

Static IP Address with LXD 2.x

Similar to LXC, LXD 2.x can also assign static IP addresses. Almost similar approach but the files are slightly different.

Also note as of [LXD 2.3](#) there **may be networking tools that take care of this**. Not looking into 2.3 details yet as Ubuntu Server 16.04.2 LTS is packaged with 2.0.9.

You may also set some of the range setting when the network is being setup on running of the **lxd init** command.

Also, change the default DHCP range,

```
# NOTE you can't use these commands as is... because "lxd init" randomly
picks the ip subnet.
# When time permits can create scripts on top to compensate.
sudo sed -i
's/LXD_IPV4_DHCP_RANGE="10.232.27.2,10.232.27.254"/LXD_IPV4_DHCP_RANGE="10
.232.27.100,10.232.27.254"' /etc/default/lxd-bridge
sudo sed -i 's/LXD_IPV4_DHCP_MAX="252"/LXD_IPV4_DHCP_MAX="154"'
/etc/default/lxd-bridge
```

This will make available 10.232.27.3 to 10.232.27.99.

Create a dnsmasq.conf file where you may reserve IP Addresses based on server names,

... refer to the [LXC instructions](#) until incorporated here...

Modify /etc/default/lxd-bridge to reference an external **dnsmasq.conf** file,

```
sudo cp /etc/default/lxd-bridge /etc/default/lxd-bridge.ori
# This line does not work yet, I need lookup how to escape the /.
# EDIT: should work now - samir
sudo sed -i 's/LXD_CONFFILE=""/LXD_CONFFILE="/opt/lxd/dnsmasq.conf"/'
/etc/default/lxd-bridge
```

Restart the services to make sure things went well,

```
sudo service lxd-bridge stop
sudo service lxd-bridge start
```

Reference

<http://jason.trickett.us/2016/08/lxd-containers-static-ip-addresses-heres/> - Source article for this but missing some details on changing the default range otherwise you'll end up with collisions.