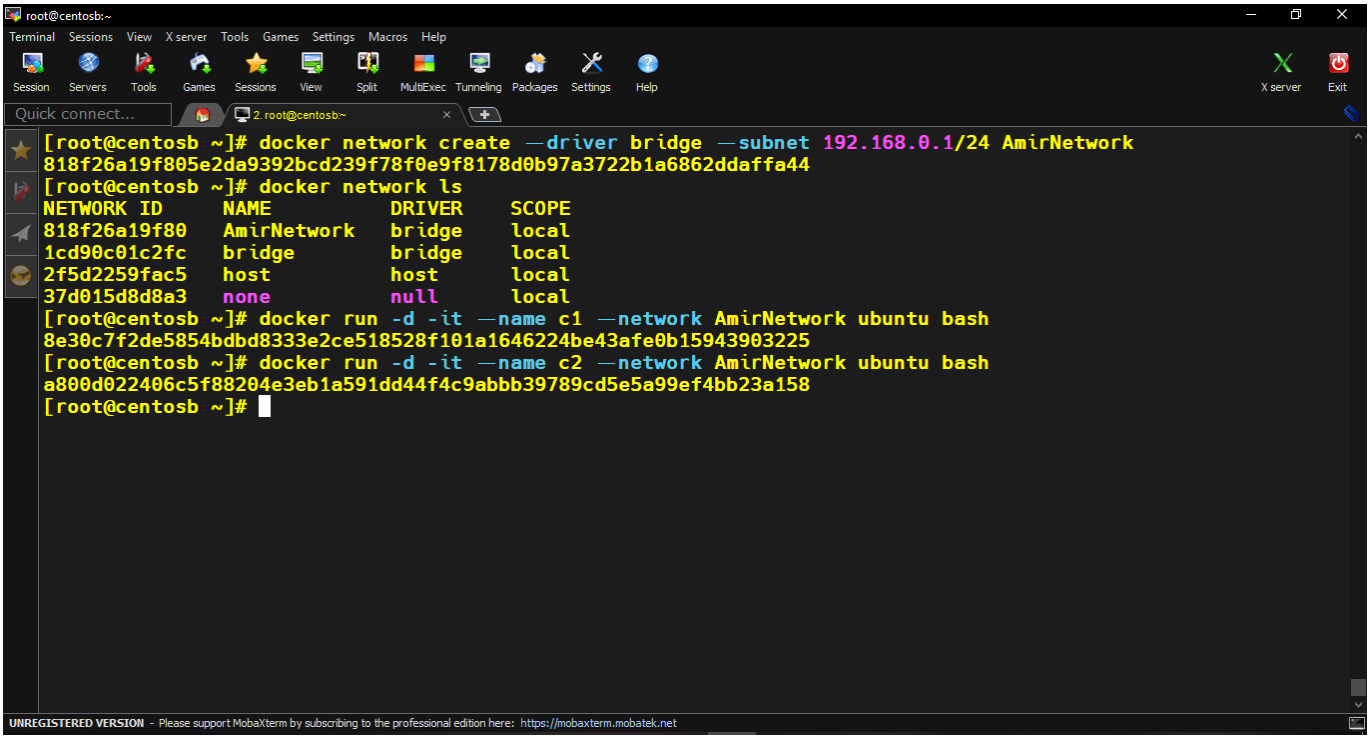


Creating container:
Testing the mount point by touching file “osamaaaaaaaaaaaaa” in container /var/lib/mysql

The file will be permanently stored in /var/lib/docker/volumes/mysql_data/_data



P5:


