

How to create a XEN dom0 with Buster

Follow these instructions to create a XEN dom0 from scratch that uses pvgrub.

Prerequisites

1. Debian Buster
2. Internet

Create dom0

1. Install the xen-system package:

```
apt-get install xen-system-amd64 -y
```

2. Create the bridged network:

```
apt-get install bridge-utils -y
cat /etc/network/interfaces.d/xen
auto xenbr0
iface xenbr0 inet dhcp
bridge_ports enp2s0
```

3. Install and configure xen-tools:

```
apt-get install xen-tools
##Edit /etc/xen-tools/xen-tools.conf

dir = /home/bl/ ##Change to your normal user
passwd = 1      ##This enables a private root password for each domU
```

4. Create a trial domU:

```
xen-create-image --hostname trial.blue.av --vcpus 2 --pygrub --dist buster
xen create /etc/xen/trial.blue.av.cfg
```

Use PVgrub instead of pygrub

1. Boot the image using pygrub first then run these commands:

```
mkdir /boot/grub
apt-get install linux-image-amd64
apt-get install grub2-common
update-grub
```

2. Destroy the container:

```
xen destroy $id ##where $id is the id of the container, you can find the id of the container using the
command 'xen list'
```

3. Change parameters in the config file:

```
##Change from

bootloader = 'pygrub'

##To

kernel      = /usr/lib/grub-xen/grub-x86_64-xen.bin
```

4. Recreate the container:

```
xen create /etc/xen/trial.blue.av.cfg
```



Common issues

If grub fails to load after changing from bootloader to kernel, you have missed step #1 or it has not been done properly.



Source

<https://wiki.debian.org/Xen>