

change-ip.sh

Das Skript `change-ip.sh` ändert die IP-Adresse der UCware-Konfiguration. Die Systemkonfiguration (`/etc/interfaces`) bleibt dabei unangestastet.

Kurzanleitung

1. `change-ip.sh` auf die UCware kopieren.
2. Die Berechtigung zum Ausführen setzen:

```
chmod +x change-ip.sh
```

1. Skript unter dem Benutzer `root` ausführen:

```
sudo ./change-ip.sh
```

Das Skript fragt jetzt dialoggesteuert nach der neuen IP-Adresse und konfiguriert anschließend die UCWare um.

Um auch die reale IP-Adresse der UCware zu ändern, muss die Datei `/etc/network/interfaces` noch manuell angepasst werden.

Best Practice

Die Netzwerkeinstellungen in der `/etc/network/interfaces` ändern und mit `ifdown eth0; ifup eth1` aktivieren. Wird anschließend `change-ip.sh` gestartet, wird die aktuelle IP-Adresse automatisch vorgeschlagen.

change-ip.sh

```
#!/bin/bash

export LANG="C"
LOGFILE="/var/log/ipinstaller.log"

# handle ctrl+c / cancel
function handle_exit() {
    if [[ $1 -ne 0 ]]; then
        export DIALOGRC
        export DIALOGOPTS='--backtitle "IPinstaller" --title "Error"'
        dialog --msgbox "IPinstaller was interrupted!" 8 40
        clear
        exit 1
    fi
}

# check for root privileges
[ "$(id -u)" -eq 0 ] || { echo "This installer needs root privileges, please re-run with sudo. Exiting."; exit 1; }

apt-get install --assume-yes --quiet --no-install-recommends --no-install-suggests dialog
subnetcalc pwgen wget wget debconf-utils gzip >$LOGFILE 2>&1

# set up dialog
TMPFILE=$(mktemp --quiet)
DIALOGRC=$(mktemp --quiet)
echo "screen_color = (WHITE, GREEN, ON)" > $DIALOGRC
export DIALOGRC
export DIALOGOPT#!/bin/bash

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TMPFILE=$(mktemp --quiet)
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echo "screen_color = (WHITE, GREEN, ON)" > $DIALOGRC
export DIALOGRC
export DIALOGOPTS='--backtitle "IPinstaller"'

trap "rm -f $TMPFILE $DIALOGRC" 0 1 2 5 15

# the disclaimer
dialog --msgbox "This installer will configure automatically your UCware VoIP config" 8 40

# get the VoIP interface, so we can suggest its IP later
INTERFACE="eth0"
export DIALOGOPTS='--backtitle "UCware installer" --title "Network configuration"'
dialog --inputbox "Please enter the name of the VoIP interface" 8 40 "$INTERFACE" 2>$TMPFILE
INTERFACE=$(awk 'NR==1 {print;exit}' $TMPFILE)

# basic variable initialization
IP=$(ifconfig $INTERFACE | grep "inet addr" | cut -d ':' -f 2 | cut -d ' ' -f 1)
NETMASK=$(ifconfig $INTERFACE | grep "inet addr" | cut -d ':' -f 4 | cut -d ' ' -f 1)
NTPSERVER="0.de.pool.ntp.org"
DNSSERVER="8.8.8.8"

# IP configuration, uses subnetcalc for validation and processing
IPVALID=1
while [[ $IPVALID -ne 0 ]]; do
    dialog --separate-widget $'\n' \
        --inputbox "Please enter the VoIP network IP" 8 40 "$IP" \
        --inputbox "Please enter the VoIP network netmask" 8 40 "$NETMASK" 2>$TMPFILE
    handle_exit $?

    # read answers
    IP=$(awk 'NR==1 {print;exit}' $TMPFILE)
    NETMASK=$(awk 'NR==2 {print;exit}' $TMPFILE)

    # extrapolate router, broadcast, dhcp range
    SUBNETCALC=$(subnetcalc $IP $NETMASK)
    IPVALID=$?

    if [[ $IPVALID -ne 0 ]]; then
        dialog --title "Network configuration" --msgbox "Invalid IP configuration, please try again"
    8 40
    else
        IP=$(echo "$SUBNETCALC" | awk '/Address/ {print $3}')
        NETMASK=$(echo "$SUBNETCALC" | awk '/Netmask/ {print $3}')
        BROADCAST=$(echo "$SUBNETCALC" | awk '/Broadcast/ {print $3}')
        ROUTER=$(echo "$SUBNETCALC" | awk '/Host Range/ {print $5}')
        NET=$(echo "$SUBNETCALC" | awk '/Network/ {print $3}')
        DHCPMIN="${NET%.*}.100"
