

```
migel@Linux-3: ~  
migel@Linux-3:~$ sudo lxc-create -n testPC1 -t ubuntu -f /usr/share/doc/lxc/examples/lxc-veth.conf  
[sudo] password for migel:  
lxc-create: testPC1: parse.c: lxc_file_for_each_line_mmap: 78 No such file or directory - Failed to open file "/usr/share/doc/lxc/examples/lxc-veth.conf"  
Checking cache download in /var/cache/lxc/jammy/rootfs-amd64 ...  
Copy /var/cache/lxc/jammy/rootfs-amd64 to /var/lib/lxc/testPC1/rootfs ...  
Copying rootfs to /var/lib/lxc/testPC1/rootfs ...  
Generating locales (this might take a while)...  
  en_US.UTF-8... done  
Generation complete.  
Creating SSH2 RSA key; this may take some time ...  
3072 SHA256:PvcgxQAka3Q03ubWDDNSHbwLEtZ+bZtjJWyB20MLES4 root@Linux-3 (RSA)  
Creating SSH2 ECDSA key; this may take some time ...  
256 SHA256:3kkd6eqyJwrpb6Upk6z1DsgWZBfiCeYMXieIobGG6ofs root@Linux-3 (ECDSA)  
Creating SSH2 ED25519 key; this may take some time ...  
256 SHA256:xNtXChcyeAo3hxVw8fvPu0FAMKnwvx+4x23V3UhsSps root@Linux-3 (ED25519)  
invoke-rc.d: could not determine current runlevel  
invoke-rc.d: policy-rc.d denied execution of start.  
  
Current default time zone: 'Etc/UTC'  
Local time is now:      Бс 16 июл 2023 16:36:20 UTC.  
Universal Time is now:  Sun Jul 16 16:36:20 UTC 2023.  
  
##  
# The default user is 'ubuntu' with password 'ubuntu'!  
# Use the 'sudo' command to run tasks as root in the container.  
##  
  
migel@Linux-3:~$ sudo lxc-create -n testPC2 -t ubuntu -f /usr/share/doc/lxc/examples/lxc-veth.conf  
lxc-create: testPC2: parse.c: lxc_file_for_each_line_mmap: 78 No such file or directory - Failed to open file "/usr/share/doc/lxc/examples/lxc-veth.conf"  
Checking cache download in /var/cache/lxc/jammy/rootfs-amd64 ...  
Copy /var/cache/lxc/jammy/rootfs-amd64 to /var/lib/lxc/testPC2/rootfs ...  
Copying rootfs to /var/lib/lxc/testPC2/rootfs ...  
Generating locales (this might take a while)...  
  en_US.UTF-8... done  
Generation complete.  
Creating SSH2 RSA key; this may take some time ...  
3072 SHA256:x4uxLIcZ/byjbuRe6wMKsp/bkePNZfK00gplCxCq6BZw root@Linux-3 (RSA)  
Creating SSH2 ECDSA key; this may take some time ...
```

migel@Linux-3: ~



```
GNU nano 6.2 /var/lib/lxc/testPC1/config
# Template used to create this container: /usr/share/lxc/templates/lxc-ubuntu
# Parameters passed to the template:
# For additional config options, please look at lxc.container.conf(5)

# Uncomment the following line to support nesting containers:
#lxc.include = /usr/share/lxc/config/nesting.conf
# (Be aware this has security implications)

# Common configuration
lxc.include = /usr/share/lxc/config/ubuntu.common.conf

# Container specific configuration
lxc.rootfs.path = dir:/var/lib/lxc/testPC1/rootfs
lxc.uts.name = testPC1
lxc.arch = amd64
lxc.network.ipv4 = 10.0.12.0/24
lxc.network.ipv4.gateway = auto

# Network configuration
```

) ?

Read 20 lines

^G Help	^O Write Out	^W Where Is	^K Cut	^T Execute	^C Location	M-U Undo	M-A Set Mark	M-] To Bracket	M-Q Previous
^X Exit	^R Read File	^I Replace	^U Paste	^J Justify	^/_ Go To Line	M-E Redo	M-6 Copy	^Q Where Was	M-W Next

root@testPC5: /

test-ubuntu-1 testPC1 testPC2

migel@Linux-3:~\$ sudo apt install dnsmasq-base

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

dnsmasq-base is already the newest version (2.86-1.1ubuntu0.3).

dnsmasq-base set to manually installed.

