

ip_dynaddr.txt

IP dynamic address hack-port v0.03
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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[\*] 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.

[\*] 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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