        DHCPMAX="${NET%.*}.250"
    fi
done

# Gateway and DHCP configuration
dialog --title "Network configuration" --separate-widget $'\n' \
    --inputbox "Please enter the VoIP network gateway IP" 8 40 "$ROUTER" \
```

```

--inputbox "Please enter the VoIP DHCP range minimum" 8 40 "$DHCPMIN" \
--inputbox "Please enter the VoIP DHCP range maximum" 8 40 "$DHCPMAX" 2>$TMPFILE
handle_exit $?
ROUTER=$(awk 'NR==1 {print;exit}' $TMPFILE)
DHCPMIN=$(awk 'NR==2 {print;exit}' $TMPFILE)
DHCPMAX=$(awk 'NR==3 {print;exit}' $TMPFILE)

# present summary, ask user to confirm values
dialog --title "Summary" --yesno "VoIP net address: $IP/$NETMASK

Router: $ROUTER
Broadcast: $BROADCAST
DHCP range: $DHCPMIN - $DHCPMAX

This UCware server will be configured using those settings, proceed?" 18 50

PROCEED=$?

if [[ "$PROCEED" -ne 0 ]]; then
    dialog --title "Error" --msgbox "Not continuing due to user abort." 8 40
    clear
    exit 1
fi

export DIALOGOPTS="--backtitle "IPinstaller" --title "Installation in progress"
dialog --infobox "Configuring ip configs ..." 8 40

DBPW=$(/opt/ucware/sbin/gs-get-conf DB_MASTER_PWD)
DBUSER=$(/opt/ucware/sbin/gs-get-conf DB_MASTER_USER)

mysql --user=$DBUSER --password=$DBPW <<< "USE `asterisk`; UPDATE `hosts` SET `host`='$IP'
WHERE `id`='1';"

OLDINTERFACE=$(awk '/INTERFACES=/' {print}' /etc/default/isc-dhcp-server | cut -d '"' -f2)
OLDNETMASK=$(awk '/netmask/' {print $3 " " $4}' /etc/dhcp/dhcpd.conf)

zcat /usr/share/doc/ucware-core/misc/dhcpd-3-example.conf.gz > /etc/dhcp/dhcpd.conf
sed --in-place "s/192.168.1.130/$IP/" /etc/dhcp/dhcpd.conf
sed --in-place "s/broadcast-address 192.168.1.255/broadcast-address $BROADCAST/"
/etc/dhcp/dhcpd.conf
sed --in-place "s/routers 192.168.1.1/routers $ROUTER/" /etc/dhcp/dhcpd.conf
sed --in-place "s/domain-name-servers 192.168.1.1/domain-name-servers $IP/" /etc/dhcp/dhcpd.conf
sed --in-place "s/subnet-mask 255.255.255.0/subnet-mask $NETMASK/" /etc/dhcp/dhcpd.conf
sed --in-place "s/netmask 255.255.255.0/netmask $NETMASK/" /etc/dhcp/dhcpd.conf
sed --in-place "s/subnet 192.168.1.0/subnet $NET/" /etc/dhcp/dhcpd.conf
sed --in-place "s/range 192.168.1.2 192.168.1.129/range $DHCPMIN $DHCPMAX/" /etc/dhcp/dhcpd.conf
sed --in-place "s/[[:space:]]*range 192.168.1.131 192.168.1.254;//" /etc/dhcp/dhcpd.conf

sed -i "s/INTERFACES=\"$OLDINTERFACE\"/INTERFACES=\"$INTERFACE\"/" /etc/default/isc-dhcp-server

OLDPROVHOST=$(awk -F '$' '/PROV_HOST/' {print $2; exit;} /etc/ucware/ucware.php)
OLDNTPSERVER=$(awk -F '$' '/NTP_SERVER/' {print $2;} /etc/ucware/ucware.php)
OLDBUTTONDAEMONHOST=$(awk -F '$' '/BUTTONDAEMON_HOST/' {print $2; exit;} /etc/ucware/ucware.php)

sed --in-place "s/$OLDPROVHOST/PROV_HOST = '$IP';/" /etc/ucware/ucware.php
sed --in-place "s/$OLDNTPSERVER/NTP_SERVER = '$IP';/" /etc/ucware/ucware.php
sed --in-place "s/$OLDBUTTONDAEMONHOST/BUTTONDAEMON_HOST = '$IP';/" /etc/ucware/ucware.php

PERMIT=$( )
sed --in-place "s|permit[\\s]*=[\\s]*$OLDPROVHOST/$OLDNETMASK|permit = $NET/$NETMASK|"
/etc/ucware/asterisk/manager.conf.d-available/ucwared.conf
sed --in-place "s/$OLDPROVHOST/$IP/" /opt/ucwared/ucwared.conf

echo "VoIP net interface: $INTERFACE
VoIP net address: $IP/$NETMASK
Router: $ROUTER
DHCP range: $DHCPMIN - $DHCPMAX
SQL password for ucware: $SQLPASS"

```

```
SQL password for root: $SQLROOTPASS
UCware package user: $UCUSER
UCware package password: $UCPASS
NTP server: $NTPSERVER
DNS server: $DNSSERVER" > /var/log/ucware/choices.log

service isc-dhcp-server restart
service asterisk restart
service ucwared restart
```

From:
<https://wiki.ucware.com/> - **UCware-Dokumentation**

Permanent link:
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