0 upgraded, 0 newly installed, 0 to remove and 128 not upgraded.

migel@Linux-3:~\$ systemctl restart lxc-net

migel@Linux-3:~\$ systemctl status lxc-net

● lxc-net.service - LXC network bridge setup

Loaded: loaded (/lib/systemd/system/lxc-net.service; enabled; vendor preset: enabled)

Active: active (exited) since Sun 2023-07-16 23:06:04 +05; 9s ago

Docs: man:lxc

Process: 169127 ExecStart=/usr/lib/x86_64-linux-gnu/lxc/lxc-net start (code=exited, status=0/SUCCESS)

Main PID: 169127 (code=exited, status=0/SUCCESS)

Tasks: 1 (limit: 4600)

Memory: 860.0K

CPU: 17ms

CGroup: /system.slice/lxc-net.service

└─169172 dnsmasq --conf-file=/dev/null -u lxc-dnsmasq --strict-order --bind-interfaces --pid-file=/run/lxc/dnsmasq.pid --listen-address 10.0.3.1 ->

lines 1-11/11 (END)

root@testPC5: /



```
root@testPC4:/# exit
exit
migel@Linux-3:~$ exit
exit
There are stopped jobs.
migel@Linux-3:~$ sudo lxc-ls
test-ubuntu-1 testPC1      testPC2      testPC3      testPC4
migel@Linux-3:~$ sudo nano /usr/share/doc/lxc/examples/lxc-veth.conf
migel@Linux-3:~$ echo "lxc.network.type = veth" >> ~/.config/lxc/default.conf
bash: /home/migel/.config/lxc/default.conf: No such file or directory
migel@Linux-3:~$ ls
Desktop  Documents  Downloads  Music  newroot  Pictures  Public  snap  Templates  Videos
migel@Linux-3:~$ sudo lxc-create -n testPC5 -t ubuntu
[sudo] password for migel:
Checking cache download in /var/cache/lxc/jammy/rootfs-amd64 ...
Copy /var/cache/lxc/jammy/rootfs-amd64 to /var/lib/lxc/testPC5/rootfs ...
Copying rootfs to /var/lib/lxc/testPC5/rootfs ...
Generating locales (this might take a while)...
   en_US.UTF-8... done
Generation complete.
Creating SSH2 RSA key; this may take some time ...
3072 SHA256:DOE1tZ+iMDqpVgw/pMS+JpGBHKkbSR67mSHDGN/iWRQ root@Linux-3 (RSA)
Creating SSH2 ECDSA key; this may take some time ...
256 SHA256:i70WTnXudmqf0LpUPXzmEFkQvM40a3wHVHZkJsUBTSU root@Linux-3 (ECDSA)
Creating SSH2 ED25519 key; this may take some time ...
256 SHA256:IEBVV8DiCK5b//PLnxCEbEYWqVcAeYT0t0nItXslwRM root@Linux-3 (ED25519)
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of start.

Current default time zone: 'Etc/UTC'
Local time is now:       Пн 17 июл 2023 04:01:11 UTC.
Universal Time is now:   Mon Jul 17 04:01:11 UTC 2023.

##
# The default user is 'ubuntu' with password 'ubuntu'!
# Use the 'sudo' command to run tasks as root in the container.
##
```


root@testPC5: /

```
testPC3      RUNNING 0      -      -      -      false
testPC4      RUNNING 0      -      10.0.211.124 -      false
testPC5      STOPPED 0      -      -      -      false
migel@Linux-3:~$ sudo lxc-start -n testPC5
migel@Linux-3:~$ systemctl daemon-reload
migel@Linux-3:~$ sudo lxc-ls --fancy
NAME          STATE   AUTOSTART GROUPS IPV4      IPV6 UNPRIVILEGED
test-ubuntu-1 RUNNING 0      -      10.0.3.52 -      false
testPC1       RUNNING 0      -      -      -      false
testPC2       RUNNING 0      -      -      -      false
testPC3       RUNNING 0      -      -      -      false
testPC4       RUNNING 0      -      10.0.211.124 -      false
testPC5       RUNNING 0      -      10.0.121.170 -      false
migel@Linux-3:~$ sudo lxc-attach -n testPC4
root@testPC4:/# ping 10.0.121.170
PING 10.0.121.170 (10.0.121.170) 56(84) bytes of data.
64 bytes from 10.0.121.170: icmp_seq=1 ttl=64 time=0.077 ms
64 bytes from 10.0.121.170: icmp_seq=2 ttl=64 time=0.039 ms
64 bytes from 10.0.121.170: icmp_seq=3 ttl=64 time=0.035 ms
64 bytes from 10.0.121.170: icmp_seq=4 ttl=64 time=0.043 ms
64 bytes from 10.0.121.170: icmp_seq=5 ttl=64 time=0.040 ms
64 bytes from 10.0.121.170: icmp_seq=6 ttl=64 time=0.045 ms
^C
--- 10.0.121.170 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 511ms
rtt min/avg/max/mdev = 0.035/0.046/0.077/0.014 ms
root@testPC4:/# exit
exit
migel@Linux-3:~$ sudo lxc-attach -n testPC5
root@testPC5:/# ping 10.0.211.124
PING 10.0.211.124 (10.0.211.124) 56(84) bytes of data.
64 bytes from 10.0.211.124: icmp_seq=1 ttl=64 time=0.029 ms
64 bytes from 10.0.211.124: icmp_seq=2 ttl=64 time=0.041 ms
64 bytes from 10.0.211.124: icmp_seq=3 ttl=64 time=0.038 ms
^C
--- 10.0.211.124 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2029ms
rtt min/avg/max/mdev = 0.029/0.036/0.041/0.005 ms
root@testPC5:/#
```