
Subject: Re: ip_conntrack_ftp Not Working in Container

Posted by [ddpaul](#) on Wed, 14 Apr 2010 12:23:35 GMT

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Hi.

The same thing on Centos 5.4 and x86_64 host node

```
# uname -a
```

```
Linux vz.hostnode.tld 2.6.18-164.15.1.el5.028stab068.9 #1 SMP Tue Mar 30 18:07:38 MSD 2010
x86_64 x86_64 x86_64 GNU/Linux
```

ip_conntrack_ftp is loaded but doesn't work inside 32-bit container:

```
# uname -a
```

```
Linux ct.container.tld 2.6.18-164.15.1.el5.028stab068.9 #1 SMP Tue Mar 30 18:07:38 MSD 2010
i686 i686 i386 GNU/Linux
```

```
# ftp ftp.bgbilling.ru
```

```
Connected to ftp.bgbilling.ru (81.30.195.156).
```

```
220 (vsFTPd 2.0.5)
```

```
Name (ftp.bgbilling.ru:root): anonymous
```

```
331 Please specify the password.
```

```
Password:
```

```
230 Login successful.
```

```
Remote system type is UNIX.
```

```
Using binary mode to transfer files.
```

```
ftp> ls
```

```
227 Entering Passive Mode (81,30,195,156,26,135)
```

```
ftp: connect: No route to host
```

```
ftp> quit
```

```
221 Goodbye.
```

There are some dropped packets by iptables and only one record in /proc/net/ip_conntrack:

```
# cat /var/log/iptables.log
```

```
Apr 14 15:58:08 vz kernel: IN=venet0 OUT=eth0 SRC=10.0.0.213 DST=81.30.195.156 LEN=60
TOS=0x00 PREC=0x00 TTL=64 ID=19868 DF PROTO=TCP SPT=45315 DPT=6791
WINDOW=5840 RES=0x00 SYN URGP=0
```

```
Apr 14 15:58:11 vz kernel: IN=venet0 OUT=eth0 SRC=10.0.0.213 DST=81.30.195.156 LEN=60
TOS=0x00 PREC=0x00 TTL=64 ID=19869 DF PROTO=TCP SPT=45315 DPT=6791
WINDOW=5840 RES=0x00 SYN URGP=0
```

```
# cat /proc/net/ip_conntrack | grep 81.30.195.156
```

```
tcp      6 431995 ESTABLISHED src=10.0.0.213 dst=81.30.195.156 sport=40642 dport=21
packets=12 bytes=673 src=81.30.195.156 dst=10.0.0.213 sport=21 dport=40642 packets=8
```

bytes=582 [ASSURED] mark=0 secmark=0 use=1

At the same time it works while connecting from HN:

```
# ftp ftp.bgbilling.ru
Connected to bgbilling.ru.
220 (vsFTPd 2.0.5)
530 Please login with USER and PASS.
530 Please login with USER and PASS.
KERBEROS_V4 rejected as an authentication type
Name (ftp.bgbilling.ru:root): anonymous
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls
227 Entering Passive Mode (81,30,195,156,170,167)
150 Here comes the directory listing.
drwxr-xr-x  3 500   100   4096 Mar 10 18:28 pub
226 Directory send OK.
ftp>
```

There are no dropped packets by iptables and two corresponding records in /proc/net/ip_conntrack in this case:

```
# cat /proc/net/ip_conntrack | grep 81.30.195.156
tcp      6 431903 ESTABLISHED src=10.0.0.196 dst=81.30.195.156 sport=42787 dport=21
packets=17 bytes=970 src=81.30.195.156 dst=10.0.0.196 sport=21 dport=42787 packets=13
bytes=982 [ASSURED] mark=0 secmark=0 use=1
tcp      6 23 TIME_WAIT src=10.0.0.196 dst=81.30.195.156 sport=59495 dport=43687 packets=4
bytes=216 src=81.30.195.156 dst=10.0.0.196 sport=43687 dport=59495 packets=4 bytes=277
[ASSURED] mark=0 secmark=0 use=1
```

Also ip_conntrack_ftp works fine on 32-bit host nodes in both cases (from HN and container).
Do you have any clues?

Thanks in advance,
Pavel