

Install VirtualBox 4.3 with phpvirtualbox on OmniOS

The following setup was successfully tested on a HP ProLiant Microserver N54L.

In this special case I used default user / password authentication, surely this is not best practice, but my main focus was functionality.

This applies also to the target-directory of phpvirtualbox in folder /opt/local/share/httpd/htdocs. Of course, a separate conf-file with an Include in the config-file „httpd.conf“ of the Apache webserver is the better choice.

Prerequisites

1. OmniOS (stable or bloody) already installed
2. Napp-it already installed (<http://www.napp-it.org/napp-it>)
3. AMP-Stack already installed (<http://www.napp-it.org/ampo>)

Install VirtualBox

Execute the following commands as user “root”. (For more detailed information see: <https://www.virtualbox.org/wiki/Documentation>)

1. If necessary, change to home directory: `cd`
2. Download: `wget http://download.virtualbox.org/virtualbox/4.3.0/VirtualBox-4.3.0-89960-SunOS.tar.gz`
3. Install the older stream-based network driver (siehe <http://www.virtualbox.org/manual/ch09.html#vboxbowsolaris11> otherwise there may be problems, see <https://gist.github.com/smerrill/7ddfa72c1d97198532ea>):
`touch /etc/vboxinst_vboxflt`
4. Unpack: `tar xzvf VirtualBox-4.3.0-89960-SunOS.tar.gz`
5. Install: `pkgadd -d VirtualBox-4.3.0-SunOS-amd64-r89960.pkg`
6. Add user “vbox” in group “vboxuser” (group “vboxuser” was added in step (5.):
`useradd -s /bin/bash -G vboxuser -d /export/home/vbox -m vbox`
7. Set password of user „vbox“ to „pass“: `passwd vbox`
8. Download VirtualBox Extension-Pack (e.g. for USB-Support, <https://www.virtualbox.org/wiki/Downloads>):
`wget http://download.virtualbox.org/virtualbox/4.3.0/Oracle_VM_VirtualBox_Extension_Pack-4.3.0-89960.vbox-extpack`
9. Install VirtualBox Extension-Pack:
`/opt/VirtualBox/VBoxManage extpack install ~/Oracle_VM_VirtualBox_Extension_Pack-4.3.0-89960.vbox-extpack`

