

USB 3G UMTS as failover/loadbalancing?

Posted by Tesna Rafinari - 2010/01/27 10:21

Is clear os 5.1 compatible with samsung 3G UMTS modem and able to use it as wan interface and use it as failover/backup even loadbalancer for my existing adsl connection? Currently I'm using pfsense as my firewall/router/proxy problem and I don't have any problems with it except it does not support my 3G modem as failover/loadbalancer.

My laptop has ubuntu 9.10 installed and the samsung 3G usb modem works just fine. Since clear os also based on linux I guess there is high chance that clear os should be able to detect it too. If somebody can confirm it I'm migrating to clear os straight away!

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/01/28 06:23

Hi,
I want to use the same feature. But I want to use the Huawei E160 or any other type of UMTS Modem for the USB Port. But I don't have any idea to use the UMTS USB stick for ClearOS. Is in this Forum anyone, who can give us any information how a UMTS USB stick could works?

Thanks

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Tesna Rafinari - 2010/01/28 06:35

I looked around and found <http://ccforums.clearfoundation.com/showflat.php?Cat=0&Number=122025&Main=122002> unfortunately it seems my modem is not compatible with clearos or I got init commands wrong as I stuck with the message modem not responding in wvdial.

Malte, maybe you can try the how to guide above. There is high chance it will works for you since the guide also using huawei umts modem.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/01/28 06:48

Thank you for the information. I will try it tommorow. If my Modem doesn't works, I will buy the E1550. I make a post there after testing the how to.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Tim Burgess - 2010/01/28 09:18

ClearOS5.1 is based on CentOS5.4 so this how to should work
<http://www.techonia.com/how-to-install-huawei-e220-usb-modem-on-centos-5-4>

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Tesna Rafinari - 2010/01/28 20:34

Tim Burgess wrote:
ClearOS5.1 is based on CentOS5.4 so this how to should work
<http://www.techonia.com/how-to-install-huawei-e220-usb-modem-on-centos-5-4>

WOW.. my clearos box can dial via my samsung 3G modem! thank you very much for the link :)

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Tim Burgess - 2010/01/29 04:06

Great! no problems :)

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/01/29 08:24

Hi,
I am testing the second How To
(<http://www.techonia.com/how-to-install-huawei-e220-usb-modem-on-centos-5-4>). But if I type
wvdialconf I get an error:
-bash: wvdialconf: command not found

Wher is the error there?

Thanks

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Tesna Rafinari - 2010/01/29 11:37

Try installing wvdial using yum
yum install wvdial

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/01/29 13:24

Hi,
thanks for the feedback. The wvdial works fine, but i've got another problem. I can't change the ppp0 Connection into an external LAN on the WebGUI. Can you tell me how I can change the Connectiontype of the ppp0 Connection? The How To with the Dummy ethX Card doesn't work.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Tim Burgess - 2010/02/05 11:48

You can manually add it to the following line, e.g. EXTIF="eth0 ppp0" in /etc/firewall. Changes in the webconfig IP settings page will cause thos modification to go unfortunatelly

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/02/05 14:44

Thanks for your answer. It works. But now my ClearOS don't change the IP of the external DNS. How Can I Change the DNS to Automatic Mode from the mobile 3G Modem?

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Karel De Stomme - 2010/02/05 18:23

Maybe try : <http://umtsmon.sourceforge.net/> on other gui linux ,and see what settigns you need for your phone ?

<http://www.void.gr/kargig/blog/2009/07/08/vodafone-cosmote-3g-on-linux-wvdial-and-umtsmon/>

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/02/07 09:08

I know my DNS Settings for the UMTS Modem. My problem is, that I can't edit the settings on the ClearOS WebGui. So I want to know where I can edit the DNS Settings in the Configuration Files of the System.

Thanks

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Tim Burgess - 2010/02/07 09:33

```
# cat /etc/resolv.conf
nameserver 194.168.4.100
nameserver 194.168.8.100
```

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/02/10 03:43

Hi,
now I have edit this file and checked the correct DNS IP adress by another Program for Windows. But my ClearOS doesn't work with this DNS. If I type an IP Adress (e.g. the IP of Google) into the Webbrowser, it works. Knows anybody where the Error could be?

