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Subject: \*SOLVED\* NAT/MASQUERADING inside VZ

Posted by [Plnt](#) on Sat, 29 Jul 2006 09:19:21 GMT

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Hi,

I've successfully created OpenVPN connection to VZ using tun interface. Now I need to do NAT inside VZ but I wasn't able to set-up rule for iptables:

```
zone1:~# iptables -t nat -A POSTROUTING -s 192.168.0.0/24 -j MASQUERADE
```

```
FATAL: Could not load /lib/modules/2.6.16-026test014/modules.dep: No such file or directory
iptables v1.3.3: can't initialize iptables table `nat': Table does not exist (do you need to insmod?)
Perhaps iptables or your kernel needs to be upgraded.
```

Module ipt\_MASQUERADE is loaded on host computer.

Same problem is with SNAT:

```
zone1:~# iptables -t nat -A POSTROUTING -s 192.168.0.0/24 -j SNAT --to-source x.x.x.x
```

```
FATAL: Could not load /lib/modules/2.6.16-026test014/modules.dep: No such file or directory
iptables v1.3.3: can't initialize iptables table `nat': Table does not exist (do you need to insmod?)
Perhaps iptables or your kernel needs to be upgraded.
```

```
zone1:~# iptables -t nat -L
```

```
FATAL: Could not load /lib/modules/2.6.16-026test014/modules.dep: No such file or directory
iptables v1.3.3: can't initialize iptables table `nat': Table does not exist (do you need to insmod?)
Perhaps iptables or your kernel needs to be upgraded.
```

Do I need to enable something for VZ like when using NAT on host computer? Is it possible to do NAT inside VZ?

Thanks,  
Jan

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Subject: Re: NAT/MASQUERADING inside VZ

Posted by [Vasily Tarasov](#) on Sat, 29 Jul 2006 13:53:48 GMT

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What about IPTABLES parameter in your /etc/vz/vz.conf?

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Subject: Re: NAT/MASQUERADING inside VZ

Posted by [Plnt](#) on Sat, 29 Jul 2006 21:26:00 GMT

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vass wrote on Sat, 29 July 2006 15:53 What about IPTABLES parameter in your /etc/vz/vz.conf?

I totally forgot this. I've added iptable\_nat parameter and everything is working fine, now.

Thanks for hint.

Jan

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Subject: Re: \*SOLVED\* NAT/MASQUERADING inside VZ

Posted by [doublet](#) on Wed, 28 Nov 2007 07:41:15 GMT

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Hi,I have same problem but there's no /etc/vz/vz.conf, no idea about where could it be.

Anyway, I'm using a provider VPS, so i don't know if problem is in node on inside my VPS.

Any idea?

```
[root@swol~]# iptables -t nat -A PREROUTING -p tcp -d 10.20.30.40 --dport 40 -j DNAT
--to-destination 10.20.30.50:70
```

```
iptables v1.2.11: can't initialize iptables table `nat': Table does not exist (do you need to insmod?)
Perhaps iptables or your kernel needs to be upgraded.
```

```
[root@swol~]# iptables -L -t nat
```

```
iptables v1.2.11: can't initialize iptables table `nat': Table does not exist (do you need to insmod?)
Perhaps iptables or your kernel needs to be upgraded.
```

Thanks in advance =)

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Subject: Re: \*SOLVED\* NAT/MASQUERADING inside VZ

Posted by [adeeln](#) on Thu, 10 Jul 2008 00:09:29 GMT

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doublet wrote on Wed, 28 November 2007 02:41Hi,I have same problem but there's no /etc/vz/vz.conf, no idea about where could it be.

Anyway, I'm using a provider VPS, so i don't know if problem is in node on inside my VPS.

/etc/vz/vz.conf ONLY exists in the Host Node, so if it's a provider VPS, you can't do anything about it except ask them to do it for you.

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Subject: Re: \*SOLVED\* NAT/MASQUERADING inside VZ

Posted by [mad4solusvm](#) on Thu, 12 May 2011 03:07:14 GMT

I am trying to get NAT to work inside my CentOS node.

I have the following installed

CentOS 5.6  
SolusVM (Latest Stable Release)  
OpenVZ Kernel (2.6.18-238.9.1.el5.028stab089.1)  
2 x NIC's

Ok here goes, i have 2 sets of IP's set inside the node a set of private / local IP's and a block of external IP's. Im trying to issue my VPS containers with private IP addresses issued by the router using NAT, However despite the fact i can see the private ip's in the routers ARP Table. i can't get to the servers using their assigned private IP's. however if i assign one of the external IP's i can get to the server just fine.

Just for the record, I've checked the /etc/vz/vz.conf file on the node in question for the iptable\_nat parameter and can report back that it is in there.

Does anyone have any ideas why i can not do this? and also how i can fix it?, if at all possible.

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Subject: Re: \*SOLVED\* NAT/MASQUERADING inside VZ  
Posted by [Rene](#) on Tue, 22 Nov 2011 06:54:29 GMT  
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Plnt wrote on Sat, 29 July 2006 05:19Hi,

Module ipt\_MASQUERADE is loaded on host computer.

How do you load ipt\_MASQUERADE on the host computer, pray tell?

Quote:

```
# insmod ipt_MASQUERADE
insmod: can't read 'ipt_MASQUERADE': No such file or directory
```

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