

```
migel@Linux-3:~$ sudo apt install lxc debootstrap bridge-utils lxc-templates
```

```
[sudo] password for miguel:
```

```
Reading package lists... Done
```

```
Building dependency tree... Done
```

```
Reading state information... Done
```

```
The following additional packages will be installed:
```

```
  arch-test cloud-image-utils fakechroot ibverbs-providers libaio1 libdaxctl1  
  libdistro-info-perl libfakechroot libfuse2 libgfs2 libgfs2-utils libgfs2  
  libglusterfs0 libibverbs1 libiscsi7 liblxc-common liblxc1 libndctl6  
  libpam-cgfs libpam1 libpamlib1 librados2 librbd1 librdmcc1 liburing2  
  lxc-utils lxcfs mmdebstrap qemu-block-extra qemu-utils uidmap
```

```
Suggested packages:
```

```
  ifupdown mtools squid-deb-proxy-client debian-archive-keyring  
  qemu-user-static btrfs-tools lvm2 lxcctl apt-transport-tor binfmt-support  
  genext2fs perl-doc proot qemu-user squashfs-tools-ng
```

```
The following NEW packages will be installed:
```

```
  arch-test bridge-utils cloud-image-utils debootstrap fakechroot  
  ibverbs-providers libaio1 libdaxctl1 libdistro-info-perl libfakechroot  
  libfuse2 libgfs2 libgfs2-utils libgfs2 libglusterfs0 libibverbs1 libiscsi7  
  liblxc-common liblxc1 libndctl6 libpam-cgfs libpam1 libpamlib1 librados2  
  librbd1 librdmcc1 liburing2 lxc lxc-utils lxcfs mmdebstrap  
  qemu-block-extra qemu-utils uidmap
```

```
0 upgraded, 35 newly installed, 0 to remove and 128 not upgraded.
```

```
Need to get 11,8 MB of archives.
```

```
After this operation, 48,2 MB of additional disk space will be used.
```

```
Do you want to continue? [Y/n] y
```

```
Get:1 http://ru.archive.ubuntu.com/ubuntu jammy/universe amd64 arch-test all 0.17-2 [12,5 kB]  
Get:2 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 bridge-utils amd64 1.7-1ubuntu3 [34,4 kB]  
Get:3 http://ru.archive.ubuntu.com/ubuntu jammy/universe amd64 libfakechroot amd64 2.20.1+ds-2 [47,4 kB]  
Get:4 http://ru.archive.ubuntu.com/ubuntu jammy/universe amd64 fakechroot all 2.20.1+ds-2 [25,2 kB]  
Get:5 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libibverbs1 amd64 39.0-1 [69,3 kB]  
Get:6 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 ibverbs-providers amd64 39.0-1 [341 kB]  
Get:7 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libaio1 amd64 0.3.112-13build1 [7 176 B]  
Get:8 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libdaxctl1 amd64 72.1-1 [19,8 kB]  
Get:9 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libdistro-info-perl all 1.1build1 [5 644 B]  
Get:10 http://ru.archive.ubuntu.com/ubuntu jammy/universe amd64 libfuse2 amd64 2.9.9-5ubuntu3 [90,3 kB]  
Get:11 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libgfs2 amd64 10.1-1ubuntu0.1 [22,2 kB]  
Get:12 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libglusterfs0 amd64 10.1-1ubuntu0.1 [286 kB]  
Get:13 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libgfs2-utils amd64 10.1-1ubuntu0.1 [47,1 kB]  
Get:14 http://ru.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libgfs2 amd64 10.1-1ubuntu0.1 [77,3 kB]  
Get:15 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 librdmcc1 amd64 39.0-1 [71,2 kB]  
Get:16 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libiscsi7 amd64 1.19.0-3build2 [70,6 kB]  
Get:17 http://ru.archive.ubuntu.com/ubuntu jammy/universe amd64 liblxc1 amd64 1:5.0.0~git2209-g5a7b9ce67-0ubuntu1 [356 kB]  
Get:18 http://ru.archive.ubuntu.com/ubuntu jammy/universe amd64 liblxc-common amd64 1:5.0.0~git2209-g5a7b9ce67-0ubuntu1 [460 kB]  
Get:19 http://ru.archive.ubuntu.com/ubuntu jammy/main amd64 libndctl6 amd64 72.1-1 [57,7 kB]  
Get:20 http://ru.archive.ubuntu.com/ubuntu jammy/universe amd64 libpam-cgfs amd64 1:5.0.0~nit2209-g5a7b9ce67-0ubuntu1 [25,5 kB]
```

