

Table of Contents

VirtualPostman – Standard operating procedure

System Requirements / Recommendations

Server login

UseFul Linux Commands

VirtualPostMan directory structure

User access

2010/-6/01

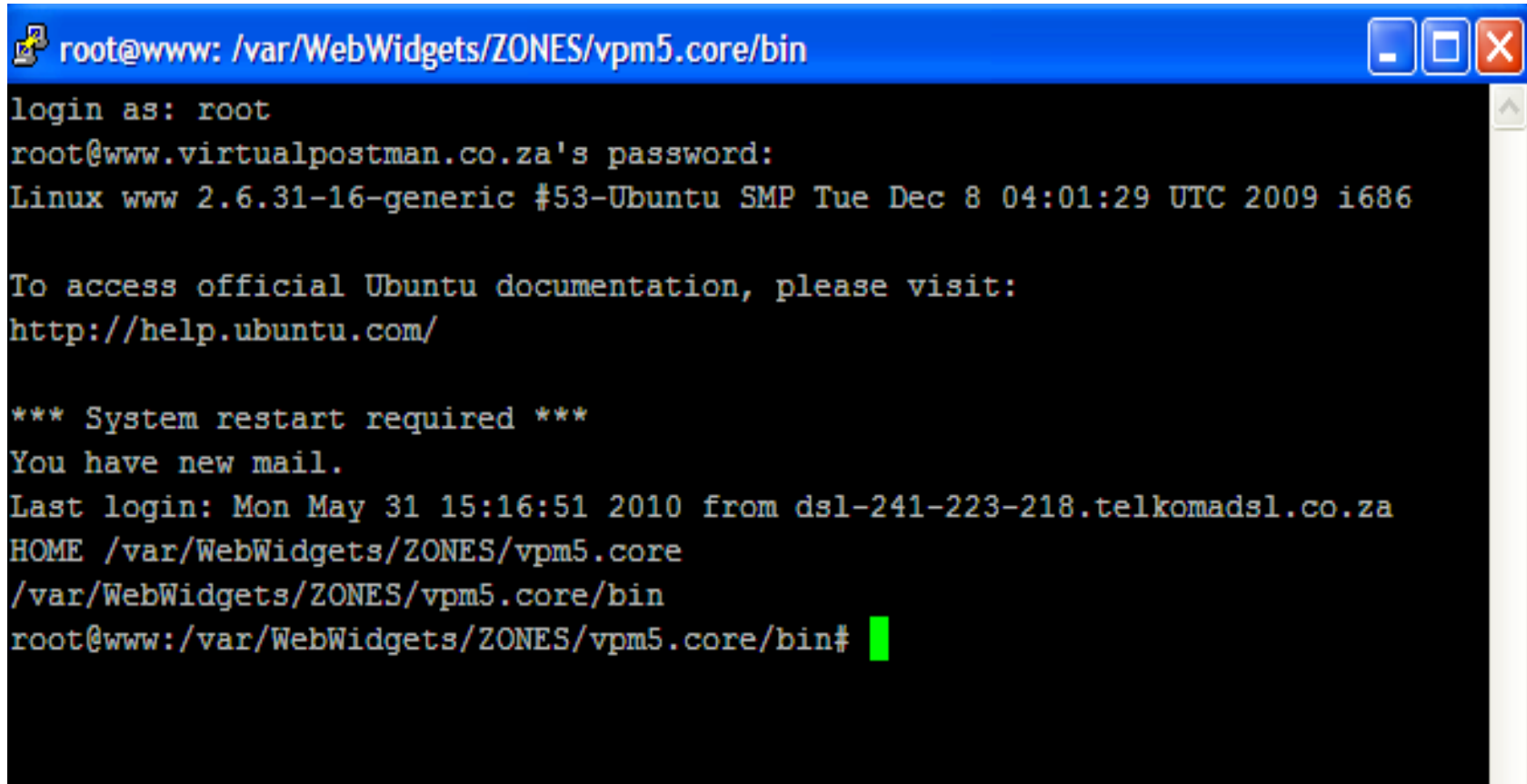


VPM – System Requirements / Recommendations

- Web browser - Mozilla FireFox 3.0 and higher, Internet Explorer 8 and higher version .
- Terminal emulator – Putty ,can be downloaded from
- <http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>

