

## Problem with sending SYN/ACK

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2005-07/0140.html>

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**From:** Roman Petrov (*melkor\_at\_pikenet.ru*)

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To: freebsd-net@freebsd.org

Hello,

Suppose I have three daemons, who grab all the packets which are forwarded to their addresses via different vlans

```
fwd 10.104.50.2,9998 tcp from any to any dst-port 80 in recv vlan0
fwd 10.104.50.6,9998 tcp from any to any dst-port 80 in recv vlan1
fwd 10.104.50.10,9998 tcp from any to any dst-port 80 in recv vlan2
```

Those daemons then proceed to answer with a static response (well, I mean they actually accept connection, give the response and close socket which they've created accepting connection)

Those daemons run with uids of 20000 20001 and 20002.

So, I forward the answers to the proper gateway by using ipfw rules:

```
fwd 10.104.50.1 tcp from any to any out uid 20000
fwd 10.104.50.5 tcp from any to any out uid 20001
fwd 10.104.50.9 tcp from any to any out uid 20002
```

The problem is that the SYN/ACK packet seems to be sent from another uid, and thus cannot be forwarded to the proper gateway. Is there a way I can force sending SYN/ACK from uids I need?

I don't want to use additional natd's on those gateways, neither I want to run those daemons on gateways.

Thank You for reading this.

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Roman Petrov

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