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Managing OpenVZ With The WebVZ Control Panel On Debian Lenny

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This guide explains how you can install **WebVZ** on a Debian Lenny OpenVZ host. WebVZ is a light web-based control panel for OpenVZ. It has its own web server (Webrick) and database engine (SQLITE 3).

I do not issue any guarantee that this will work for you!

1 Preliminary Note

I'm using a Debian Lenny server with the hostname *server1.example.com* and the IP address *192.168.0.100* here.

I'm assuming that OpenVZ is already installed on working on the server, e.g. as shown in this tutorial: **Installing And Using OpenVZ On Debian Lenny (AMD64)**

2 Installing WebVZ

First we install some prerequisites:

```
apt-get install ruby rubygems libsqlite3-ruby sqlite3 irb1.8 libopenssl-ruby1.8 libreadline-ruby1.8 rdoc1.8
```

WebVZ needs Rails version 2.1.0 which we install as follows:

```
gem install -v=2.1.0 rails
```

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Next we download and install WebVZ in the directory */usr/local/webvz*:

```
cd /usr/local

wget http://dfn.dl.sourceforge.net/sourceforge/webvz/webvz.2.0.tar.gz

tar xvfz webvz.2.0.tar.gz

mv webvz.2.0 webvz

cd webvz
```

```
ln -s /var/lib/vz /vz

ln -s /usr/bin/irb1.8 /usr/bin/irb

mkdir /etc/sysconfig

ln -s /etc/vz/conf /etc/sysconfig/vz-scripts
```

That's it - now we can install WebVZ as follows (you must still be in the */usr/local/webvz* directory):

```
ruby script/server
```

You should see something like this:

```
server1:~/webvz.2.0# ruby script/server
  => Booting WEBrick...
  => Rails 2.1.0 application started on http://0.0.0.0:3000
  => Ctrl-C to shutdown server; call with --help for options
```