VPM – Server Login

Insert root password provided by the system administrator

A terminal window with a blue title bar containing the text 'root@www: /var/WebWidgets/ZONES/vpm5.core/bin'. The window has standard window control buttons (minimize, maximize, close) on the right. The terminal text is as follows:

```
login as: root
root@www.virtualpostman.co.za's password:
Linux www 2.6.31-16-generic #53-Ubuntu SMP Tue Dec 8 04:01:29 UTC 2009 i686

To access official Ubuntu documentation, please visit:
http://help.ubuntu.com/

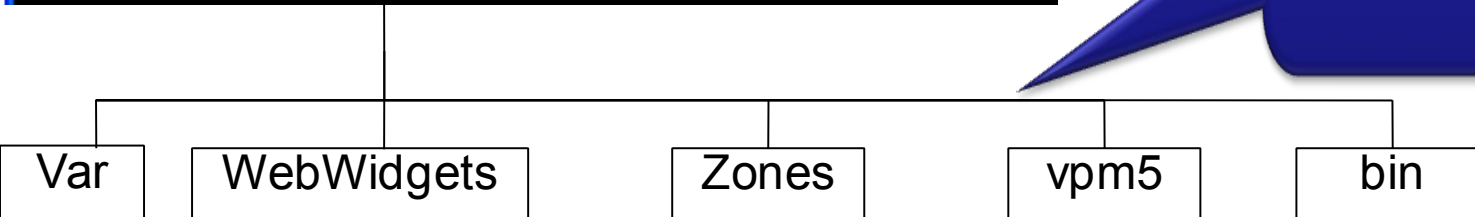
*** System restart required ***
You have new mail.
Last login: Mon May 31 15:16:51 2010 from dsl-241-223-218.telkomadsl.co.za
HOME /var/WebWidgets/ZONES/vpm5.core
/var/WebWidgets/ZONES/vpm5.core/bin
root@www:/var/WebWidgets/ZONES/vpm5.core/bin#
```

VPM – UseFul Linux Commands

- Pwd = Print Working Directory ,tells you the directory you are working on

```
root@edocs: /var/WebWidgets/ZONES/vpm5/bin
root@edocs:/var/WebWidgets/ZONES/vpm5/bin# pwd
/var/WebWidgets/ZONES/vpm5/bin
root@edocs:/var/WebWidgets/ZONES/vpm5/bin#
```

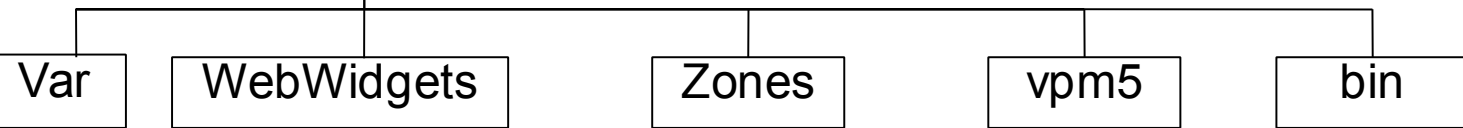
VirtualPostMan File Structure”.



