

```
root@c5f120076417: /
File Edit View Search Terminal Help
File "server_side.py", line 4, in <module>
s.bind(("172.17.0.3", 1024))
OSError: [Errno 99] Cannot assign requested address
root@c5f120076417:/# vim server_side.py
root@c5f120076417:/# python3 server_side.py
Traceback (most recent call last):
  File "server_side.py", line 4, in <module>
    s.bind(("172.17.0.3", 1024))
OSError: [Errno 99] Cannot assign requested address
root@c5f120076417:/# python3 server_side.py
Connection to ('172.17.0.3', 50508) established
Socket programming in python
Traceback (most recent call last):
  File "server_side.py", line 13, in <module>
    arr = string.encode('utf-8')
NameError: name 'string' is not defined
root@c5f120076417:/# vim server_side.py
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root@c5f120076417:/# python3 server_side.py
Traceback (most recent call last):
  File "server_side.py", line 9, in <module>
    cli,addr = s.accept()
File "/usr/lib/python3.8/socket.py", line 292, in accept
    fd, addr = self._accept()
KeyboardInterrupt

root@c5f120076417:/# vim server_side.py
root@c5f120076417:/# python3 server_side.py
Connection to ('172.17.0.3', 50554) established
Socket programming in python
Traceback (most recent call last):
  File "server_side.py", line 13, in <module>
    arr = string.encode('utf-8')
NameError: name 'string' is not defined
root@c5f120076417:/# vim server_side.py
root@c5f120076417:/# python3 server_side.py
Connection to ('172.17.0.3', 50572) established
Socket programming in python
b'utf-8'

root@9f1703b14943: /
File Edit View Search Terminal Help
ether 02:42:ac:11:00:03 txqueuelen 0 (Ethernet)
RX packets 16087 bytes 33863785 (33.8 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 6841 bytes 557152 (557.1 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
loop txqueuelen 1000 (Local Loopback)
RX packets 48 bytes 3352 (3.3 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 48 bytes 3352 (3.3 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@9f1703b14943:/# vim client-side.py
root@9f1703b14943:/# python3 client-side.py

root@9f1703b14943:/# vim client-side.py
root@9f1703b14943:/# vim client-side.py
root@9f1703b14943:/# python3 client-side.py
Traceback (most recent call last):
  File "client-side.py", line 3, in <module>
    s.connect(("localhost", 1024))
ConnectionRefusedError: [Errno 111] Connection refused
root@9f1703b14943:/# vim client-side.py
root@9f1703b14943:/# vim client-side.py
root@9f1703b14943:/# python3 client-side.py
Traceback (most recent call last):
  File "client-side.py", line 3, in <module>
    s.connect(("172.17.0.2", 1024))
ConnectionRefusedError: [Errno 111] Connection refused
root@9f1703b14943:/# vim client-side.py
root@9f1703b14943:/# python3 client-side.py
Traceback (most recent call last):
  File "client-side.py", line 3, in <module>
    s.connect(("172.17.0.3", 1024))
ConnectionRefusedError: [Errno 111] Connection refused
root@9f1703b14943:/# vim client-side.py
root@9f1703b14943:/# python3 client-side.py
Traceback (most recent call last):
  File "client-side.py", line 3, in <module>
    s.connect(("172.17.0.3", 1024))
ConnectionRefusedError: [Errno 111] Connection refused
root@9f1703b14943:/# python3 client-side.py
utf-8
root@9f1703b14943:/#
```

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lftl-Blade: Tue Sep 8 13:30:39 2020
Every 2.0s: sudo docker ps

CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
9f1703b14943        ubuntu             "/bin/bash"        37 minutes ago     Up 33 minutes      172.17.0.3:22->0.0.0.0:22   client-p180054
c5f120076417        ubuntu             "/bin/bash"        39 minutes ago     Up 35 minutes      172.17.0.3:22->0.0.0.0:22   server-p180054
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root@csf120076417:/  
File Edit View Search Terminal Help  
octated file /usr/share/man/man1/xzgrep.1.gz (of link group lzma) doesn't exist  
Setting up libbndec2:amd64 (2.4.2-3) ...  
Setting up readline-common (8.0-4) ...  
Setting up libreadline8:amd64 (8.0-4) ...  
Setting up libpython3-stdlib:amd64 (3.8.2-1ubuntu1.2) ...  
Setting up python3.8 (3.8.2-1ubuntu1.2) ...  
Setting up libpython3-stdlib:amd64 (3.8.2-0ubuntu2) ...  
Setting up python3 (3.8.2-0ubuntu2) ...  
running python rtupdate hooks for python3.8...  
running python post-rtupdate hooks for python3.8...  