migel@Linux-3: ~

```
migel@Linux-3:~$ sudo lxc-create -n test-ubuntu-1 -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/test-ubuntu-1/rootfs ...
Copying rootfs to /var/lib/lxc/test-ubuntu-1/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:U0f0aPI0x00raYnK+OXAZ+Qzj18NkuMBtGG51T932Xw root@Linux-3 (RSA)
Creating SSH2 ECDSA key; this may take some time ...
256 SHA256:D/R0jcydmXKTql1CufxcitUpTF9fFzmjtpXp6dbUJEQ root@Linux-3 (ECDSA)
Creating SSH2 ED25519 key; this may take some time ...
256 SHA256:G8Gaw8GkNXraACopDgbYJsgasmX0/XVsqxVr0eqjBxs 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:      Bc 16 июл 2023 16:07:19 UTC.
Universal Time is now:  Sun Jul 16 16:07:19 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-start -n test-ubuntu-1
migel@Linux-3:~$ sudo lxc-attach -n test-ubuntu-1
root@test-ubuntu-1:/# root@test-ubuntu-1:/# ls -l
bash: root@test-ubuntu-1:/#: No such file or directory
root@test-ubuntu-1:/# ls -l
total 44
lrwxrwxrwx 1 root root 7 июл 16 14:59 bin -> usr/bin
drwxr-xr-x 2 root root 4096 апр 18 2022 boot
drwxr-xr-x 7 root root 540 июл 16 16:07 dev
drwxr-xr-x 63 root root 4096 июл 16 16:07 etc
drwxr-xr-x 3 root root 4096 июл 16 16:07 home
lrwxrwxrwx 1 root root 7 июл 16 14:59 lib -> usr/lib
```

```
migel@Linux-3:~$ sudo lxc-attach -n test-ubuntu-1
```

```
root@test-ubuntu-1:/# ls -l
```

```
total 44
```

```
lrwxrwxrwx 1 root root 7 июл 16 14:59 bin -> usr/bin
drwxr-xr-x 2 root root 4096 апр 18 2022 boot
drwxr-xr-x 7 root root 540 июл 16 16:07 dev
drwxr-xr-x 63 root root 4096 июл 16 16:07 etc
drwxr-xr-x 3 root root 4096 июл 16 16:07 home
lrwxrwxrwx 1 root root 7 июл 16 14:59 lib -> usr/lib
lrwxrwxrwx 1 root root 9 июл 16 14:59 lib32 -> usr/lib32
lrwxrwxrwx 1 root root 9 июл 16 14:59 lib64 -> usr/lib64
lrwxrwxrwx 1 root root 10 июл 16 14:59 libx32 -> usr/libx32
drwxr-xr-x 2 root root 4096 июл 16 14:59 media
drwxr-xr-x 2 root root 4096 июл 16 14:59 mnt
drwxr-xr-x 2 root root 4096 июл 16 14:59 opt
dr-xr-xr-x 299 root root 0 июл 16 16:07 proc
drwx----- 2 root root 4096 июл 16 16:12 root
drwxr-xr-x 14 root root 420 июл 16 16:07 run
lrwxrwxrwx 1 root root 8 июл 16 14:59 sbin -> usr/sbin
drwxr-xr-x 2 root root 4096 июл 16 14:59 srv
dr-xr-xr-x 13 root root 0 июл 16 16:07 sys
drwxrwxrwt 9 root root 4096 июл 16 16:08 tmp
drwxr-xr-x 14 root root 4096 июл 16 14:59 usr
drwxr-xr-x 11 root root 4096 июл 16 14:59 var
```

```
root@test-ubuntu-1:/# free -m
```

	total	used	free	shared	buff/cache	available
Mem:	3911	27	3880	0	4	3884
Swap:	0	0	0			

```
root@test-ubuntu-1:/# exit
```

```
exit
```

```
migel@Linux-3:~$ free -m
```

	total	used	free	shared	buff/cache	available
Mem:	3911	1006	179	32	2725	2602
Swap:	2679	2	2677			

```
migel@Linux-3:~$ sudo lxc-cgroup -n test-ubuntu-1 memory.max 256M
```

```
migel@Linux-3:~$ free -m
```

	total	used	free	shared	buff/cache	available
Mem:	3911	1008	177	32	2725	2601
Swap:	2679	2	2677			

migel@Linux-3: ~

```
lrwxrwxrwx 1 root root 9 июл 16 14:59 lib64 -> usr/lib64
lrwxrwxrwx 1 root root 10 июл 16 14:59 libx32 -> usr/libx32
drwxr-xr-x 2 root root 4096 июл 16 14:59 media
drwxr-xr-x 2 root root 4096 июл 16 14:59 mnt
drwxr-xr-x 2 root root 4096 июл 16 14:59 opt
dr-xr-xr-x 299 root root 0 июл 16 16:07 proc
drwx----- 2 root root 4096 июл 16 16:12 root
drwxr-xr-x 14 root root 420 июл 16 16:07 run
lrwxrwxrwx 1 root root 8 июл 16 14:59 sbin -> usr/sbin
drwxr-xr-x 2 root root 4096 июл 16 14:59 srv
dr-xr-xr-x 13 root root 0 июл 16 16:07 sys
drwxrwxrwt 9 root root 4096 июл 16 16:08 tmp
drwxr-xr-x 14 root root 4096 июл 16 14:59 usr
drwxr-xr-x 11 root root 4096 июл 16 14:59 var
```

```
root@test-ubuntu-1:/# free -m
              total        used        free      shared  buff/cache   available
Mem:           3911           27        3880           0         4         3884
Swap:              0              0              0
root@test-ubuntu-1:/# exit
exit
```

```
migel@Linux-3:~$ free -m
              total        used        free      shared  buff/cache   available
Mem:           3911        1006          179          32        2725        2602
Swap:          2679           2        2677
```

```
migel@Linux-3:~$ sudo lxc-cgroup -n test-ubuntu-1 memory.max 256M
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```
migel@Linux-3:~$ free -m
              total        used        free      shared  buff/cache   available
Mem:           3911        1008          177          32        2725        2601
Swap:          2679           2        2677
```

```
migel@Linux-3:~$ sudo lxc-attach -n test-ubuntu-1
```

```
root@test-ubuntu-1:/# free -m
              total        used        free      shared  buff/cache   available
Mem:             256           27          224           0         4         228
Swap:              0              0              0
```

```
root@test-ubuntu-1:/# exit
exit
migel@Linux-3:~$ sudo lxc-ls
- test-ubuntu-1 test-ubuntu-1
migel@Linux-3:~$
```