VPM – bin directory

```
root@www:/var/WebWidgets/ZONES/vpm5/bin# pwd
/var/WebWidgets/ZONES/vpm5/bin
root@www:/var/WebWidgets/ZONES/vpm5/bin# ls
1
1.ps
2
A
ARCHIVE_RECORDS
ARC_IMAGES_FTP
ARC_IMAGES_FTP_TEST
ARC_IMAGES_HTTP
ARC_STD_DOC
ARC_STD_PDF
AUTO_SEND
AUTO_SEND_MULTI_FTP.sh
B
BACKUP
bigfoot.sh
bootstrap.jar
CHANGE_DATABASE
CHANGE_IP
CHECK_COPIED_PDF.sh
CHECK_DATABASE
CHECK_FTP_SERVICE
CSV_TO_PDF
DISK_SAFE
DISK_USAGE
ENABLE_HTTPS
FETCH_EMAILS
FETCH_EMAILS_CORE
FETCH_EMAILS.safe
FIND_ON_TIME
FIND_PRUNE
GET_ALL_PDF.sh
GET_ALL_TIFF.sh
GET_TIFF_PAGES
INIT_FTP_SEND
INSTALL
jc
jcw
jic
jmx.jar
jr
jroot
log
REMOVE_NULLS
REPAIR_DATABASE
RESET_ENVELOPES
RESET_EVENTS_ON_INDEX
RESET_IDX_LOCKS
RESTART
RESTART_PRINTERS
RESUBMIT_EVENTS
RSYNC
SANLAM_DEMO
sanlamDemo.eml
s.awk
SCAN_EVENT
ScBar.so
ScImgRW.so
ScPDF417.so
SEND_ENVELOPE
SEND_ENVELOPES
SENDSTATUS
SENDSTATUS_OLD
setclasspath.sh
```

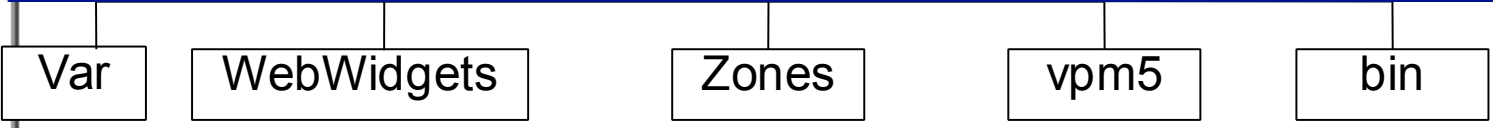
VirtualPostMan bin directory.
Note : Contains all VP scripts.



VPM – vpm5 directory

```
root@www: /var/WebWidgets/ZONES/vpm5
root@www:/var/WebWidgets/ZONES/vpm5/bin# cd ..
root@www:/var/WebWidgets/ZONES/vpm5# ls
ARCHIVE      client.jar  EXTRA      key         pdf         stop5      webappte
AUX          common     forceStop.sh lbins       README     tmp        WEB-INF
axis2-1.4    conf       fw          LCR.dsv    restart5   tmp1       work
axisLib      CP         HITS       lib         samples    txt        www
backup       database   html       logs        server     unitrans   wwwroot
bin          details    imagesftp  MAKE.INSTALL sig         usr        wwwrootderm.pdf
c           doc       imageshttp MAKE.INSTALL.SMALL start5     vpace     yjp-7.0.7
catalina.sh emc        IMPORT      MAKE.UPGRADE startDebug vps       YOUCANDELETETH
client       etc        INSTALL     overlays    startup.sh VPONLINE  za
root@www:/var/WebWidgets/ZONES/vpm5#
```

Vpm5 directory .
Contains VPM Programs and Services.