Thanks.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Karel De Stomme - 2010/02/10 17:23

DNS caching in windows :

```
ipconfig /flushdns
```

Linux :
Flush DNS in Linux

In Linux, the nscd daemon manages the DNS cache. To flush the DNS cache, restart the nscd daemon. To restart the nscd daemon, use the command ``/etc/init.d/nscd restart``

More on flush dns : <http://www.topbits.com/how-to-flush-dns.html>

=====

Do as suggested:

```
/$ lsusb
```

```
Bus 001 Device 011: ID 12d1:1001 Huawei Technologies Co., Ltd. E620 USB Modem
```

```
Bus 001 Device 001: ID 0000:0000
```

```
Bus 002 Device 001: ID 0000:0000
```

```
Bus 005 Device 001: ID 0000:0000
```

```
Bus 003 Device 001: ID 0000:0000
```

```
Bus 004 Device 001: ID 0000:0000
```

Notice that "E620 USB Modem" is now recognised.

Step 5: Check that ttyUSB0-ttyUSB2 have been created:

```
ls /dev/ttyUSB*
```

```
/dev/ttyUSB0
```

```
/dev/ttyUSB1
```

```
/dev/ttyUSB2
```

If not, you have to correct an error in the file `/lib/modules/2.6.18-164.6.1.v5/modules.alias` which prevents udev from establishing ttyUSB? ports for Huawei devices. Open the file and find all lines containing `icFFiscFFipFF*` option (inclusive of the space). On my machine it is lines 3063-3081. Replace with `ic*isc*ip*` option so the entries look like the entries above and below.

Step 6: Download and install wvdial:

```
/$ yum install wvdial
```

Setup wvdial to call your ISP:

Create `/etc/wvdial.conf` (if it does not already exist) with the following contents (modify the lines with comments to suit your isp's requirements, see step 1):

```
Init1 = ATZ
```

```
Init2 = ATE0V1&D2&C1S0=0+IFC=2,2
```

```
Stupid Mode = 1
```

```
Modem TYPE = Analog Modem
```

```
Auto dns = 0 # My ISP's DHCP is fickle (gives wrong default addresses), so better disable.
```

```
ISDN = 0
```

```
Phone = *99# # this is my dial-up number - yours may differ
```

```
Init3 = AT+CGDCONT=1,"IP","fbband"; # fbband is my APN - yours will almost certainly differ
```

```
Modem = /dev/ttyUSB0
```

```
username = username #I do not require a username so this is a dummy
```

```
Dial Command = ATDT
```

```
password = password #I do not require a password so this is a dummy
```

```
Baud = 921600
```

You may have to experiment with some of these settings. Whatever your ISP likes governs.

Start the connection:

```
/$ wvdial
```

and check that it is actually started:

```
/$ ifconfig
```

There should be a new ppp0 interface.

Open (or create if it does not exist) /etc/sysconfig/network-scripts/ifcfg-ppp0 with the following contents:

```
DEVICE=ppp0
NAME=DSLppp0
TYPE="dialup"
BOOTPROTO="dialup"
WVDIALSECT=Default
MODEMPORT=/dev/ttyUSB0
LINESPEED=921600
PAPNAME=test
USERCTL=true
ONBOOT=yes
PERSIST=no
DEFROUTE=yes
PEERDNS=no
DEMAND=no
IDLETIMEOUT=600
```

Note: Do NOT edit the ppp0 interface from webconfig (Network -> IP Settings). That will overwrite the dialup ppp0 file with the stock xDSL ppp0 configuration file.

Step 7. Make the modem switching mode and connecting automatically at boot or whenever the modem is inserted.

Create /etc/udev/rules.d/15-huawei-1550-modem.rules with the following contents in one line:

```
ACTION=="add",SUBSYSTEM=="usb_device",SYSFS{idProduct}=="1446",SYSFS{idVendor}=="12d1",
RUN+="/usr/sbin/usb_modeswitch"
and save it.
```

UPDATE: Find and open /etc/ppp/ip-up.local and insert the following as the first line:

```
/sbin/user/wvdial
```

Notes: Steps 3, 4, 5 and 7 are temporary fixes until CC's kernel version is upgraded to 2.6.20 or higher; where I understand the functionality is built-in and automatic.

Be warned that USB modems do not always play well with wireless cards. In the worst case, it can disable the usb system or even freeze the server.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Tim Burgess - 2010/02/13 08:44

Thanks Peter, great post!

