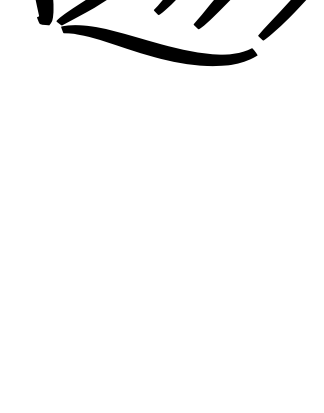


DEV ENVS

w/

LXC & **ANSIBLE**
CONTAINERS

@enricosfano



1 HOST

MANY

DEV

PROJECTS

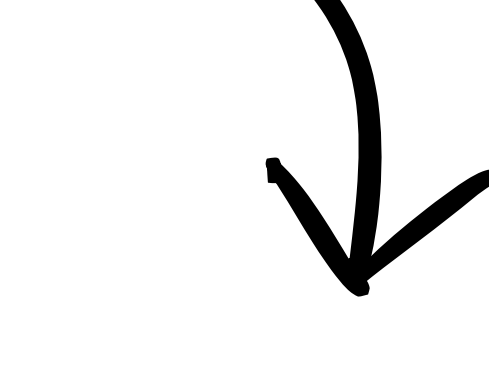


BREAK

DEPENDENCIES

```
/dev  
/project_1  
  /backend  
  /frontend  
/project_2
```

HOST
UPDATE



DEPENDENCY

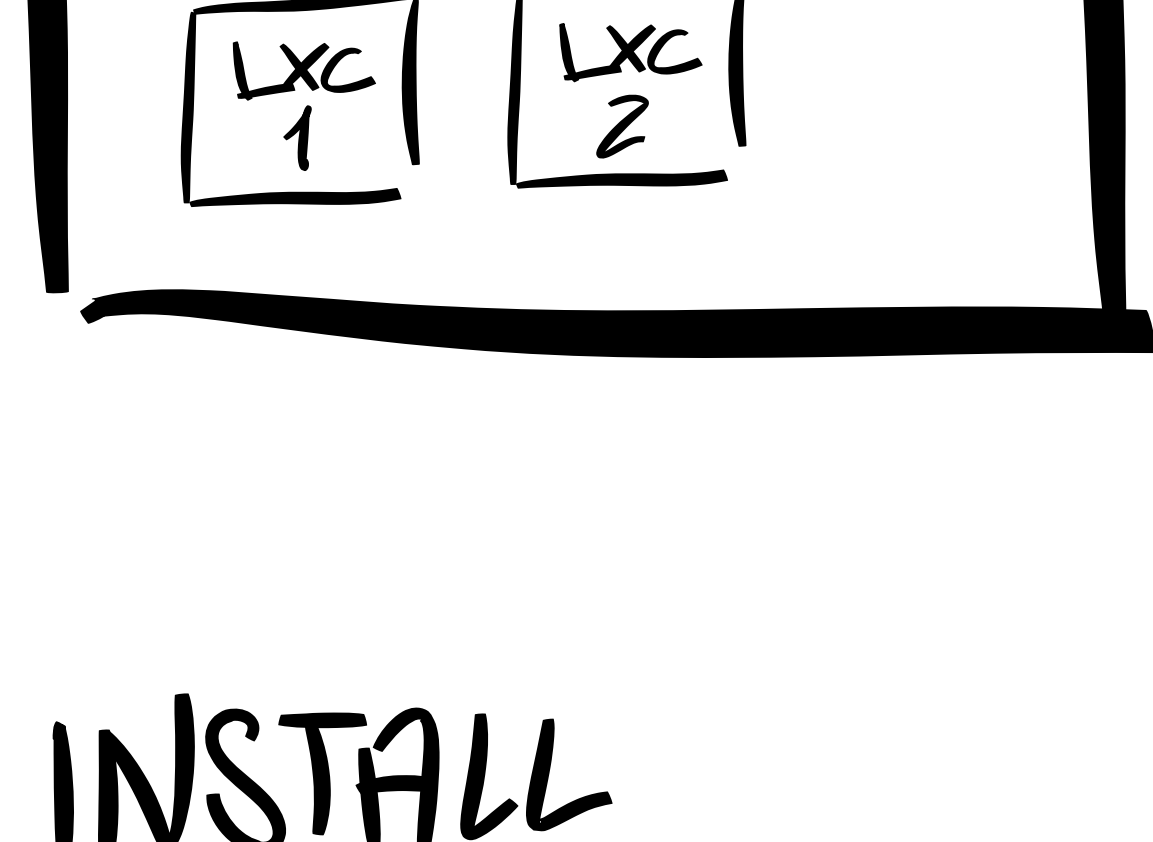
CONFLICTS

GNU/LINUX ?

LXC

CONTAINERS

HOST



INSTALL

```
> sudo pacman -S lxc
```

NETWORKING

LXC-NET

(UBUNTU)

- NAT BRIDGE
- IPTABLES
- IP FORWARDING
- DNSMASQ

SHARED
FILESYSTEM

```
# ubuntu.custom.conf  
# Network configuration  
lxc.network.type = veth  
lxc.network.link = br0  
lxc.network.flags = up  
  
# Shared filesystem  
lxc.mount.entry = /home/dev/project_1/backend /var/lib/lxc/project_1_dev/rootfs/home/ubuntu/backend none bind,create=dir 0 0  
lxc.mount.entry = /home/dev/project_1/frontend /var/lib/lxc/project_1_dev/rootfs/home/ubuntu/frontend none bind,create=dir 0 0
```

HOST

CONTAINER

CREATE

```
> sudo lxc-create -n project_1_dev -f ubuntu.custom.conf -t /usr/share/lxc/templates/lxc-ubuntu -- --release trusty
```

START

```
> sudo lxc-start -n project_1_dev
```

```
> sudo lxc-ls --fancy
```

NAME	STATE	IPV4	IPV6	GROUPS	AUTOSTART
project_1_dev	RUNNING	10.0.3.10	-	-	NO

STOP

```
> sudo lxc-stop -n project_1_dev
```

PROVISIONING

w/

ANSIBLE

```
# /etc/ansible/hosts
```

```
[development]  
10.0.3.10
```

```
> ssh-copy-id ubuntu@10.0.3.10
```

```
> ssh ubuntu@10.0.3.10
```

PYTHON2

```
> ansible-playbook development.yml
```