How to run cPanel behind a NAT - Router - Home modem

cPanel is not designed to run behind a NAT, therefore if you decide to go that way you won't get any help from cPanel support techs, it is not officialy supported. Many people have done it. I personaly do it manualy by changing the IP configuration and DNS Zones, but for those with less Linux/DNS knowledge, here is a great script that helps you run cPanel & WHM behind a NAT (router with internal IP for example 192.168.0.x)

Install

create the script by pasting source from bellow or downloading from link above

as root go to *`/var/cpanel/scripts`* and type *`vi wwwact_nat.sh`* (paste the script), then *`:wq!`* to save it.

then type *`chmod 0755 wwwact_nat.sh`*

and then run with *`sh wwwact_nat.sh`*

How to use

Script is very self-explanatory, Run the initial configuration first, then create a domain etc. If any problems, feel free to comment :)

Script Source Code

```
#!/bin/bash

# cpanel - wwwacct_nat.sh Copyright(c) 2008 cPanel, Inc.

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myversion=001

mybuild=STABLE

echo ""

echo "This script is designed to help you run cPanel/WHM behind a NAT/ROUTER"
echo "Based network 192.168.x.xxx take Extra Caution when using this script"

echo "Please view the readme that comes with this script before using it."

echo ""

echo "+===================================+"

echo "| Dependency Check |"

echo "+===================================+"

rootcheck=$(echo $USER); if [ "$rootcheck" = "root" ]; then

echo "| running as user $rootcheck [ OK ] "

else

echo "| running as user root [FAIL] "

echo "+===================================+"

echo "Script Halted!"

exit

fi

if [ -f /etc/wwwacct.conf ]; then

echo "| cPanel wwwacct.conf [ OK ] "

else

echo "| cPanel wwwacct.conf [FAIL] "

echo "+===================================+"

echo "Script Halted!"

exit

fi

mycurl="`which /usr/bin/curl 2> /dev/null`"; if [ "$mycurl" != "" ]; then
```

```
echo "| $mycurl [ OK ] "
else
echo "| /usr/bin/curl [FAIL] "
fi
mysed="`which /bin/sed 2> /dev/null`"; if [ "$mysed" != "" ]; then
echo "| $mysed [ OK ] "
else
echo "| /bin/sed [FAIL] "
fi
mywget="`which /usr/bin/wget 2> /dev/null`"; if [ "$mywget" != "" ]; then
echo "| $mywget [ OK ] "
else
echo "| /usr/bin/wget [FAIL] "
fi
echo "+===================================+"
sleep 2
addr=$(awk '/ADDR/ { print $2 }' /etc/wwwacct.conf)
ethdev=$(awk '/ETHDEV/ { print $2 }' /etc/wwwacct.conf)
lanaddr=$(ifconfig $ethdev | grep 'inet addr:'| cut -d: -f2 | awk '{ print $1}')
replace $addr $lanaddr -- /etc/wwwacct.conf 1> /dev/null
mainip=$(awk '{ print $1 }' /var/cpanel/mainip)
echo ""
echo "+===================================+"
echo "| We Have Detected |"

echo "+=====================================+"

echo "| Main/DNS IP: $mainip"

echo "| Shared/NAT IP: $lanaddr"

echo "+=====================================+"

while true; do

echo ""

echo "+=====================================+"

echo "| cPanel NAT Main Menu |"

echo "+=====================================+"

echo "| 1) First Time Setup"

echo "| 2) Update Everything"

echo "| 3) New Account"

echo "| 4) Del Account"

echo "| 5) Sub-Domains *use caution*"

echo "| 6) Check GitHub To Update Script"

echo "| 7) Quit"

echo "+=====================================+"

echo "| [ Build: $mybuild Ver: $myversion ] |"

echo "+=====================================+"

read case;

echo ""

case $case in
```

```
  1)

echo "Detecting WAN IP (using curl)"

echo "Should Be Quick"

wanip=$(curl -s http://www.cpanel.net/myip)

echo $wanip > /var/cpanel/mainip

echo "Main IP Updated To $wanip"

echo "Fixing Proxy Domains For NAT"

replace proxysubdomainsfornewaccounts=1 proxysubdomainsfornewaccounts=0 -- /var/cpanel/cpanel.config

/usr/local/cpanel/whostmgr/bin/whostmgr2 --updatetweaksettings 1> /dev/null;;

  2)

echo "Detecting WAN IP (using curl)"

echo "Should Be Quick"

wanip=$(curl -s http://www.cpanel.net/myip)

echo ""

echo "+======================================+"

echo "| We Have Detected |"

echo "+======================================+"

echo "| Old IP: $mainip"

echo "| New IP: $wanip"

echo "+======================================+"

echo ""

echo "Updating NameServer IPs"

replace $mainip $wanip -- /etc/nameserverips
```

```
echo "Updating DNS With $wanip"
for domain in `ls /var/named|grep '\.db$'`; do
if [ -f "/var/named/$domain" ] ; then
arecord=$(grep -E 'ftp IN A' /var/named/$domain|awk '{print $4}')
echo "Updating $domain From $arecord To $wanip"
replace $arecord $wanip -- /var/named/$domain 1> /dev/null
fi
done
echo "Updating cPanel IPs"
replace $mainip $wanip -- /var/cpanel/mainip