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/04/06 13:38

Hello,
now I have changed my Huawei Modem into a Sierra Wireless Compass 888/889 Modem. But this Modem won't be detected by my ClearOS. The wvdial command don't detected the modem too. What can I do to use this Modem on the ClearOS?

Thanks.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/04/06 15:05

Hello,
now I have installed usb_modeswitch to activate the modem with the following configuration:

DefaultVendor= 0x1199

DefaultProduct= 0x0fff

;TargetVendor= 0x1199

;TargetProduct= 0x6890

SierraMode=1

Here a Screenshot of my Linux Console:

```
# lsusb
```

```
Bus 001 Device 015: ID 1199:0fff Sierra Wireless, Inc.
```

```
Bus 001 Device 001: ID 0000:0000
```

```
Bus 002 Device 001: ID 0000:0000
```

```
Bus 003 Device 001: ID 0000:0000
```

```
#usb_modeswitch
```

```
* usb_modeswitch: tool for controlling "flip flop" mode USB devices
```

```
* Version 0.9.7 (C) Josua Dietze 2009
```

```
* Works with libusb 0.1.12 and probably other versions
```

```
Looking for default devices ...
```

```
Found default devices (1)
```

```
Prepare switching, accessing device 015 on bus 001 ...
```

```
Trying to send Sierra control message
```

```
Error: sending Sierra control message failed (error -71). Aborting.
```

```
# lsusb
```

```
Bus 001 Device 016: ID 1199:6890 Sierra Wireless, Inc.
```

```
Bus 001 Device 001: ID 0000:0000
```


Bus 002 Device 001: ID 0000:0000

Bus 003 Device 001: ID 0000:0000

But if I start usb_modeswitch I get error -71 and wvdial cannot find a Modem.

Where is the mistake here?

Thanks.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Peter Broch - 2010/04/07 07:53

Sounds like a udev problem. You will likely need to add or modify the udev rules for Sierra.
/lib/modules/2.6.18-164.6.1.v5/modules.alias is the file to modify.

I don't have the device so I do not know which changes are required but Googling for Sierra udev gave a number of promising entries for Ubuntu and other Linux distributions. These should work for CC as well since udev is linked to the kernel that is common for all.

Peter

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/04/07 15:19

Hello,

Yesterday I have found a manual from sierra wireless about the UMTS modems:

Link

Is the TRU-Install Patch Instructions necessary to use this Stick with ClearOS? If yes is a manual for updating the ClearOS Kernel available?

Thanks.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Peter Broch - 2010/04/08 09:01

I took a quick look at your link (which by the way is invalid: http:// is duplicated). I then looked at CentOS (the basis of COS 5.1 -meaning the same kernel version) and found this list of devices that are supported. It includes sierra ID 1199:6890 which is the ID you previously gave. I also checked that the

sierra.ko module is present. It is. So no need to install the driver etc - it is already there.

For starters, did you do `ls /dev/*USB*` to determine if the USB ports are created? If they are not, it likely is a matter of UDEV's config file missing rules for your device.

Start by editing the file `lib/modules/2.6.18-164.6.1.v5/modules.alias`. Find the sierra section, copy one of the lines into a new line and modify that line, say the one containing "v1199p6820" to contain "v1199p6890", save the file and then insert the modem and see what happens.

If that does not work, chances are that COS removed the kernel support and patching of the kernel to get it back is required. This is not for the faint of hart (I never dared) but it can be done. If required, this COS HowTo is helpfull to get you started. There is also a lot of information on this in the old CC forums.

Peter

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/04/10 12:19

Hello Peter,

Now I think the problem is the `usb_modeswitch`. In your How to is version 0.9.7 as RPM File used. On the website of `usb_modeswitch` is version 1.1.1 available. I've updated my System to ver. 1.1.1. But the error message is the same (-71). In the config file stands:

```
# Some Sierra devices can be switched by a special control
# message.
```

Where can I get the special control message for my Compass 888/889?

Thanks.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Peter Broch - 2010/04/10 12:46

Before going into upgrading `modeswitch`, take a look at this. If that does not solve the problem, follow this guide.

Peter

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/04/10 13:28

Hello,

I have edited my last post, because the update was successful. In the /dev is no file for ttyUSB0 and ttyUSB1 (like the machine with the Huawei modem). Is it correct? Can you answer my last question to the message in USB_modeswitch?