Install phpvirtualbox

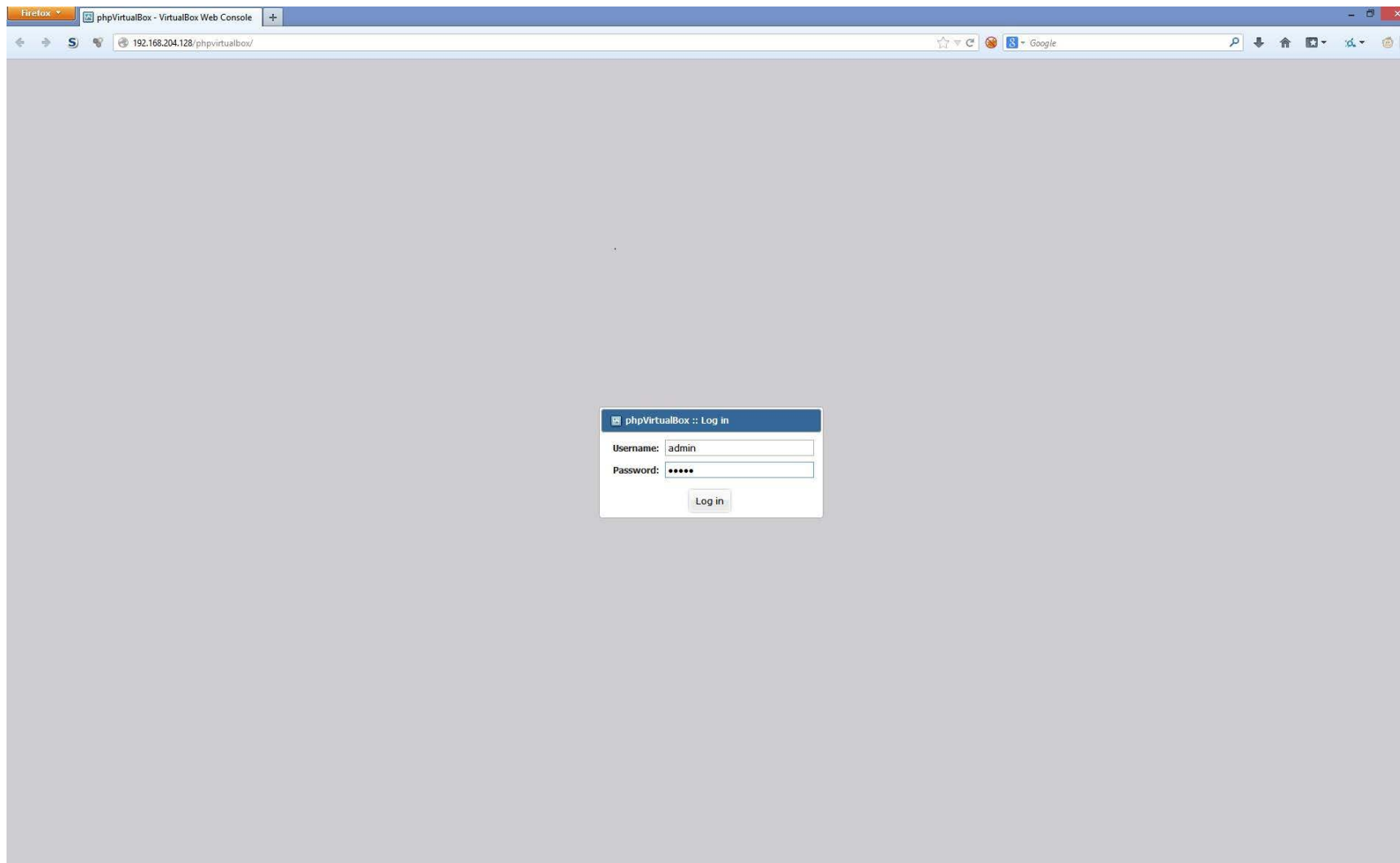
Execute the following commands as user “root”. (For more detailed information see: <http://sourceforge.net/p/phpvirtualbox/wiki/Home/>)

10. Add directory: `mkdir ~/phpvirtualbox`
11. Change directory: `cd ~/phpvirtualbox`
12. Download: `wget http://sourceforge.net/projects/phpvirtualbox/files/phpvirtualbox-4.3-0.zip`
13. Unpack: `unzip phpvirtualbox-4.3-0.zip`
14. Create Config.php (here you'll find the default user „vbox“ and password „pass“ used in step (7.). You'll find here the language-settings also, default is „en“):
`cp config.php-example config.php`
15. Move directory „phpvirtualbox“ to „DocumentRoot“ of Apache-Webserver:
`mv /phpvirtualbox/ /opt/local/share/httpd/htdocs`
16. Restart Apache (not really necessary, only if you did some manual changes to httpd.conf or php.ini):
`svcadm restart apache`

Execute the following commands as user “vbox”.

