

# Maxwell Service

## Install

```
# apt-get install -y hubzero-mw-service
```

## Configure

For Debian 7 session containers:

```
# mkvztemplate amd64 wheezy shira
```

For Debian 6 session containers:

```
# mkvztemplate amd64 squeeze shira
```

Then run:

```
# hzcms configure mw-service --enable
```

## Test

```
# 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:

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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-  
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)

# vzlist

VEID	NPROC	STATUS	IP_ADDR	HOSTNAME
1	6	running	10.51.0.1	-

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

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

```
# 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
```