Thanks.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Peter Broch - 2010/04/11 03:02

Good the upgrade worked. But without /dev/ttyUSBx devices you can connect to, no cigar.

I cannot find the special control message string you require on my setup; but it may be in your newer version of usb_modeswitch. Check the /etc/usb_modewitch.d file for any references that matches your modem name or the modem's usb ID. The string should be in that section, if it exists.

If it does not exist, you are down to following Sierra's detailed descriptions on installing an updated driver (just like installing the updated usb_modeswitch) and patching the kernel. They are here.

The hairy part is kernel patching which I have never attempted. But others could surely help with that. Tim, anybody?

Peter

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/04/11 06:31

Hello Peter,

I've found in etc/usb_modeswitch.de a file 1199:0fff. But in this file is no target Product ID 6890. So I've added my target product ID, but it doesn't work. Is it easier to update to a newer Kernel version (2.6.23 or newer) or patch the existing Kernel with the driver.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Peter Broch - 2010/04/12 07:15

You may still need to do the modification of udev I mentioned in my first post on this. Without that, the UBS system does not recognize the modem.

I have never patched, upgraded or downgraded a kernel so I don't know. But I would guess patching is the easiest approach since there would be no need to recompile other packages on the machine.

Peter

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Tim Burgess - 2010/04/12 08:08

Simplest option from my point of view is to try out my 2.6.31.12 kernel i've been working on here :) you can remove it afterwards if it doesn't work for you. Subsitite with the PAE kernel if you have more than 4GB RAM

http://www.clearfoundation.com/component/option,com_kunena/Itemid,232/catid,40/func,view/id,8484/language,en/

If you have added any of your own modules you will also have to install kernel-devel, and recompile them

It is feasible to use the patches on the kernel (2.6.18.x) provided by Sierra assuming they apply ok, however the full build process takes some 3-4hours, so unless you have any real objections i'd try the newer kernel first?

2.6.31-12 has version 1.3.7 of the Sierra module in it so no worries there

```
# modinfo sierra
```

```
filename:    /lib/modules/2.6.31.12-174.2.22.timb1.i686/kernel/drivers/usb/serial/sierra.ko
```

```
license:    GPL
```

```
version:    v.1.3.7
```

```
description: USB Driver for Sierra Wireless USB modems
```

```
author:     Kevin Lloyd, Elina Pasheva, Matthew Safar, Rory Filer
```

EDIT: Just noticed on the linkt that propose only a rebuild of the usb storage modules so could be a lot easier to implement, i'll have a look

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Peter Broch - 2010/04/12 08:53

Thanks Tim, I did recall seeing something about your major opus on the forum a while ago. I did not know it had already succeeded. I am impressed.

Malte, installing Tim's new kernel is easy and might make your modem work out of the box. Only problem could be that the built-in driver is the old sierra.ko 1.3.7 which may or may not work for you. The solution to that would be downloading and installing sierra.ko 1.7.30, which can be downloaded from this sierra page. Compile and install should again be easy (see instructions in the link) and it should definitely do the job. Tim's kernel (version 2.6.31) does NOT require patching.

Peter

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Malte Zimmerling - 2010/04/12 15:46

Hello,

Thanks for your answers. Now I have updated the kernel to 2.6.31.12. Now the modem was automatically detected as 1199:6890. When I start USB_Modeswitch:

Looking for target devices ...

Found devices in target mode or class (1)

Looking for default devices ...

Found devices in default mode or class (1)

Accessing device 010 on bus 001 ...

Using endpoints 0x01 (out) and 0x81 (in)

Not a storage device, skipping SCSI inquiry

USB description data (for identification)

Manufacturer: Sierra Wireless, Incorporated

Product: HSPA Modem

Serial No.: not provided

Trying to send Sierra control message

OK, Sierra control message sent

Warning: ignoring MessageContent. Can't combine with special mode

-> Run lsusb to note any changes. Bye.

But I'm not sure: Is the USB_Modeswitch now necessary?

Now the USBttyX devices are added. But the wvdial found no modem. The version of the Sierra driver is 1.3.7. What can I do to use my Sierra Wireless HSDPA Modem with wvdial?