Processing triggers for libc-bin (2.31-0ubuntu9) ...  
root@csf120076417:/# ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 172.17.0.2 netmask 255.255.0.0 broadcast 172.17.255.255  
    ether 02:42:ac:11:00:02 txqueuelen 0 (Ethernet)  
    RX packets 11216 bytes 23534249 (23.5 MB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 6068 bytes 496044 (496.0 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 0 bytes 0 (0.0 B)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 0 bytes 0 (0.0 B)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
root@csf120076417:/# ping 172.17.0.2  
PING 172.17.0.2 (172.17.0.2): 56 data bytes  
64 bytes from 172.17.0.2: icmp_seq=0 ttl=64 time=0.079 ms  
64 bytes from 172.17.0.2: icmp_seq=1 ttl=64 time=0.078 ms  
64 bytes from 172.17.0.2: icmp_seq=2 ttl=64 time=0.075 ms  
64 bytes from 172.17.0.2: icmp_seq=3 ttl=64 time=0.087 ms  
64 bytes from 172.17.0.2: icmp_seq=4 ttl=64 time=0.102 ms  
64 bytes from 172.17.0.2: icmp_seq=5 ttl=64 time=0.074 ms  
^C--- 172.17.0.2 ping statistics ---  
 6 packets transmitted, 6 packets received, 0% packet loss  
round-trip min/avg/max/stddev = 0.074/0.082/0.102/0.000 ms  
root@csf120076417:/# ping 172.17.0.3  
PING 172.17.0.3 (172.17.0.3): 56 data bytes  
64 bytes from 172.17.0.3: icmp_seq=0 ttl=64 time=0.215 ms  
64 bytes from 172.17.0.3: icmp_seq=1 ttl=64 time=0.103 ms  
64 bytes from 172.17.0.3: icmp_seq=2 ttl=64 time=0.135 ms  
64 bytes from 172.17.0.3: icmp_seq=3 ttl=64 time=0.127 ms  
64 bytes from 172.17.0.3: icmp_seq=4 ttl=64 time=0.114 ms  
64 bytes from 172.17.0.3: icmp_seq=5 ttl=64 time=0.123 ms  
^C--- 172.17.0.3 ping statistics ---  
 6 packets transmitted, 6 packets received, 0% packet loss  
round-trip min/avg/max/stddev = 0.103/0.136/0.215/0.037 ms  
root@csf120076417:/#  
  
root@9f1703b14943:/  
File Edit View Search Terminal Help  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzgrep.1.gz because ass  
octated file /usr/share/man/man1/xzgrep.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzfgrep.1.gz because ass  
octated file /usr/share/man/man1/xzfgrep.1.gz (of link group lzma) doesn't exist  
Setting up libbndec2:amd64 (2.4.2-3) ...  
Setting up readline-common (8.0-4) ...  
Setting up libreadline8:amd64 (8.0-4) ...  
Setting up libpython3.8-stdlib:amd64 (3.8.2-1ubuntu1.2) ...  
Setting up python3.8 (3.8.2-1ubuntu1.2) ...  
Setting up libpython3-stdlib:amd64 (3.8.2-0ubuntu2) ...  
Setting up python3 (3.8.2-0ubuntu2) ...  
running python rtupdate hooks for python3.8...  
running python post-rtupdate hooks for python3.8...  
Processing triggers for libc-bin (2.31-0ubuntu9) ...  
root@9f1703b14943:/# ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 172.17.0.3 netmask 255.255.0.0 broadcast 172.17.255.255  
    ether 02:42:ac:11:00:03 txqueuelen 0 (Ethernet)  
    RX packets 11119 bytes 23550721 (23.5 MB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 5426 bytes 439886 (439.8 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 0 bytes 0 (0.0 B)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 0 bytes 0 (0.0 B)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
root@9f1703b14943:/# ping 172.17.0.3  
PING 172.17.0.3 (172.17.0.3): 56 data bytes  
64 bytes from 172.17.0.3: icmp_seq=0 ttl=64 time=0.110 ms  
64 bytes from 172.17.0.3: icmp_seq=1 ttl=64 time=0.122 ms  
64 bytes from 172.17.0.3: icmp_seq=2 ttl=64 time=0.083 ms  
64 bytes from 172.17.0.3: icmp_seq=3 ttl=64 time=0.091 ms  
64 bytes from 172.17.0.3: icmp_seq=4 ttl=64 time=0.083 ms  
^C--- 172.17.0.3 ping statistics ---  
 5 packets transmitted, 5 packets received, 0% packet loss  
round-trip min/avg/max/stddev = 0.083/0.098/0.122/0.000 ms  
root@9f1703b14943:/# ifconfig 172.17.0.2  
172.17.0.2: error fetching interface information: Device not found  
root@9f1703b14943:/# ping 172.17.0.3  
PING 172.17.0.3 (172.17.0.3): 56 data bytes  
64 bytes from 172.17.0.3: icmp_seq=0 ttl=64 time=0.079 ms  
64 bytes from 172.17.0.3: icmp_seq=1 ttl=64 time=0.085 ms  
64 bytes from 172.17.0.3: icmp_seq=2 ttl=64 time=0.095 ms  
64 bytes from 172.17.0.3: icmp_seq=3 ttl=64 time=0.075 ms  
64 bytes from 172.17.0.3: icmp_seq=4 ttl=64 time=0.087 ms  
^C
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root@csf120076417:/  
File Edit View Search Terminal Help  
octated file /usr/share/man/man1/unxz.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzcat.1.gz because assoc  
octated file /usr/share/man/man1/xzcat.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzmore.1.gz because asso  
octated file /usr/share/man/man1/xzmore.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzless.1.gz because asso  
octated file /usr/share/man/man1/xzless.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzdiff.1.gz because asso  
octated file /usr/share/man/man1/xzdiff.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzcmp.1.gz because asso  
octated file /usr/share/man/man1/xzcmp.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzgrep.1.gz because asso  
octated file /usr/share/man/man1/xzgrep.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzfgrep.1.gz because asso  
octated file /usr/share/man/man1/xzfgrep.1.gz (of link group lzma) doesn't exist  
Setting up libbndec2:amd64 (2.4.2-3) ...  
