**.:: DMA RADIUS MANAGER 4.1.0 SOFT LAB FULL INSTALLATION BACKUP AND RESTORE GUIDE ::.**

**[UPDATED WORKING LINKs]**

apt-get update

If you get error in updating

Apt-get update

rm /var/lib/apt/lists/\* -vf

apt-get clean

apt-get autoremove

apt-get update

apt-get upgrade

SSH it in putty. If not able to access it.

apt-get install openssh-server

If updating went Okay then now create a automated installation file

touch /rm-ubuntu-32bit.sh  
chmod +x /rm-ubuntu-32bit.sh  
nano /rm-ubuntu-32bit.sh

###------------------START COPY HERE---------------###

#!/bin/bash

# Version 1.2 / 19th November, 2014

# Talha Ali / talha.alii@hotmail.com

# DMASOFTLAB Radius Manager 4.0.4 / 4.1.x Automated Installation Script for Ubuntu 10/12 32bit Edition

# After UBUNTU / 32bit installation , First configure internet access.

# set -x

# Setting Variables . . . [TA]

clear

# MySQL ROOT Password , Change this variable according to your own setup if required. . . [[ TA . . . ]]

sqlpass="talha1234"

# For RM & MYSQL . . . [[ TA . . . ]]

wwwpath="/var/www"

radhost="localhost"

raduser="radius"

myusr\_rad="radius"

mypsw\_radius="radius123"

myusr\_cts="conntrack"

mypsw\_cts="conn123"

httpuser="www-data"

rmver40="radiusmanager-4.0.4.tgz"

rmver41="radiusmanager-4.1.0.tgz"

osver=`cat /etc/issue |awk '{print $1}'`

# RM Installation Package Download URL , Change this variable according to your own setup , if required. . . [[ TA . . . ]]

rmurl="https://sourceforge.net/projects/radiusmanager/files/"

# Colors Config  . . . [[ TA . . . ]]

ESC\_SEQ="\x1b["

COL\_RESET=$ESC\_SEQ"39;49;00m"

COL\_RED=$ESC\_SEQ"31;01m"

COL\_GREEN=$ESC\_SEQ"32;01m"

# OS checkup for UBUNTU

echo -e "$COL\_GREEN Checking OS version, as it must be Ubuntu in order to Continue .  Talha Ali / talhal.alii@hotmail.com. .$COL\_RESET"

if [[ $osver == Ubuntu ]]; then

echo

echo -e "$COL\_GREEN Ubuntu is installed with following information fetched. $COL\_RESET"

lsb\_release -a

sleep 3

else

echo -e "$COL\_RED Sorry, it seems your Linux Distribution is not UBUNTU . Exiting ...$COL\_RESET"

exit 1

fi

# Make sure only root can run our script / Checking if user is root, otherwise exit with error [[TA]]

echo

echo -e "$COL\_GREEN Verifying if you are logged in with root priveleges  . . .$COL\_RESET" 1>&2

FILE="/tmp/out.$$"

GREP="/bin/grep"

if [ "$(id -u)" != "0" ]; then

echo

echo -e "$COL\_RED This script must be run as root, switch to root now . . .$COL\_RESET" 1>&2

exit 1

fi

echo -e "$COL\_GREEN OK - You are logged in with root ID, Ok to proceed further . . .!! $COL\_RESET"

# Temporary Folder where all software will be downloaded . . . [[ TA . . . ]]

temp="temp"

# Checking if /temp folder is previously present or not . . .

{

if [ ! -d "/temp" ]; then

echo

echo -e "$COL\_RED /temp folder not found, Creating it so all downloads will be placed here  . . . $COL\_RESET"

mkdir /temp

else

echo

echo -e "$COL\_GREEN /temp folder is already present , so no need to create it, Proceeding further . . . $COL\_RESET"

echo

fi

}

cd /$temp

# Clearing Old downloads in /temp to avoid DUPLICATIONS . . .

echo -e "$COL\_RED Clearing Old downloads in /temp to avoid DUPLICATIONS . . . $COL\_RESET"

rm -fr /temp/radiusmanager\*.\*

rm -fr /temp/freeradius\*.\*

rm -fr /temp/libltd\*.\*

rm -fr /temp/ioncube\*.\*

sleep 5

# Checking IF $rmurl is accessible m if YES then continue further , otherwise EXIT the script with ERROR ! [[ TA .. . .]]

