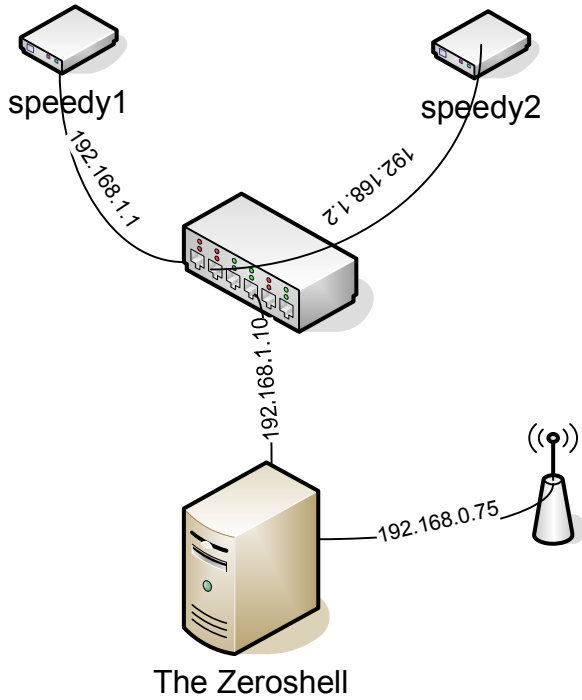


NetBalancer with Zeroshell

My Config :



Two speedy connection with @1Mbps speed

Speedy1 speed

ADSL			
ADSL Firmware Version : FwVer:3.11.2.162_TC3086 HwVer:T14.F7_5.0			
Line State : Showtime			
Modulation : ADSL2 PLUS			
Annex Mode : ANNEX_A			
	Downstream	Upstream	
SNR Margin :	35.2	36.4	db
Line Attenuation :	34.2	16.5	db
Data Rate :	1024	126	kbps

Speedy2 speed

System Status

This page shows the current status and some basic settings of the device.

System	
Alias Name	ACN-110R
Uptime(hh:mm:ss)	23:44:56
Software Version	V2.1
DSP Version	2.9.0.5a
DSL	
Operational Status	G992.5 ADSL2+
DSL Up Time(hh:mm:ss)	23:44:34
Upstream Speed	126 kbps
Downstream Speed	1024 kbps

Now come the zeroshell configuration

Network Interface IP setup

The screenshot shows a network configuration interface with a top navigation bar containing tabs: SETUP, AutoUpdate, Profiles, Network, Time, https, SSH, and St. A 'Logout' link is visible in the top right corner. Below the navigation bar, there is a 'Show' dropdown menu set to 'ALL' and several filter buttons: GATEWAY, New VPN, New BRIDGE, New BOND, New PPPoE, and New 3G Modem. The main content area displays two network interface configurations:

- ETH00** 100Mb/s Full Duplex (D-Link System Inc RTL8139 Ethernet (rev 10)) is UP. It has an IP address of 192.168.0.75 and a netmask of 255.255.255.0.
- ETH01** 100Mb/s Full Duplex (D-Link System Inc RTL8139 Ethernet (rev 10)) is UP. It has an IP address of 192.168.1.10 and a netmask of 255.255.255.0.

DHCP setting

DHCP SERVER Manage Leases

Active on: **ETH00** Subnet: 192.168.0.0/255.255.255.0

Enabled

Dynamic IP Configuration

Default Lease Time			Max Lease Time		
Days	Hours	Minutes	Days	Hours	Minutes
00	08	00	00	12	00

Range 1: 192.168.0.100 - 192.168.0.200
 Range 2: -
 Range 3: -

Static IP Entries

Subnet Options

Default Gateway: 192.168.0.75
 DNS 1: 202.134.1.10
 DNS 2:
 DNS 3:
 Domain Name:
 NIS Domain:
 NTP Server 1:
 NTP Server 2:
 WINS 1:

Router setup (static gateway setting)

ROUTER Manage RIPv2 NAT Virtual Server

Forwarding: **ACTIVE** Enabled

STATIC ROUTES

	Destination	Netmask	Type	Metric	Gateway	Interface	State
<input type="radio"/>	DEFAULT GATEWAY	0.0.0.0	Net	0	192.168.1.1		Up
<input type="radio"/>	0.0.0.0	0.0.0.0	Net	1	192.168.1.2		Up

Most important the NAT-thing...I was able to do it by enabling NAT on all interface, I'd to test if its work with only one interface being NAT-ed (ETH01).

