

Network Setup Opinion Needed

Source: <http://linux.derkeiler.com/Mailing-Lists/RedHat/2003-09/3396.html>

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Date: 09/29/03

To: <edward@tripld.iinet.net.au>
Date: Mon, 29 Sep 2003 23:14:59 +0530

Hi Ed,

Thank you for taking interest in my queries,I need a suggestion from you on the way I should set up my network,I had posted this mssg on the mailing list but had no response,hence I am mailing this to you,your suggestion will be highly appreciated.

Hi All,

I have set up a Linux Box with NAT/MASQ, and Squid as an Internet server for my local LAN with one system on a trial basis and I see that the performance has been great.However I am apprehensive about the way the way traffice and loadbalancing will be hadled by Linux box as there will be 50 Machines banging in with requests,hence I have thought of two ways to connect,pls have alook below and pass your valuable comments. I have a 128 Kbps leased line coming thru a router.

Option1

50 Windows Cleints with IP Adressese 192.168.0.1-50 GW 192.168.0.100
Linux Server Eth0 with Ip Adress 212.72.11.89 GW 212.72.11.201
Linux server Eth1 with Ip Address 192.168.0.100 GW 192.168.0.100

so I will use Ip NAT/MASQ techniques where all requests on Eth1 will be forwarded to Eth0.

Option 2

3 Sepearte Networks

Network 1 Ip addresses 192.168.0.1-15

Network 2 Ip addresses 192.168.1.1-15

Network 3 Ipaddresses 192.168.2.1-20

Linux Server Eth0 with Ippaddress 212.72.11.89 GW 212.72.11.201

Linux Server Eth1 with Ippaddress 192.168.0.254 GW 212.72.11.89

Eth2 with Ippaddress 192.168.1.254 GW 212.72.11.89

Eth3 with Ippaddress 192.168.2.254 GW 212.72.11.89

In this case I will have to NAT all requests from Eth1,Eth2,Eth3 to Eth0.

Router Details

Serial IP 212.72.11.202 Mask 255.255.255.252

Network 212.72.11.88 Mask 255.255.255.248

Gatway 212.72.11.201

Host Ips 212.72.11.89

212.72.11.90

212.72.11.91

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212.72.11.92
212.72.11.93
212.72.11.94
212.72.11.95

I have abt 6 dedicated host Ips is there a better way I can utilise this,Pls suggest, I dont want to have a dedicated FTP or webserver.

Thanks and regards

Harish

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