

Generic: Howto Allow a second local subnet behind a router internet access through freesco ?

Say

you have two local networks with different subnets separated by another router

(besides freesco) and you have freesco connected to one of those networks, but also

wish the other subnet to have internet access through freesco.

Several things must be

done. For the purpose of argument, the subnet to which freesco is

directly connected is 192.168.0.0, subnet mask 255.255.255.0, and the

local network on the far side of the other router is

192.168.1.0 subnet

mask 255.255.255.0

Internet <--> Freesco <- 192.168.0.0/24 network -> router <- 192.168.1.0/24 network ->

Some example ip addresses, freesco eth0, 192.168.0.1, router local side 192.168.0.254, router remote side 192.168.1.254.

First

you must be sure to configure the default gateway of your other router to point to

freesco's internal address, so there is a path for internet traffic from the remote subnet.

On freesco you must add a route to the remote subnet. The best place to put the route command is the startup section of rc_user.

```
route add -net 192.168.1.0/24 gw 192.168.0.254
```

Next, in advanced settings in setup you need to go to option 21. Internal security, and change trust local networks to 'y'.

Finally you need to add a new entry in rc_masq to allow masquerading for the new subnet.

Near the end of rc_masq, locate the lines:

```
[ "$ROUTER" = ethernet ] || ipfwadm -F -a masquerad -S $NET0  
[ "$NET1" ] && ipfwadm -F -a masquerad -S $NET1  
[ "$NET2" ] && ipfwadm -F -a masquerad -S $NET2
```

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just afterwards, put the following line (assuming 192.168.1.0 subnet 255.255.255.0 is the subnet behind your router)

```
ipfwadm -F -a masq -S 192.168.1.0/24
```

You should now find after rebooting the second subnet has internet access.

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Author: Mathieu CATTIN

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