Network Address Translation - Google Chrome

<https://192.168.1.10/cgi-bin/kerbynet?Section=Router&STk=d86ae3f60e4b657cee29b94dc5631481acb94a7f6>

Network Address Translation

Available Interfaces ETH02 ETH03 VPN99	<input type="button" value=">>>"/> <input type="button" value="<<<"/>	NAT Enabled Interfaces ETH00 ETH01
--	--	---

Note:
 the source IP of outgoing packets from the enabled NAT interfaces will be automatic translated using routing table (MASQUERADE)

The NetBalancer the fun stuff ;)
 Make sure you see that Failover Monitor status is Active

The screenshot shows the NetBalancer configuration interface. At the top, there are tabs for 'NET BALANCER', 'Manage', 'Balancing Rules', 'Statistics', and 'Graphics'. Below the tabs, the status is 'ACTIVE' and the mode is 'Load Balancing and Failover'. The 'Gateway List' table shows three gateways: 'DEFAULT_GATEWAY' (Disabled), 'speedy1' (Active), and 'speedy2' (Active). The 'Failover Monitor' section is set to 'Active' and includes settings for ICMP failover checking (Enabled), number of probes before marking DOWN (3), number of probes before marking UP (5), reply timeout (4 seconds), pause before starting a new cycle (5 seconds), and immediately restart PPPoE and 3G Mobile (Yes). The 'Failover IP Addresses' section shows three IP addresses: IP (1) 72.30.2.43, IP (2) 202.134.1.10, and IP (3) 203.130.196.155, all set to 'Enabled'.

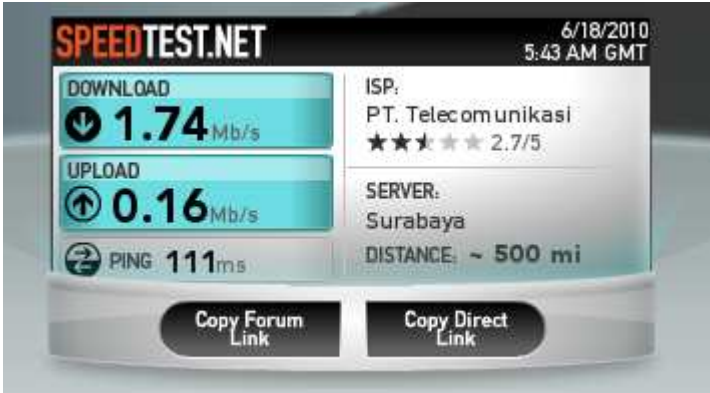
Gateway Description	IP Address	Interface	Weight	Status	Faults	UP
DEFAULT_GATEWAY			1	Disabled	0	<input type="checkbox"/>
speedy1	192.168.1.1		1	Active	0	<input checked="" type="checkbox"/>
speedy2	192.168.1.2		1	Active	0	<input checked="" type="checkbox"/>

Another sign if Balancing is working, traffic is flooding to the the two interface

The screenshot shows the 'NET BALANCER STATISTICS' page in a Google Chrome browser. The page title is 'NET BALANCER STATISTICS' and it has 'Refresh' and 'Close' buttons. The statistics table shows the following data:

Gateway	Status	Failure	Outage	Uptime	Up %	Weight	Traffic	Connection
DEFAULT_GATEWAY ()	Disabled	0	0s	0s	-	1	-	-
speedy1 (192.168.1.1)	Active	0	0s	17m 58s	100.00	1	1024K	476
speedy2 (192.168.1.2)	Active	0	0s	17m 57s	100.00	1	307K	481

Last fun Stuff
 The Speed Test...
 Result after success setting the Zeroshell



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