

IP dynamic address hack-port v0.03

This stuff allows diald ONESHOT connections to get established by dynamically changing packet source address (and socket's if local procs). It is implemented for TCP diald-box connections(1) and IP_MASQuerading(2).

If enabled[1] and forwarding interface has changed:

1. Socket (and packet) source address is rewritten ON RETRANSMISSIONS while in SYN_SENT state (diald-box processes).
2. Out-bounded MASQueraded source address changes ON OUTPUT (when internal host does retransmission) until a packet from outside is received by the tunnel.

This is specially helpful for auto dialup links (diald), where the *actual* outgoing address is unknown at the moment the link is going up. So, the *same* (local AND masqueraded) connections requests that bring the link up will be able to get established.

[1] At boot, by default no address rewriting is attempted.

To enable:

```
# echo 1 > /proc/sys/net/ipv4/ip_dynaddr
```

To enable verbose mode:

```
# echo 2 > /proc/sys/net/ipv4/ip_dynaddr
```

To disable (default):

```
# echo 0 > /proc/sys/net/ipv4/ip_dynaddr
```

Enjoy!

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