Maxwell Service

Install

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

Configure

```
# mkvztemplate amd64 squeeze manny
```

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

Test

This test will show a failure the first time it is run. After the first session is created additional sessions should start without error. Be sure to stop each session you start using this test (as described below).

```
# 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-
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       -



# 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
```