

# LXD-LTS

Daemon based on liblxc offering a REST API to manage containers

<b>runtime dependencies</b>	dnsmasq (Networking applications)
	iptables (Networking applications)
	libuv (Libraries/Other)
	lxcfs (System tools)
	lxc (System tools)
	squashfs (Filesystem and flash utilities)
	dqlite
<b>make dependencies</b>	apparmor (Security)
	git (Development tools)
	lxc (System tools)
	dqlite
	go
	libuv1-dev
	libsqlite3-dev

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lxd-lts
├── dnsmasq (Networking applications)
├── iptables (Networking applications)
├── libuv (Libraries/Other)
├── lxcfs (System tools)
├── lxc (System tools)
├── squashfs (Filesystem and flash utilities)
├── dqlite (Custom)
│   ├── libuv (Libraries/Other)
│   ├── sqlite (Libraries/Database)
│   └── raft (Custom)
│       └── libuv (Libraries/other)

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mkdir /data/buildroot/package/lxd-lts
cat > /data/buildroot/package/lxd-lts/Config.in<< 'EOF'
config BR2_PACKAGE_LXD_LTS
    bool "lxd-lts"
    depends on BR2_PACKAGE_LXC
    depends on BR2_PACKAGE_SQUASHFS
    depends on BR2_PACKAGE_DNSMASQ
    depends on BR2_PACKAGE_DQLITE
    select BR2_PACKAGE_GO
    help
        REST API, command line tool and OpenStack integration plugin for
LXC.
EOF

cat > /data/buildroot/package/lxd-lts/lxd-lts.mk<< 'EOF'
#####
#
# lxd-lts
#

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#####
LXD_LTS_VERSION = 4.24
LXD_LTS_SITE     = $(call github,lxc,lxd,$(LXD_LTS_VERSION))

$(eval $(golang-package))
EOF

cat > /data/buildroot/package/lxd-lts/lxd-lts.mk<< 'EOF'
#####
#
# lxd-lts
# https://github.com/lxc/$_gitpkgname/archive/$_gitpkgname-$pkgver.tar.gz
# md5sums=                'cd7a65106aa7205081646bd7cb96610a'
# + "lxd.service"        'a95280cf05920bd561cae451acb5b27d'
# + "lxd.socket"         'dfa7033fc39632af0f2c7e26ee966789'
# + "dnsmasq-lxd.conf"   'b1fd16933c1b24aaa9ccc8f5a0e6478c'
# + "dnsmasq@lxd.service" '15ae1bc51684d611bded2839ca55a37b'
# + "lxd.netctl"         '52c641ea0ba5477f5c1a1b857c03dda9'
# + "dbus-dnsmasq-lxd.conf" 'c86b8c441ab014340186acc7799096f2'
# + "networkmanager-dnsmasq-lxd.conf" '427926fddb1537f7a65d0a7274106df5'
#####
LXD_LTS_VERSION = 4.24
LXD_LTS_SOURCE  = lxd-$(LXD_LTS_VERSION).tar.gz
LXD_LTS_SITE    = https://github.com/lxc/lxd/archive/refs/tags

LXD_LTS_DEPENDENCIES = lxc squashfs dnsmasq dqlite
LXD_LTS_BIN_ARCH_EXCLUDE = /usr/lib

define LXD_LTS_CONFIGURE_CMDS
    wget https://go.dev/dl/go1.18.linux-arm64.tar.gz -O /go1.18.linux-
arm64.tar.gz
    cd / &&\
    tar -zxf go1.18.linux-arm64.tar.gz && \
    mkdir $(@D)/go
    export PATH=$(PATH):/go/bin
endef

define LXD_LTS_BUILD_CMDS
    cd "$(@D)/" && \
    git clone https://aur.archlinux.org/lxd-lts.git && \
    GOROOT=/go GOPATH=$(@D)/go
PKG_CONFIG_PATH="$(STAGING_DIR)/usr/lib/pkgconfig/" make
endef

define LXD_LTS_INSTALL_TARGET_CMDS
    mkdir -p "$(TARGET_DIR)/usr/bin"
    mkdir -p "$(TARGET_DIR)/usr/lib/lxd"
    mkdir -p "$(TARGET_DIR)/usr/share/bash-completion/completions"
    install -p -m755 "/go/bin/"* "$(TARGET_DIR)/usr/bin"
    install -p -m755 "$(@D)/go/bin/"* "$(TARGET_DIR)/usr/bin"
    install -D -m644 "$(@D)/lxd-lts/lxd.service" \

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"$(TARGET_DIR)/usr/lib/systemd/system/lxd.service"
install -D -m644 "$(@D)/lxd-lts/lxd.socket" \
  "$(TARGET_DIR)/usr/lib/systemd/system/lxd.socket"
install -p -m755 "$(@D)/scripts/bash/lxd-client" \
  "$(TARGET_DIR)/usr/share/bash-completion/completions/lxd"
mkdir -p "$(TARGET_DIR)/usr/share/lxd/"
mkdir -p "$(TARGET_DIR)/usr/share/lxd/systemd/system/"
mkdir -p "$(TARGET_DIR)/usr/share/lxd/netctl/"
mkdir -p "$(TARGET_DIR)/usr/share/lxd/dbus-1/system.d/"
mkdir -p "$(TARGET_DIR)/usr/share/lxd/NetworkManager/dnsmasq.d/"
install -Dm644 "$(@D)/lxd-lts/dnsmasq-lxd.conf" \
  "$(TARGET_DIR)/usr/share/lxd/dnsmasq-lxd.conf"
install -Dm644 "$(@D)/lxd-lts/dnsmasq@lxd.service" \
  "$(TARGET_DIR)/usr/share/lxd/systemd/system/dnsmasq@lxd.service"
install -Dm644 "$(@D)/lxd-lts/lxd.netctl" \
  "$(TARGET_DIR)/usr/share/lxd/netctl/lxd"
install -Dm644 "$(@D)/lxd-lts/dbus-dnsmasq-lxd.conf" \
  "$(TARGET_DIR)/usr/share/lxd/dbus-1/system.d/dnsmasq-lxd.conf"
install -Dm644 "$(@D)/lxd-lts/networkmanager-dnsmasq-lxd.conf" \
  "$(TARGET_DIR)/usr/share/lxd/NetworkManager/dnsmasq.d/lxd.conf"
endif

$(eval $(generic-package))
EOF

sed -i '/menu "Custom packages"/a source "package/lxd-lts/Config.in"'
/data/buildroot/package/Config.in
```

From:

<http://www.ouarte.garden/> - **dwndoc**

Permanent link:

<http://www.ouarte.garden/doku.php?id=buildroot:lxd-lts>

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