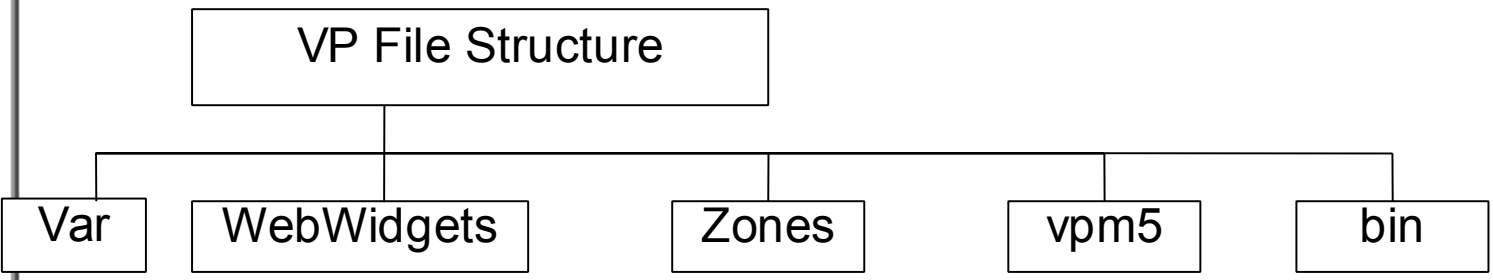


VPM – Directory Structure & Commands

Cd .. One directory behind current directory

```
root@edocs:/var/WebWidgets/ZONES/vpm5# cd ..  
root@edocs:/var/WebWidgets/ZONES# ls  
vpm5  
root@edocs:/var/WebWidgets/ZONES# pwd  
/var/WebWidgets/ZONES  
root@edocs:/var/WebWidgets/ZONES#
```

Zones Directory : This contains vpm versions e.g vpm5 ,vpm4

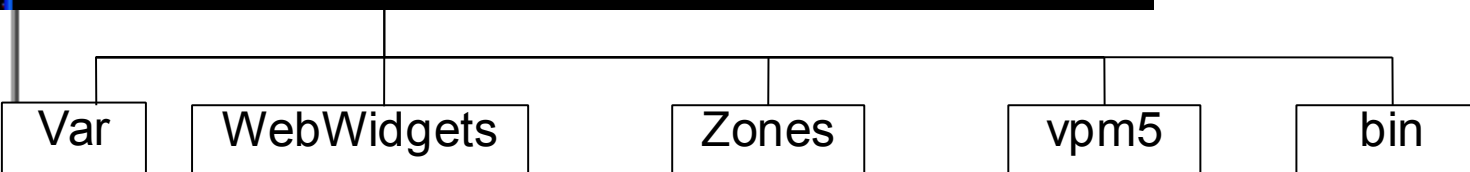


VPM – Important things to check

Root file system should never reach 95 % - this causes vpm website to be unavailable.

df -h - This checks disk space usage

```
root@edocs: /var/WebWidgets/ZONES/vpm5
root@edocs:/var/WebWidgets/ZONES/vpm5# df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda3       2.7T  741G  2.0T   28% /
udev            2.0G   216K  2.0G    1% /dev
none            2.0G     0  2.0G    0% /dev/shm
none            2.0G    64K  2.0G    1% /var/run
none            2.0G     0  2.0G    0% /var/lock
none            2.0G     0  2.0G    0% /lib/init/rw
/dev/sda1       939M   93M  837M   10% /boot
root@edocs:/var/WebWidgets/ZONES/vpm5#
```



VPM – WebServices

- stop5 = Stops web services ,Website will go down
- start5 = Start web services ,initialize/start vp website

```
root@edocs:/var/WebWidgets/ZONES/vpm5# ls st*
start5  startup.sh  stop5
root@edocs:/var/WebWidgets/ZONES/vpm5# start5
```

Start VP WebServices

Document Delivery System

Var

WebWidgets

Zones

vpm5

bin



VPM – Check important Scripts ,to be always running

- cat filename - print to screen to view only
- vi /vim filename – open the file for editing

```
root@edocs: /var/WebWidgets/ZONES/vpm5
root@edocs:/var/WebWidgets/ZONES/vpm5# cat /etc/rc.local
#!/bin/bash
#
# 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.

. /etc/profile
cd /var/WebWidgets/ZONES/vpm5/
start5
cd /var/WebWidgets/ZONES/vpm5/bin
nohup FETCH_EMAILS 2>>/tmp/fetchEmails.log 1>>/tmp/fetchEmails.log &
nohup SEND_ENVELOPES 2>/disk2/logs/sendEnvelopes.log 1>/disk2/logs/sendEnvelopes.log &
nohup ARC_IMAGES_FTP 2>/tmp/arcImagesFtp.log 1>/tmp/arcImagesFtp.log &
nohup ARC_IMAGES_HTTP 2>/tmp/arcImagesHttp.log 1>/tmp/arcImagesHttp.log &
nohup ARC_TEXT_FTP 2>/tmp/arcTextFtp.log 1>/tmp/arcTextFtp.log &
sh START_UP
exit 0
root@edocs:/var/WebWidgets/ZONES/vpm5#
```

Below Scripts Should always be running.

