By SnApO
Published: 2008-05-27 13:34

Get WebVZ On Debian Etch To Administrate OpenVZ 1.0 Information:

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Date: 22. May 2008
Content: Management-Tool WebVZ

1.1 Beginnings:

First you must have OpenVZ installed and configured. You can find a tutorial to do this on HowtoForge. Because of a small problem/error in Debian Etch, it is not possible to update the Rubygems system because a Require in the gems is missing. But we can solve it with a simple edit of the file. WebVZ is one of the simplest and most powerful web management tools for OpenVZ.

2.0 Needed Packages:

We must install some additional packages to get WebVZ running. WebVZ does not need a web server, because they deliver it with WebRick.

Let's start...

```
main:~/webvz.1.5# apt-get install ruby rubygems libsqlite3-ruby sqlite3 irb1.8 libopenssl-ruby1.8 libreadline-ruby1.8 rdoc1.8 nano
```

You must say **Yes** to the installation.

2.1 Solve Debian error

To solve the error on Debian, so that we can update gems you must do the following:

```
main:~# nano /usr/bin/gem
```

Edit the file so that it looks like this:

```
#!/usr/bin/env ruby
#--
# Copyright 2006 by Chad Fowler, Rich Kilmer, Jim Weirich and others.
# All rights reserved.
# See LICENSE.txt for permissions.
#++
require 'rubygems'
require 'rubygems/gem_runner'
require 'rubygems/open-uri'
Gem.manage_gems
required_version = Gem::Version::Requirement.new(">= 1.8.0")
unless  required_version.satisfied_by?(Gem::Version.new(RUBY_VERSION))
  puts "Expected Ruby Version #{required_version}, was #{RUBY_VERSION}"
  exit(1)
end
# We need to preserve the original ARGV to use for passing gem options
# to source gems.  If there is a -- in the line, strip all options after
# it...its for the source building process.
args = !ARGV.include?("--") ? ARGV.clone : ARGV[0...ARGV.index("--")]
Gem::GemRunner.new.run(args)
```

Save the File with CTRL + X and type Y to Save.

2.2 Update Gems

Type in your console the following to update Gems, without the update WebVZ doesn't run....

```
main:~# gem update --system
```

You need to install Rails 2.0.2:

```
main:~# gem install -v=2.0.2 rails
```

3.0 Configuring WebVZ

Use the following commands to get WebVZ:

```
main:~# wget http://garr.dl.sourceforge.net/sourceforge/webvz/webvz.1.5.tar.gz
```

Extract the downloaded archive:

```
main:~# tar -xzvf webvz.1.5.tar.gz
```

Go into the WebVZ directory:

```
main:~# cd webvz.1.5
```

Because of some small changes on the Debian System we need to set some softlinks in our system. Do it exactly as shown, otherwise WebVZ is not usable:

```
main:~/WebVZ# ln -s /var/lib/vz /vz
main:~/WebVZ# ln -s /usr/bin/irb1.8 /usr/bin/irb
main:~/WebVZ# ln -s /etc/vz/conf/ /etc/sysconfig/vz-scripts
```

3.1 Starting and Setting up WebVZ

To start WebVZ you can start the server with this command. You can put it in your init.d or startup scripts.... what you like.

```
main:~/WebVZ# ruby script/server
```

If all is well a message will come and say Webrick is started on port 3000.

Now we must connect with a web browser to *http://[youripaddress]:3000.* Log in with

```
Username: admin
Passwort: admin123
```

First of all to secure WebVZ, we need to create an own account. Log in with your account details and destroy the admin account.

4.0 Links

Debian: **http://www.debian.org**
OpenVZ: **http://openvz.org**
WebVZ: **http://webvz.sourceforge.net**