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```
  [2009-02-09 19:55:04] INFO WEBrick 1.3.1
  [2009-02-09 19:55:04] INFO ruby 1.8.7 (2008-08-11) [x86_64-linux]
[2009-02-09 19:55:04] INFO WEBrick::HTTPServer#start: pid=3106 port=3000
```

(Please note that the input prompt will not return until you press `CTRL+D`, but that would also terminate WebVZ. I will address this issue in a moment. For now we leave WebVZ running.)

3 Using WebVZ

Now open a browser and go to `http://server1.example.com:3000` or `http://192.168.0.100:3000` and log in with the username `admin` and the password `admin123`:

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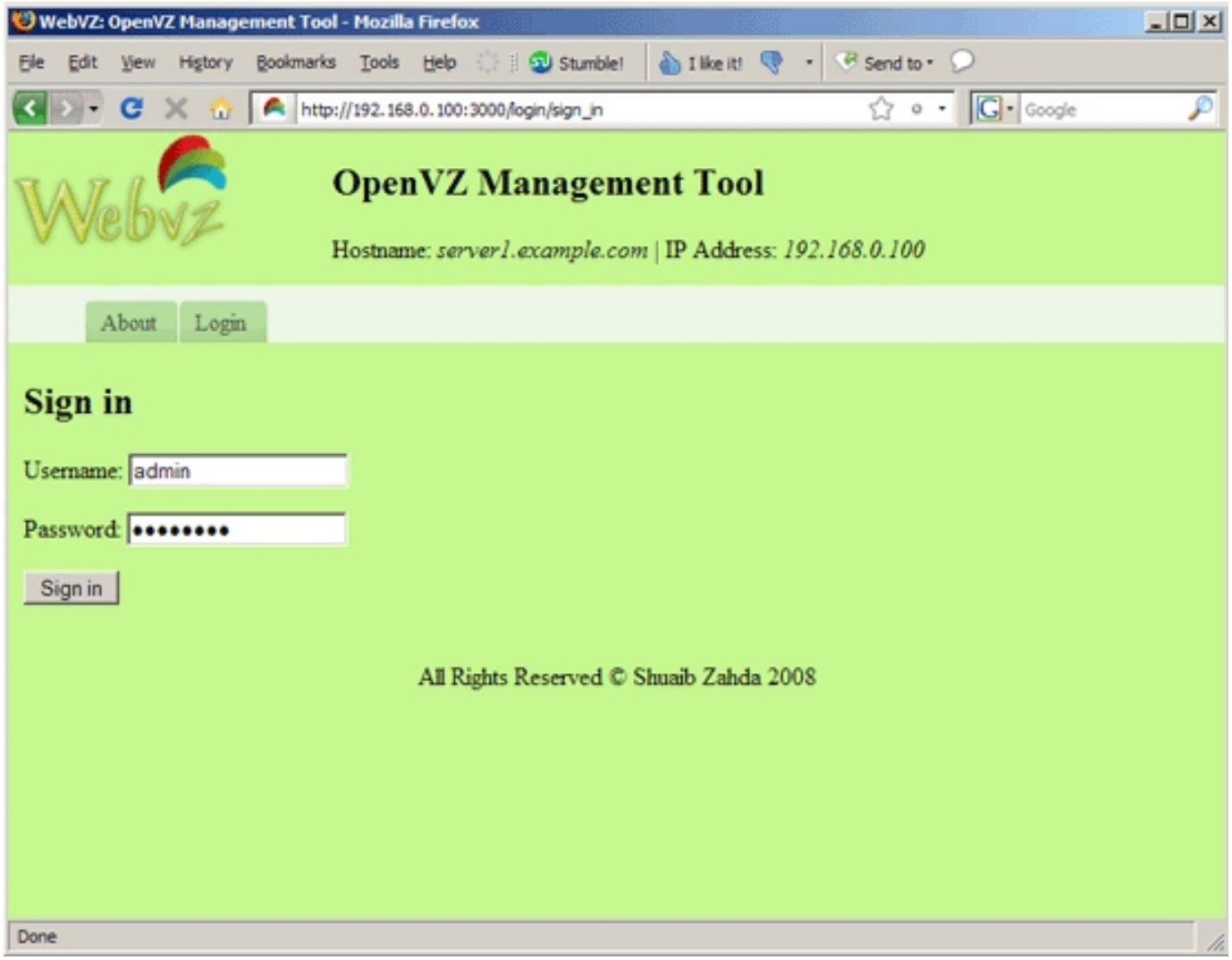
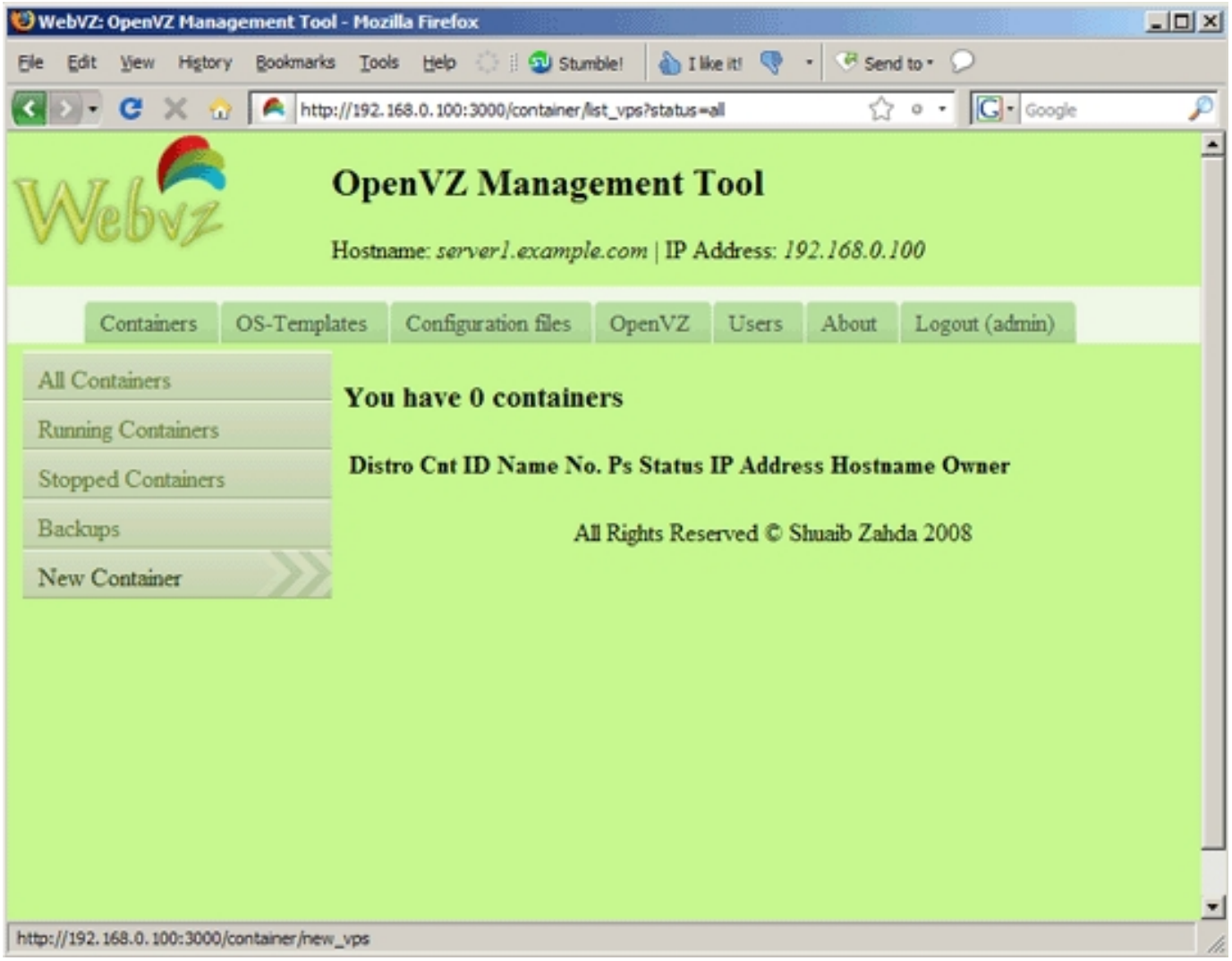


After the first login, go to the *Users* tab and change your password:

WebVZ: OpenVZ Management Tool - Mozilla Firefox
File Edit View History Bookmarks Tools Help Stumble! I like it! Send to
http://192.168.0.100:3000/user/list
Google
OpenVZ Management Tool
Hostname: server1.example.com | IP Address: 192.168.0.100
Containers OS-Templates Configuration files OpenVZ Users About Logout (admin)
List Users
Activated Users
Deactivated Users
New User
Listing users
Name Username Authority
Administrator admin admin Edit Change Password
All Rights Reserved © Shuaib Zahda 2008
http://192.168.0.100:3000/user/change_password/1

The *OS-Templates* tab displays a list of currently installed operating system templates for OpenVZ:

To create a new container, go to *`Containers > New Container`*...



... and complete the following form:

The container will then be created. Afterwards, you can manage it from WebVZ:

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4 Running WebVZ As A Daemon

As I mentioned at the end of chapter 2, as soon as you press `CTRL+D` or close the command line window, the WebVZ process is killed. Of course, this is not

what we want. We can make WebVZ run as a daemon as follows:

```
cd /usr/local/webvz/

ruby script/server &>/dev/null &
```

If you want WebVZ to be started at boot time, you can edit */etc/rc.local*...

```
vi /etc/rc.local
```

... and add the line *cd /usr/local/webvz/ && /usr/bin/ruby script/server &>/dev/null &* before the *exit 0* line:

```
#!/bin/sh -e
#
# rc.local
#
# This script is executed at the end of each multiuser runlevel.
# Make sure that the script will "exit 0" on success or any other
# value on error.
#
# In order to enable or disable this script just change the execution
# bits.
#
# By default this script does nothing.

cd /usr/local/webvz/ && /usr/bin/ruby script/server &>/dev/null &

exit 0
```

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5 Links

- WebVZ: **http://webvz.sourceforge.net/index.html**
- OpenVZ: **http://wiki.openvz.org/**
- Debian: **http://www.debian.org/**

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