VPM – Processes

- grep - searches for the input string and print results to the screen
- ps - Processes
- Do i have linux help ??? Use man command name – to find more about what a command do.

```
root@edocs:/var/WebWidgets/ZONES/vpm5# cat /etc/rc.local
#!/bin/bash
#
# 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.

. /etc/profile
cd /var/WebWidgets/ZONES/vpm5/
start5
cd /var/WebWidgets/ZONES/vpm5/bin
nohup FETCH_EMAILS 2>>/tmp/fetchEmails.log 1>>/tmp/fetchEmails.log &
nohup SEND_ENVELOPES 2>/disk2/logs/sendEnvelopes.log 1>/disk2/logs/send
nohup ARC_IMAGES_FTP 2>/tmp/arcImagesFtp.log 1>/tmp/arcImagesFtp.log &
nohup ARC_IMAGES_HTTP 2>/tmp/arcImagesHttp.log 1>/tmp/arcImagesHttp
nohup ARC_TEXT_FTP 2>/tmp/arcTextFtp.log 1>/tmp/arcTextFtp.log &
sh START_UP
exit 0
root@edocs:/var/WebWidgets/ZONES/vpm5# ps -ef | grep SEND
root    1244      1  0 May26 ?        00:01:34 /bin/sh ./SEND_ENVELOPES
root    10602  8363  0 17:00 pts/0    00:00:00 grep SEND
root@edocs:/var/WebWidgets/ZONES/vpm5#
```

Processes in VPM.
Note : Checks if process name is running

Reprocess Invoice Rotran

```
root@edocs:/var/WebWidgets/ZONES/vpm5/pdf
login as: root
root@10.130.1.23's password:
Last login: Tue Jun  8 10:59:38 2010 fr
HOME /var/WebWidgets/ZONES/vpm5
/var/WebWidgets/ZONES/vpm5/bin
[root@edocs bin]# cd $WW/pdf/in
[root@edocs in]# ls | wc
  9518    9518  263670
[root@edocs in]# ls | wc
  9518    9518  263674
[root@edocs in]#
```

Vpm5/pdf/in directory .
Checks no of documents left in the in
directory.

VPM – Important Commands

| Important linux command | Description |
|---------------------------------|--|
| Who crontab -l crontab -e | describes users that has log in to the system List cron jobs to edit cron jobs |

VPM –Crontab

```
* * * * *      command to be executed
- - - - -
| | | | |
| | | | |      +----- day of week (0 - 6) (Sunday=0)
| | | | |      +----- month (1 - 12)
| | | | |      +----- day of      month (1 - 31)
| | | | |      +----- hour (0 - 23)
| | | | |      +----- min (0 - 59)
```

#DISK STATUS REPORT

```
0 8 * * * /var/WebWidgets/ZONES/vpm5/bin/DISKSTATUS 2>/tmp/diskStatus.log
1>/tmp/diskStatus.log
```

```
0 23 * * * /var/WebWidgets/ZONES/vpm5/bin/BACKUP >/tmp/backup.log 1>/tmp/backup.log
```

```
0 20 * * * /var/WebWidgets/ZONES/vpm5/bin/PURGE_ENVELOPE >/tmp/purgeEnvelope.log
1>/tmp/purgeEnvelope.log
```

#####CHECH RC.LOCAL SCRIPTS ARE RUNNING

```
*/5 * * * * /var/WebWidgets/ZONES/vpm5/bin/CHECK_RC.LOCAL_SCRIPTS
>/tmp/Report/CheckScripts.log 1>/tmp/CheckScripts.log
```

Any Questions