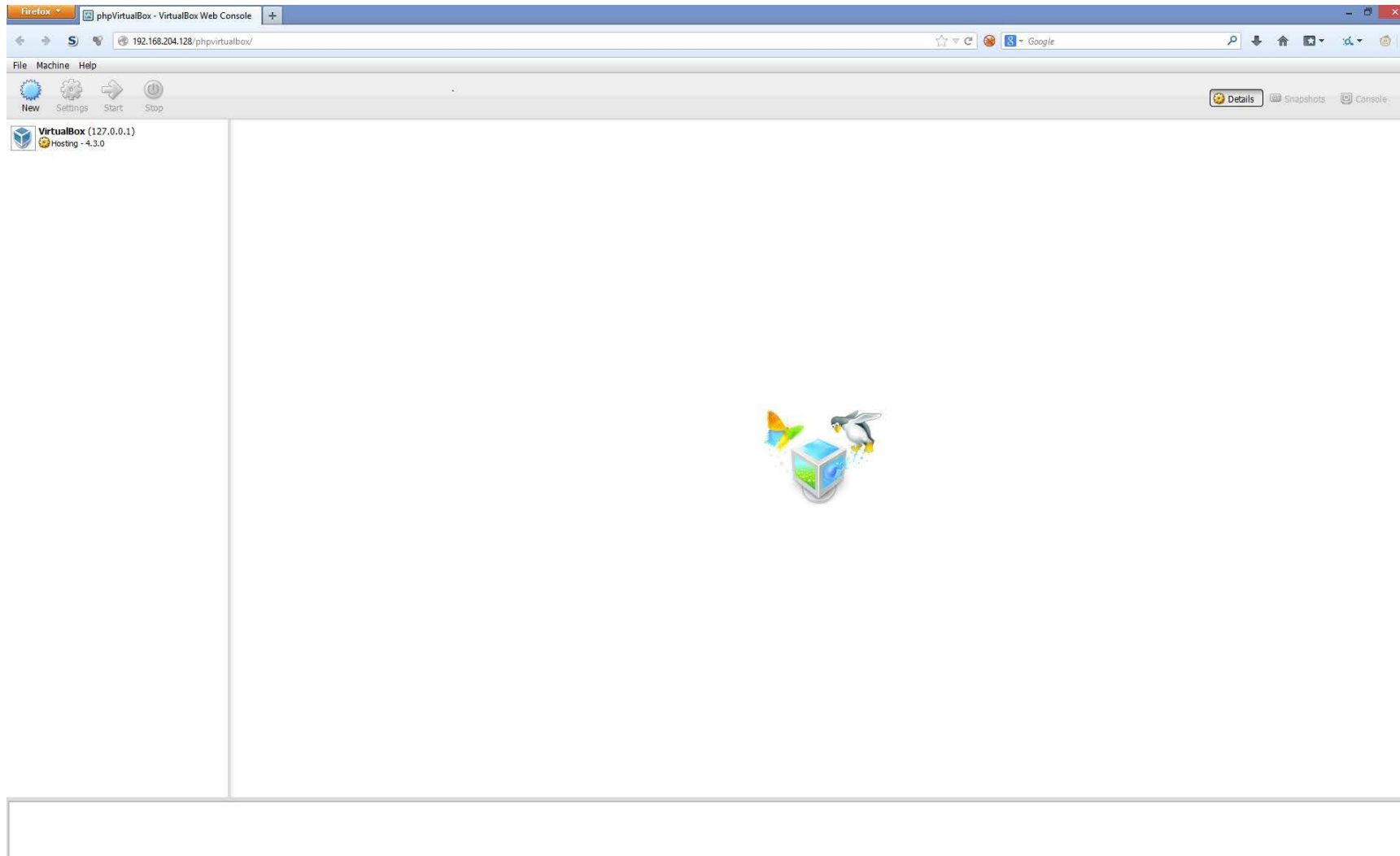
17. Set authorization-library for VirtualBox to „null“ (Otherwise login in step (20.) may fail):
`/opt/VirtualBox/VBoxManage setproperty webservauthlibrary null`
18. Start daemon „vboxwebsrv“ (Option background „-b“, with logfile „-F“, repeat after reboot or put daemon into init-Script):
`/opt/VirtualBox/vboxwebsrv -b -F ~/phpvirtualbox.log`

19. Now let's call phpvirtualbox in the browser: <http://<hostip>/phpvirtualbox>



20. Login with user „admin“ and password „admin“ (not „vbox“ and „pass“)

21. That's it, now you should see the frontend of phpvirtualbox!



22. Finally you may want to change

- password of user „admin“ under „File“ / „Change Password“
- path for your vm's (menu „File“/„Preferences“, General“ / „Default Machine Folder“ (e.g. a separate pool used for virtual machines)

Warning: Do not use the default path because it's space separated (.../VirtualBox VMs), this may cause problems!