Setting up readline-common (8.0-4) ...  
Setting up libreadline8:amd64 (8.0-4) ...  
Setting up libpython3.8-stdlib:amd64 (3.8.2-1ubuntu1.2) ...  
Setting up python3.8 (3.8.2-1ubuntu1.2) ...  
Setting up libpython3-stdlib:amd64 (3.8.2-0ubuntu2) ...  
Setting up python3 (3.8.2-0ubuntu2) ...  
running python rtupdate hooks for python3.8...  
running python post-rtupdate hooks for python3.8...  
Processing triggers for libc-bin (2.31-0ubuntu9) ...  
root@csf120076417:/# ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 172.17.0.2 netmask 255.255.0.0 broadcast 172.17.255.255  
    ether 02:42:ac:11:00:02 txqueuelen 0 (Ethernet)  
    RX packets 11216 bytes 23534249 (23.5 MB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 6068 bytes 496044 (496.0 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 0 bytes 0 (0.0 B)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 0 bytes 0 (0.0 B)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
root@csf120076417:/# ping 172.17.0.2  
PING 172.17.0.2 (172.17.0.2): 56 data bytes  
64 bytes from 172.17.0.2: icmp_seq=0 ttl=64 time=0.079 ms  
64 bytes from 172.17.0.2: icmp_seq=1 ttl=64 time=0.078 ms  
64 bytes from 172.17.0.2: icmp_seq=2 ttl=64 time=0.075 ms  
64 bytes from 172.17.0.2: icmp_seq=3 ttl=64 time=0.087 ms  
^C
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root@9f1703b14943:/  
File Edit View Search Terminal Help  
Setting up file (5.24-1ubuntu1) ...  
Setting up xz-utils (5.2.4-1ubuntu1) ...  
update-alternatives: using /usr/bin/lzma to provide /usr/bin/lzma (lzma) in auto mode  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzma.1.gz because assoc  
octated file /usr/share/man/man1/xz.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/unlzma.1.gz because asso  
octated file /usr/share/man/man1/unxz.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzcat.1.gz because asso  
octated file /usr/share/man/man1/xzcat.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzmore.1.gz because asso  
octated file /usr/share/man/man1/xzmore.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzless.1.gz because asso  
octated file /usr/share/man/man1/xzless.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzdiff.1.gz because asso  
octated file /usr/share/man/man1/xzdiff.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzcmp.1.gz because asso  
octated file /usr/share/man/man1/xzcmp.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzgrep.1.gz because asso  
octated file /usr/share/man/man1/xzgrep.1.gz (of link group lzma) doesn't exist  
update-alternatives: warning: skip creation of /usr/share/man/man1/lzfgrep.1.gz because asso  
octated file /usr/share/man/man1/xzfgrep.1.gz (of link group lzma) doesn't exist  
Setting up libbndec2:amd64 (2.4.2-3) ...  
Setting up readline-common (8.0-4) ...  
Setting up libreadline8:amd64 (8.0-4) ...  
Setting up libpython3.8-stdlib:amd64 (3.8.2-1ubuntu1.2) ...  
Setting up python3.8 (3.8.2-1ubuntu1.2) ...  
Setting up libpython3-stdlib:amd64 (3.8.2-0ubuntu2) ...  
Setting up python3 (3.8.2-0ubuntu2) ...  
running python rtupdate hooks for python3.8...  
running python post-rtupdate hooks for python3.8...  
Processing triggers for libc-bin (2.31-0ubuntu9) ...  
root@9f1703b14943:/# ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 172.17.0.3 netmask 255.255.0.0 broadcast 172.17.255.255  
    ether 02:42:ac:11:00:03 txqueuelen 0 (Ethernet)  
    RX packets 11119 bytes 23550721 (23.5 MB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 5426 bytes 439886 (439.8 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 0 bytes 0 (0.0 B)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 0 bytes 0 (0.0 B)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
root@9f1703b14943:/#
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