echo

echo -e "$COL\_GREEN Checking if $rmurl is accessible in order to proceed further. . .!! $COL\_RESET"

cd /temp

wget -q $rmurl/rm4.txt

{

if [ ! -f /temp/rm4.txt ]; then

echo

echo -e "$COL\_RED ERROR: Unable to contact $rmurl, or possibly internet is not working or your IP is in black list at destination server  !! $COL\_RESET"

echo -e "$COL\_RED ERROR: Please check manual if $rmurl is accessible or not or if it have required files, TA  !! $COL\_RESET"

exit 0

fi

}

rm -fr /temp/rm4.txt

sleep 6

######################

clear

# Selection choice menu of RM version 4.0 or 4.1

echo -e "$COL\_GREEN ########################################### $COL\_RESET"

echo -e "$COL\_GREEN Select the type of your operating system: $COLRESET"

echo -e "$COL\_GREEN Talha Ali / talhal.alii@hotmail.com $COLRESET"

echo -e "$COL\_GREEN ########################################### $COL\_RESET"

echo

echo "1. Radius Manager 4.0.4"

echo "2. Radius Manager 4.1.0"

echo

echo -n "Choose an option: [1] "

read rmver

if [ -z "$rmver" ]; then

rmver="1"

fi

case $rmver in

1 ) echo "Selected RM version is: 4.0.4 [Old]"

# Download radius manager 4.0.4  in $temp folder

echo .

echo -e "$COL\_GREEN Downloading RADIUS MANAGER 4.0.4 package from INTERNET  .  Sleeping for 5 Seconds . . (Press CTRL+C to stop any time) $COL\_RESET"

defver="radiusmanager-4.0.4.tgz"

defverdir="radiusmanager-4.0.4"

sleep 5

wget $rmurl/$defver

;;

2 ) echo "Selected RM version is: 4.1.0 [Latest]"

echo -e "$COL\_GREEN Downloading RADIUS MANAGER 4.1.0 package from INTERNET  .  Sleeping for 5 Seconds . . (Press CTRL+C to stop any time) $COL\_RESET"

defver="radiusmanager-4.1.0.tgz"

defverdir="radiusmanager-4.1.0"

echo .

sleep 5

# Download radius manager 4.1.0  in $temp folder

wget $rmurl/$defver

;;

\* ) echo "Invalid selection. Installation aborted."

echo

exit

;;

esac

# Checking IF RM installation file have been downloaded. if YEs continue further , otherwise EXIT the script with ERRO ! [[ TA .. . .]]

{

if [ ! -f /$temp/$defver ]; then

echo .

echo -e "$COL\_RED ERROR: RM Installation File could not be download or found in /$temp/$defver ! $COL\_RESET"

exit 0

fi

}

# Function to check RM Installation Package SIZE , if its Ok or corrupted (TA) I will update it later

#SIZE=$(du -sb file.txt | awk '{ print $1 }')

#if ((SIZE<900)); then

#    echo "RM File Size not Ok, possibly corrupted";

#else

#    echo "RM FILE SIZE OK !";

#exit 0

#fi

# Update UBUNTU FIRST . . . [[ TA . . . ]]

echo

echo

echo -e "$COL\_GREEN Updating UBUNTU  .  Sleeping for 5 Seconds . . (Press CTRL+C to stop any time) $COL\_RESET"

sleep 5

apt-get update

# Installing required components for RM . . . [[ TA . . . ]]

echo .

echo -e "$COL\_GREEN Installing components like MYSQL , PHP etc  .  Sleeping for 5 Seconds . . (Press CTRL+C to stop any time) $COL\_RESET"

sleep 5

apt-get -y install mc wget rcconf make gcc mysql-server mysql-client libmysqlclient15-dev libperl-dev curl php5 php5-mysql php5-cli php5-curl php5-mcrypt php5-gd php5-snmp apache2

# While installing above components , it may ask for mysql password, use same password as you have used before . . . [[ TA . . . ]]

echo .

echo -e "$COL\_GREEN Installing LIB packages  .  Sleeping for 5 Seconds . . (Press CTRL+C to stop any time) $COL\_RESET"

sleep 5

cd /$temp

wget https://sourceforge.net/projects/radiusmanager/files/libltdl3\_1.5.24-1ubuntu1\_i386.deb

wget https://sourceforge.net/projects/radiusmanager/files/libltdl3-dev\_1.5.24-1ubuntu1\_i386.deb/

dpkg -i libltdl3\_1.5.24-1ubuntu1\_i386.deb

dpkg -i libltdl3-dev\_1.5.24-1ubuntu1\_i386.deb

# IONCUBE Installation:

# Now Download ioncube library and add it to php  . . . [[ TA . . . ]]

echo .

