

Maxwell Service

Install

```
sudo yum install -y hubzero-mw2-exec-service
sudo yum install -y hubzero-mw2-iptables-basic
sudo service hubzero-mw2-iptables-basic start
sudo chkconfig hubzero-mw2-iptables-basic on
```

Configure

```
sudo mkvztemplate amd64 wheezy ellie
```

```
sudo hzcms configure mw2-service --enable
sudo hzcms mw-
host add localhost up openvz pubnet sessions workspace fileserver
```

Test

```
sudo maxwell_service startvnc 1 800x600 24
```

Enter an 8 character password when prompted (e.g., "testtest")

This should result in a newly create OpenVZ session with an instance of a VNC server running inside of it. The output of the above command should look something like:

```
Reading passphrase:
testtest
===== begin /etc/vz/conf/hub-
session-5.0-amd64.umount =====
```

```
Removing /var/lib/vz/root/1 :root etc var tmp dev/shm dev
===== end /etc/vz/conf/hub-
```

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```
session-5.0-amd64.umount =====
stunnel already running
Starting VE ...
===== begin /etc/vz/conf/1.mount =====
=====
Removing and repopulating: root etc var tmp dev
Mounting: /var/lib/vz/template/debian-5.0-amd64-maxwell home apps
===== end /etc/vz/conf/1.mount =====
=====
VE is mounted
Setting CPU units: 1000
Configure meminfo: 2000000
VE start in progress...
TIME: 0 seconds.
Waiting for container to finish booting.
/usr/lib/mw/startxvnc: Becoming nobody.
/usr/lib/mw/startxvnc: Waiting for 8-byte vncpasswd and EOF.
1+0 records in
1+0 records out
8 bytes (8 B) copied, 3.5333e-05 s, 226 kB/s
Got the vncpasswd
Adding auth for 10.51.0.1:0 and 10.51.0.1/unix:0
xauth: creating new authority file Xauthority-10.51.0.1:0
Adding IP address(es): 10.51.0.1
if-up.d/mountnfs[venet0]: waiting for interface venet0:0 before doing
NFS mounts (warning).
WARNING: Settings were not saved and will be resetted to original valu
es on next start (use --save flag)
```

```
sudo vzlist
      VEID      NPROC STATUS  IP_ADDR      HOSTNAME
      1          6 running 10.51.0.1    -
```

```
sudo openssl s_client -connect localhost:4001
```

This should report an SSL connection with a self signed certificate and output text should end

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with:

```
---  
RFB 003.008
```

If you see this then you successfully connected to the VNC server running inside the newly created OpenVZ session.

Clean up

```
sudo maxwell_service stopvnc 1
```

Which should give output similar to:

```
Killing 6 processes in veid 1 with signal 1  
Killing 7 processes in veid 1 with signal 2  
Killing 5 processes in veid 1 with signal 15  
Got signal 9  
Stopping VE ...  
VE was stopped  
===== begin /etc/vz/conf/1.umount =====  
=====  
Unmounting /var/lib/vz/root/1/usr  
Unmounting /var/lib/vz/root/1/home  
Unmounting /var/lib/vz/root/1/apps  
Unmounting /var/lib/vz/root/1/.root  
  
Removing /var/lib/vz/root/1 :root etc var tmp dev/shm dev  
Removing /var/lib/vz/private/1: apps bin emul home lib lib32 lib64 mnt  
  opt proc sbin sys usr .root  
===== end /etc/vz/conf/1.umount =====  
=====  
VE is unmounted
```