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Subject: OpenVZ & iptables REDIRECT

Posted by [vali.dragnuta](#) on Mon, 15 May 2006 18:32:57 GMT

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Hello all,

It seems that I am not the first complaining about iptables REDIRECT + openvz.

My problem follows :

Initially I tried to use REDIRECT inside a VPS to redirect a privileged port to a nonprivileged one (ex : 25 towards 10025 where a certain server listens). Effect : packets get in (tcpdump inside the VPS sees the packets, but nothing gets back. Packets returning can be clearly seen if a connection is initiated directly to the nonprivileged port. The only iptables rule loaded (both in the VPS and in the HOST) is the redirect RULE in the VPS, so accidental filtering is excluded. After this failed experiment I tried something different : REDIRECT directly on the host OS. In this case the effect is even weirder : it behaves like the rule does not exist at all, for example :

```
iptables -t nat -L
```

```
Chain PREROUTING (policy ACCEPT)
```

```
target    prot opt source                destination
```

```
REDIRECT  tcp  --  anywhere              192.168.12.50      tcp dpt:10022 redir ports 22
```

```
...
```

```
telnet 192.168.X.X
```

```
telnet: Unable to connect to remote host: Connection refused
```

...even more interesting : the rule does not catch any packet.

```
iptables -t nat -L -vn
```

```
Chain PREROUTING (policy ACCEPT 0 packets, 0 bytes)
```

```
pkts bytes target    prot opt in    out    source        destination
```

```
0    0 REDIRECT  tcp  --  *     *     0.0.0.0/0     192.168.12.50      tcp dpt:10022 redir ports 22
```

...and even more interesting is that on the VPS the rule catches the packets (rule pkt counter is > 0 on the VPS).

My OS :

Centos 4.3, kernel (both host & vps )

2.6.8-022stab072.2-smp

Am I missing something ? Should I file a bug ? Can anyone confirm this behaviour ?

Thank you very much.

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