echo -e "$COL\_GREEN Installing IONCUBE  .  Sleeping for 5 Seconds . . (Press CTRL+C to stop any time) $COL\_RESET"

sleep 5

wget  [https://sourceforge.net/projects/radiusmanager/files/ioncube\_loaders\_lin\_x86.tar.gz](http://www.dmasoftlab.com/cont/download/ioncube_loaders_lin_x86.tar.gz)

# Checking if IONCUBE installation file have been downloaded. if YEs continue further , otherwise EXIT the script with ERROR ! [[ TA .. . .]]

{

if [ ! -f /$temp/ioncube\_loaders\_lin\_x86.tar.gz ]; then

echo .

echo -e "$COL\_RED ERROR: COULD NOT DOWNLOAD IONCUBE !!! EXITING . . .  $COL\_RESET"

exit 0

fi

}

tar zxvf ioncube\_loaders\_lin\_x86.tar.gz

mkdir /usr/local/ioncube

cd /$temp/ioncube

cp -fr \* /usr/local/ioncube/

# Now Add the appropriate ionCube loader to your php.ini . . . [TA]

echo .

echo -e "$COL\_GREEN Adding iONCUBE in PHP  .  Sleeping for 5 Seconds . . (Press CTRL+C to stop any time) $COL\_RESET"

sleep 5

echo "zend\_extension=/usr/local/ioncube/ioncube\_loader\_lin\_5.3.so" >> /etc/php5/apache2/php.ini

echo "zend\_extension=/usr/local/ioncube/ioncube\_loader\_lin\_5.3.so" >> /etc/php5/cli/php.ini

cd /$temp

echo .

echo -e "$COL\_GREEN Downloading FREERADiUS 2.2.20-dma-patch-2 package  .  Sleeping for 5 Seconds . . (Press CTRL+C to stop any time) $COL\_RESET"

sleep 5

wget  [https://sourceforge.net/projects/radiusmanager/files/freeradius-server-2.2.0-dma-patch-2.tar.gz](http://www.dmasoftlab.com/cont/download/freeradius-server-2.2.0-dma-patch-2.tar.gz)

# Checking if FREERADIUS is downloaded, just to make sure internet is working ,IF NOT, EXIT the script with ERROR ! [[ TA .. . .]]

{

if [ ! -f /$temp/freeradius-server-2.2.0-dma-patch-2.tar.gz ]; then

echo .

echo -e "$COL\_RED ERROR: COULD NOT DOWNLOAD FREERADIUS 2.2.20-dma-patch-2, possible INTERNET is not Working !!! EXITING . . .  $COL\_RESET"

exit 0

fi

}

echo .

echo -e "$COL\_GREEN Compiling FREERADIUS  .  Sleeping for 5 Seconds . . (Press CTRL+C to stop any time) $COL\_RESET"

sleep 5

tar zxvf freeradius-server-2.2.0-dma-patch-2.tar.gz

cd freeradius-server-2.2.0/

### Now proceed with the compilation of FREERAIDUS , applicable for all

./configure

make

make install

ldconfig

# Set the correct ownership on FreeRadius configuration files

chown $httpuser /usr/local/etc/raddb

chown $httpuser /usr/local/etc/raddb/clients.conf

# ================================================================

# Creating MySQL databases with MySQL command line tool . . . [TA]

# ================================================================

# \*\* FROM CLI \*\* . . . [TA]

echo .

echo -e "$COL\_GREEN adding RADIUS user & DB in MYSQL  .  Sleeping for 5 Seconds . . (Press CTRL+C to stop any time) $COL\_RESET"

sleep 1

mysql -u root -p$sqlpass -e "create database radius";

mysql -u root -p$sqlpass -e "create database conntrack";

mysql -u root -p$sqlpass -e "CREATE USER '$myusr\_rad'@'$radhost' IDENTIFIED BY '$mypsw\_radius';"

mysql -u root -p$sqlpass -e "CREATE USER '$myusr\_cts'@'$radhost' IDENTIFIED BY '$mypsw\_cts';"

mysql -u root -p$sqlpass -e "GRANT ALL ON radius.\* TO radius@$radhost;"

mysql -u root -p$sqlpass -e "GRANT ALL ON conntrack.\* TO conntrack@$radhost;"

