
Subject: Re: Network settings - different address range for containers

Posted by [naro](#) on Wed, 10 Aug 2011 06:26:42 GMT

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Please replace 11.22.33 with your own common part of IP address range. This is just raw string comparison so no subnet checking etc.

There is one problem I did not solve yet. The ARP cache. If you move VPS to another hardware node, you must wait about 10 minutes until ARP cache on the gateway is cleared. The gateway is not under my control so I can't clear the cache manually

File: /etc/vz/conf/vps.mount

```
#!/bin/bash
```

```
# This script source VPS configuration files in the same
# order as vzctl does
# if one of these files does not exist then something is
# really broken
```

```
[ -f /etc/vz/vz.conf ] || exit 1
[ -f $VE_CONFFILE ] || exit 1
```

```
# source both files. Note the order, it is important
. /etc/vz/vz.conf
. $VE_CONFFILE
```

```
if [ -z "$IP_ADDRESS" ]
then
    # no IP for this container
    echo "No IP address for this container"
    exit 0
fi
```

```
for IP in $IP_ADDRESS
do
    if `echo $IP | grep "11.22.33" 1>/dev/null 2>&1`
    then
        # this container uses our IP address range. Check ARP
        if `arp -n | grep $IP 1>/dev/null 2>&1`
        then
            # command above return 1 if item is not found
            echo "$IP is already in ARP table. Weird."
        else
            # IP is not in local ARP table. Add. it
            echo "Adding $IP to ARP table"
            arp -i eth0 -Ds $IP eth0 pub
        fi
    fi
done
```

```
fi
done

exit 0
```

File: /etc/vz/conf/vps.umount

```
#!/bin/bash

# This script source VPS configuration files in the same
# order as vzctl does
# if one of these files does not exist then something is
# really broken

[ -f /etc/vz/vz.conf ] || exit 1
[ -f $VE_CONFFILE ] || exit 1

# source both files. Note the order, it is important
. /etc/vz/vz.conf
. $VE_CONFFILE

if [ -z "$IP_ADDRESS" ]
then
    # no IP for this container
    echo "No IP address for this container"
    exit 0
fi

for IP in $IP_ADDRESS
do
    if `echo $IP | grep "11.22.33" 1>/dev/null 2>&1`
    then
        # this container uses our IP address. Check ARP
        if `arp -n | grep $IP 1>/dev/null 2>&1`
        then
            # IP is in local ARP table. Remove it
            echo "Removing $IP from ARP table"
            arp -i eth0 -d $IP
        else
            echo "$IP is not in ARP table. Weird."
        fi
    fi
done

exit 0
```