replace $mainip $wanip -- /etc/secondary.ip
replace $mainip $wanip -- /etc/hosts
replace $mainip $wanip -- /etc/mail_reverse_dns
replace $wanip $lanaddr -- /var/cpanel/users/*
echo "Fixing Proxy Domains For NAT"
replace proxysubdomainsfornewaccounts=1 proxysubdomainsfornewaccounts=0 -- /var/cpanel/cpanel.config
/usr/local/cpanel/whostmgr/bin/whostmgr2 --updatetweaksettings 1> /dev/null;;
  3)
echo "What is the domain name you would like to setup?"
echo -n ""
read -e domain
echo ""
echo "What username would you like to setup?"
echo -n ""
read -e user
echo ""
echo "What password would you like to setup?"
echo -n ""
read -e pass
echo ""
echo "Preparing DNS Zones For WAN IP"
echo "Detecting Zone Template Backups"
dir=/var/cpanel/zonetemplates/backup
echo ""
if [ -d $dir ]; then
echo "Backups Exist Copying To Main Folder For Setup"
  for mytemplate in `ls /var/cpanel/zonetemplates/*`; do
if [ -f "$mytemplate" ] ; then
rm -f $mytemplate
  fi
done
cp $dir/* /var/cpanel/zonetemplates
else
echo "No Backups Found"
echo "Backing Up"
mkdir $dir
```

```
  for mybackup in `ls /var/cpanel/zonetemplates/*`; do
if [ -f "$mybackup" ] ; then
cp $mybackup $dir
  fi
done
fi
echo ""
echo "Setting Up Zone Templates With $mainip"
  for mytemplate in `ls /var/cpanel/zonetemplates/*`; do
if [ -f "$mytemplate" ] ; then
replace %ip% $mainip -- $mytemplate
  echo "cpanel IN A $mainip" >> $mytemplate
  echo "whm IN A $mainip" >> $mytemplate
  echo "webmail IN A $mainip" >> $mytemplate
  echo "webdisk IN A $mainip" >> $mytemplate
  fi
done
echo "Done"
echo ""
/scripts/wwwacct $domain $user $pass;;
  4)
/bin/ls -A /var/cpanel/users/
read user
```

```
/scripts/killacct --force --killdns $user;;

  5)

echo "What User?"

read user

echo ""

domain=$(awk '/DNS/' /var/cpanel/users/$user | cut -d'=' -f2)

echo "Not The Full Domain (sub.$domain)"

echo "What Is The Sub Part? (sub)"

read subdomain

folder=/home/$user/public_html/$subdomain

if [ ! -d $folder ] ; then

mkdir $folder; chmod 0755 $folder; chown $user.$user $folder;

fi

echo ""

if [ -f "/var/named/$domain.db" ] ; then

echo "$domain.db Found"

apacheconf=/usr/local/apache/conf/includes

  if [ -f "$apacheconf/$subdomain.$domain.conf" ] ; then

echo "Sorry Already Exists!"

  echo "Remove [YES/NO]?"

  read myremove

    if [ "$myremove" = "YES" ]; then

echo "Removing..."
```

```
    rm -f $apacheconf/$subdomain.$domain.conf

    sed -i "/$subdomain IN A/d" /var/named/$domain.db

    sed -i "/$subdomain.$domain.conf/d" $apacheconf/post_virtualhost_global.conf

    echo "Restarting httpd"

    service httpd restart

    echo "Restarting bind"

    rndc flush; rndc reload;

    echo "Done"

    else

echo "Returning To Menu"

    fi

else

echo "" > $apacheconf/$subdomain.$domain.conf

  echo " ServerName $subdomain.$domain" >> $apacheconf/$subdomain.$domain.conf

  echo " DocumentRoot $folder" >> $apacheconf/$subdomain.$domain.conf

  echo " ServerAdmin webmaster@$domain" >> $apacheconf/$subdomain.$domain.conf

  echo " UseCanonicalName Off" >> $apacheconf/$subdomain.$domain.conf

  echo "" >> $apacheconf/$subdomain.$domain.conf

  echo "Restarting httpd"

  echo "Include conf/includes/$subdomain.$domain.conf" >>
$apacheconf/post_virtualhost_global.conf

  service httpd restart

  echo "Restarting bind"

  echo $subdomain IN A $mainip >> /var/named/$domain.db
  rndc flush; rndc reload;

  echo ""

  echo "Files Are In $folder"

  fi

else

echo "$domain.db Not Found"

echo "Halted Returning To Menu"

fi;;

  6)

echo "Downloading Update Script..."

echo "Please Wait"

wget -q -O /scripts/wwwacct_nat_update.sh https://raw.github.com/cpanelscripts/wwwacct_nat/master/wwwacct_nat_update.sh

echo ""

chmod 0755 wwwacct_nat_update.sh && /scripts/wwwacct_nat_update.sh && exit;;

  7)

echo "Thanks For Using This Script"

echo "Quitting"

exit;;

  *)

echo "$case is an invaild option. Please select option between 1-6 only";

sleep 3

clear

esac
```

done

FROM SPICEWORKS:

This KB was written to provide some insight into a problem many people face when running their own sites/servers: running cPanel behind NAT.

We’ve been over at the cPanel forums and have read the many posts about how “cPanel does not support NAT configurations in any way.” This may be true. But what they’re saying is that cPanel, the company, does not support NAT – meaning they do not provide technical support/assistance with your NAT setup. Some posts go as far as saying a NAT’d cPanel server won’t work. Well… it does. Here’s what we did to get it working (CentOS 6, 64-Bit):

What's really odd about this whole thing? The solution came from cPanel and was published in the Forums.

1.