# Time to Install RADIUS MANAGER 4.x.x  . . . [TA]

# ===============================================

cd /$temp

tar zxvf $defver

cd /$temp/$defverdir

echo .

echo -e "$COL\_GREEN Starting RADIUS MANAGER install script install.sh   .  Sleeping for 5 Seconds . . (Press CTRL+C to stop any time) $COL\_RESET"

sleep 5

echo "Radius Manager installer $defver for Ubuntu ONLY \*\*\*\*" [ TA ]

echo "Copyright 2004-2012, DMA Softlab LLC"

echo "All right reserved."

echo

echo .

echo -e "$COL\_GREEN (Use CTRL+C to abort any time) .  Sleeping for 5 Seconds . . (Press CTRL+C to stop any time) $COL\_RESET"

sleep 5

# copy web content

echo Copying Radius Manager WEB content to $wwwpath/radiusmanager

cp -fr www/radiusmanager $wwwpath

# rename .dist files

# Talha / copy paypal cfg file so that user.php may not be missed

mv $wwwpath/radiusmanager/config/payfast\_cfg.php.dist $wwwpath/radiusmanager/config/payfast\_cfg.php

mv $wwwpath/radiusmanager/config/paypal\_cfg.php.dist $wwwpath/radiusmanager/config/paypal\_cfg.php

mv $wwwpath/radiusmanager/config/netcash\_cfg.php.dist $wwwpath/radiusmanager/config/netcash\_cfg.php

mv $wwwpath/radiusmanager/config/authorizenet\_cfg.php.dist $wwwpath/radiusmanager/config/authorizenet\_cfg.php

mv $wwwpath/radiusmanager/config/dps\_cfg.php.dist $wwwpath/radiusmanager/config/dps\_cfg.php

mv $wwwpath/radiusmanager/config/2co\_cfg.php.dist $wwwpath/radiusmanager/config/2co\_cfg.php

# set ownership and permissions

chown $httpuser $wwwpath/radiusmanager/config

chown $httpuser $wwwpath/radiusmanager/config/system\_cfg.php

chown $httpuser $wwwpath/radiusmanager/config/paypal\_cfg.php

chown $httpuser $wwwpath/radiusmanager/config/netcash\_cfg.php

chown $httpuser $wwwpath/radiusmanager/config/authorizenet\_cfg.php

chown $httpuser $wwwpath/radiusmanager/config/dps\_cfg.php

chown $httpuser $wwwpath/radiusmanager/config/2co\_cfg.php

#chown $httpuser $wwwpath/radiusmanager/tmpimages

chown $httpuser $wwwpath/radiusmanager/tftpboot

chmod 600 $wwwpath/radiusmanager/config/system\_cfg.php

chmod 600 $wwwpath/radiusmanager/config/paypal\_cfg.php

chmod 600 $wwwpath/radiusmanager/config/netcash\_cfg.php

chmod 600 $wwwpath/radiusmanager/config/authorizenet\_cfg.php

chmod 600 $wwwpath/radiusmanager/config/dps\_cfg.php

chmod 600 $wwwpath/radiusmanager/config/2co\_cfg.php

chmod 644 $wwwpath/radiusmanager/config/docsis\_keyfile

chmod 644 $wwwpath/radiusmanager/config/docsis\_template

# Adding tmpimage folder for CAPTCHA images (Talha)

mkdir /var/www/radiusmanager/tmpimages

chown $httpuser $wwwpath/radiusmanager/tmpimages

# chmod and copy binaries

echo "Copying binaries to /usr/local/bin"

chmod 755 bin/rm\*

cp -fr bin/rm\* /usr/local/bin

echo "Copying rootexec to /usr/local/sbin"

cp -fr bin/rootexec /usr/local/sbin

chmod 4755 /usr/local/sbin/rootexec

# chmod and copy radiusmanager.cfg

echo "Copying radiusmanager.cfg to /etc"

cp -fr etc/radiusmanager.cfg /etc

chown root /etc/radiusmanager.cfg

chmod 600 /etc/radiusmanager.cfg

# create or upgrade tables

echo "Creating MySQL tables"

mysql -h $radhost -u $myusr\_rad -p$mypsw\_radius radius < sql/radius.sql

mysql -h $radhost -u $myusr\_cts -p$mypsw\_cts conntrack < sql/conntrack.sql

# create rmpoller service

echo "Enabling rmpoller service at boot time"