root@centosb:~
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
2. root@centosb:~
[root@centosb ~]# docker network create --driver bridge --subnet 192.168.0.1/24 AmirNetwork
818f26a19f805e2da9392bcd239f78f0e9f8178d0b97a3722b1a6862ddaffa44
[root@centosb ~]# docker network ls
NETWORK ID NAME DRIVER SCOPE
818f26a19f80 AmirNetwork bridge local
1cd90c01c2fc bridge bridge local
2f5d2259fac5 host host local
37d015d8d8a3 none null local
[root@centosb ~]# docker run -d -it --name c1 --network AmirNetwork ubuntu bash
8e30c7f2de5854bdbd8333e2ce518528f101a1646224be43afe0b15943903225
[root@centosb ~]# docker run -d -it --name c2 --network AmirNetwork ubuntu bash
a800d022406c5f88204e3eb1a591dd44f4c9abbb39789cd5e5a99ef4bb23a158
[root@centosb ~]#
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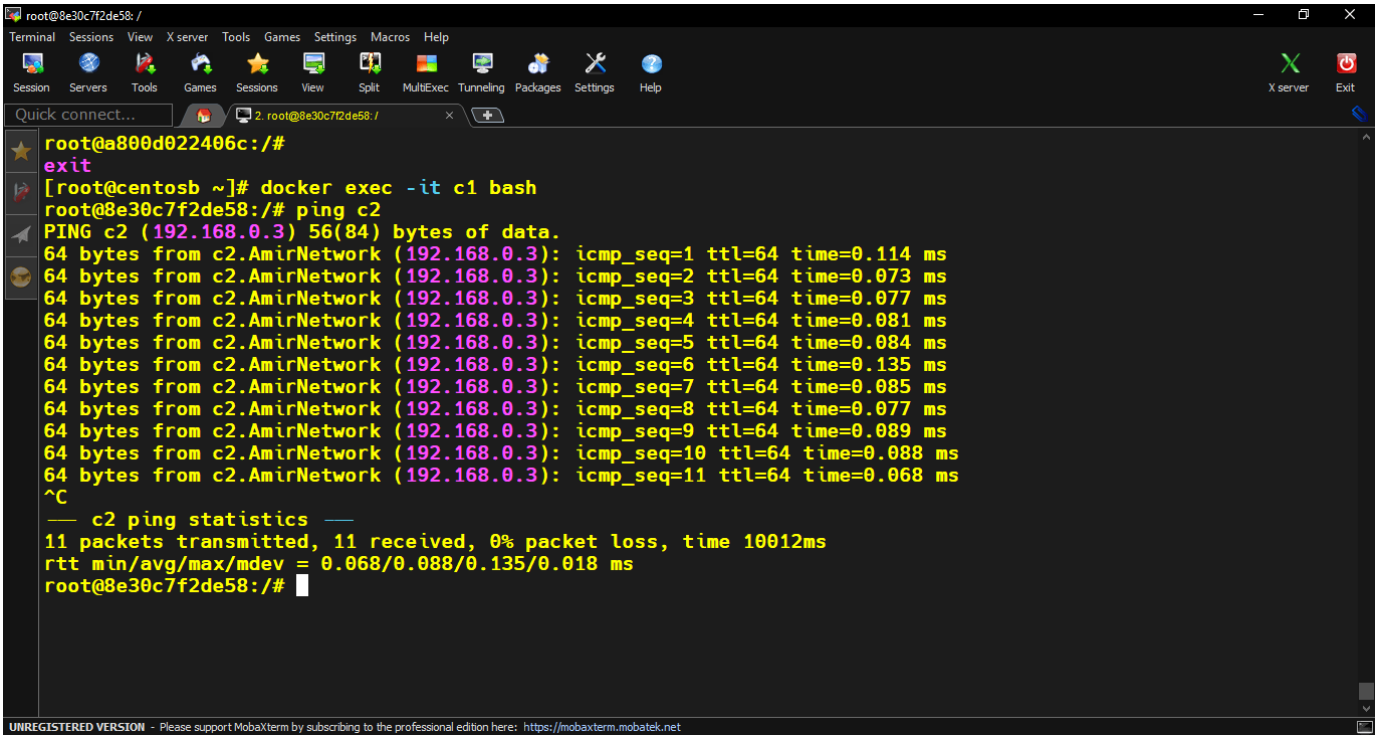
root@8e30c7f2de58: /
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
2. root@8e30c7f2de58: /
root@a800d022406c:/#
exit
[root@centosb ~]# docker exec -it c1 bash
root@8e30c7f2de58:/# ping c2
PING c2 (192.168.0.3) 56(84) bytes of data.
64 bytes from c2.AmirNetwork (192.168.0.3): icmp_seq=1 ttl=64 time=0.114 ms
64 bytes from c2.AmirNetwork (192.168.0.3): icmp_seq=2 ttl=64 time=0.073 ms
64 bytes from c2.AmirNetwork (192.168.0.3): icmp_seq=3 ttl=64 time=0.077 ms
64 bytes from c2.AmirNetwork (192.168.0.3): icmp_seq=4 ttl=64 time=0.081 ms
64 bytes from c2.AmirNetwork (192.168.0.3): icmp_seq=5 ttl=64 time=0.084 ms
64 bytes from c2.AmirNetwork (192.168.0.3): icmp_seq=6 ttl=64 time=0.135 ms
64 bytes from c2.AmirNetwork (192.168.0.3): icmp_seq=7 ttl=64 time=0.085 ms
64 bytes from c2.AmirNetwork (192.168.0.3): icmp_seq=8 ttl=64 time=0.077 ms
64 bytes from c2.AmirNetwork (192.168.0.3): icmp_seq=9 ttl=64 time=0.089 ms
64 bytes from c2.AmirNetwork (192.168.0.3): icmp_seq=10 ttl=64 time=0.088 ms
64 bytes from c2.AmirNetwork (192.168.0.3): icmp_seq=11 ttl=64 time=0.068 ms
^C
--- c2 ping statistics ---
11 packets transmitted, 11 received, 0% packet loss, time 10012ms
rtt min/avg/max/mdev = 0.068/0.088/0.135/0.018 ms
root@8e30c7f2de58:/#
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