cp -fr rc.d/rmpoller /etc/init.d

chown root.root /etc/init.d/rmpoller

chmod 755 /etc/init.d/rmpoller

update-rc.d rmpoller defaults 99

# create rmconntrack service

echo "Enabling rmconntrack service at boot time"

cp -fr rc.d/rmconntrack /etc/init.d

chown root.root /etc/init.d/rmconntrack

chmod 755 /etc/init.d/rmconntrack

update-rc.d rmconntrack defaults 99

# copy radiusd init script

echo "Enabling radiusd service at boot time"

chmod 755 rc.d/debian/radiusd

cp -fr rc.d/debian/radiusd /etc/init.d

update-rc.d radiusd defaults 99

# copy logrotate script

echo "Copying logrotate script"

cp -fr etc/logrotate.d/radiusd /etc/logrotate.d/radiusd

# copy cron job script

echo "Copying cronjob script"

cp -fr etc/cron/radiusmanager /etc/cron.d/radiusmanager

chmod 644 /etc/cron.d/radiusmanager

# comment out the old style cron job

sed -i 's/02\ 0\ \\*\ \\*\ \\*\ root\ \/usr\/bin\/php/#2\ 0\ \\*\ \\*\ \\*\ root\ \/usr\/bin\/php/g' /etc/crontab

# replace strings in cfg files for Debian

echo .

echo -e "$COL\_GREEN Setting Debina base WWW dir in configuration files . . .!$COL\_RESET"

sed -i 's/var\/lib\/mysql\/mysql.sock/var\/run\/mysqld\/mysqld.sock/g' /etc/radiusmanager.cfg

sed -i 's/var\/www\/html/var\/www/g' /etc/radiusmanager.cfg

sed -i 's/var\/www\/html/var\/www/g' /etc/cron.d/radiusmanager

sed -i 's/var\/www\/html/var\/www/g' /var/www/radiusmanager/config/system\_cfg.php

# set permission on raddb files

echo "Setting permission on raddb files"

chown $httpuser /usr/local/etc/raddb

chown $httpuser /usr/local/etc/raddb/clients.conf

echo

echo .

echo -e "$COL\_GREEN Radius manager Installation complete!$COL\_RESET"

echo

# Now copy the two license files (that you receive from DMASOFTLAB) in /var/www/radiusmanager  . . . [TA]

# cp -fr lic.txt /var/www/radiusmanager/

# cp -fr mod.txt /var/www/radiusmanager/

echo .

echo .

echo -e "$COL\_GREEN Re-Starting Apache2, Radius and mySQL Service$COL\_RESET"

echo .

service radiusd start

service apache2 restart

service mysql restart

echo .

echo .

echo .

echo .

echo .

echo -e "$COL\_GREEN All Done. Please access ADMIN panel via <http://yourip/radiusmanager/admin.php> $COL\_RESET"

echo -e "$COL\_GREEN RM Installation script by Talha Ali / [talhal.alii@hotmail.com](mailto:talhal.alii@hotmail.com) /Special Thanks to Syed Jahanzaib $COL\_RESET"

###------------------END COPY HERE---------------###

Now Execute the installation file

/rm-ubuntu-32bit.sh

Now upload license (two file license.txt and mod.txt) by winscp or filezilla

Now execute these commands

service apache2 restart

service radiusd restart

service rmpoller start

**Now Run** <http://YOUIPADDRESS/Raduismanager/admin.php>

**.::PATCHING 4.1.0 to 4.1.5::.**

**mkdir /temp**  
**cd /temp**  
**wget** [https://sourceforge.net/projects/radiusmanager/files/**radiusmanager-4.1-cumulative\_patch.tgz**](http://wifismartzone.com/files/rm_related/radiusmanager-4.1-cumulative_patch.tgz)  
**tar zxvf /temp/radiusmanager-4.1-cumulative\_patch.tgz**  
**cd radiusmanager-4.1-cumulative\_patch/**  
**ls**

cp -vrf www/radiusmanager/\* /var/www/radiusmanager

chmod 755 bin/rm\*

cp raddb/acct\_users /usr/local/etc/raddb

chmod 640 /usr/local/etc/raddb/acct\_users

chown root.root /usr/local/etc/raddb/acct\_users

service radiusd restart

service rmpoller start