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Tim Burgess - 2010/04/12 18:25

Thanks Peter :) it seems to be working well, i've been running it on my production system for over a month now

Glad the modem is recognised Malte in the new kernel, however I have no further experience with USB Modeswitch so can't help much further, sorry!

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Peter Broch - 2010/04/13 08:35

Malte,

Excellent.

You do not require usb_modewitch anymore. However, it does no harm so remove it at your

usb_modeswitch

- * usb_modeswitch: tool for controlling "flip flop" mode USB devices
- * Version 0.9.7 (C) Josua Dietze 2009
- * Works with libusb 0.1.12 and probably other versions

Looking for default devices ...
 Found default devices (1)
 Prepare switching, accessing device 002 on bus 001 ...
 Looking for active driver ...
 No driver found. Either detached before or never attached
 Setting up communication with interface 0 ...
 Trying to send the message to endpoint 0x01 ...
 Sending the message returned error -2. Trying to continue
 -> Run lsusb to note any changes. Bye

What should I be looking at to fix this?

Thanks

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Peter Broch - 2010/05/07 09:54

You likely suffer from a typo in COS' /lib/modules/2.6.18-164.6.1.v5/modules.alias file. The solution is below. It is a cut from my rough howto, which is towards the bottom af page 2 of this thread.

Notice that "E620 USB Modem" is now recognised.

Step 5: Check that ttyUSB0-ttyUSB2 have been created:

Code:

```
-----
ls /dev/ttyUSB*
/dev/ttyUSB0
/dev/ttyUSB1
/dev/ttyUSB2
-----
```

If not, you have to correct an error in the file /lib/modules/2.6.18-164.6.1.v5/modules.alias which prevents udev from establishing ttyUSB? ports for Huawei devices. Open the file and find all lines containg Code:

```
-----
icFFiscFFipFF* option
-----
```

(inclusive of the space). On my machine it is lines 3063-3081. Replace with Code:

```
-----  
ic*isc*ip* option  
-----
```

so the entries look like the entries above and below.

Peter

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Scumbag - 2010/05/07 20:44

Edit - I upgraded to Clearos 5.1 but have not yet installed Service Pack 1 (needs a monitor and KB hooked up for that). I located and changed the modules.alias file as described. I only see /dev/ttyUSB0 and /dev/ttyUSB1 when I ls -la /dev.

Now I see:

```
# lsusb  
Bus 001 Device 001: ID 0000:0000  
Bus 001 Device 002: ID 12d1:1001 Huawei Technologies Co., Ltd. E620 USB Modem  
Bus 002 Device 001: ID 0000:0000  
Bus 002 Device 002: ID 8086:1120 Intel Corp.  
# usb_modeswitch
```

```
* usb_modeswitch: tool for controlling "flip flop" mode USB devices  
* Version 0.9.7 (C) Josua Dietze 2009  
* Works with libusb 0.1.12 and probably other versions
```

```
Looking for default devices ...  
Found default devices (1)  
Prepare switching, accessing device 002 on bus 001 ...  
Looking for active driver ...  
No driver found. Either detached before or never attached  
Setting up communication with interface 0 ...  
Trying to send the message to endpoint 0x01 ...  
Sending the message returned error -2. Trying to continue  
-> Run lsusb to note any changes. Bye
```

```
#
```

I only have a 2.6.18-128.2.16.v5 folder. It has a modules.alias file but it has no entries matching the one you describe.

Does this mean I have to upgrade the kernel (and if so how do I go about that)?

Edit - I'm running Clarkconnect Community Edition 5.0

Thanks

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Jack Joshlin - 2010/05/10 16:13

to make this very simple add a second wan nic and a cradle point
<http://www.amazon.com/Cradlepoint-CTR-350-Cellular-Travel-Router/dp/B001FWH0A0>
that will auto dial any usb 3g and just turn off the wireless and your set. it will dish out the wan its own ip
and good to go. as far and the dns unless you locked by isp use googles dns 8.8.8.8 and you will see
improved dns query's.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Scumbag - 2010/05/10 18:10

Jack Joshlin wrote:

to make this very simple add a second wan nic and a cradle point
<http://www.amazon.com/Cradlepoint-CTR-350-Cellular-Travel-Router/dp/B001FWH0A0>
that will auto dial any usb 3g and just turn off the wireless and your set. it will dish out the wan its own ip
and good to go. as far and the dns unless you locked by isp use googles dns 8.8.8.8 and you will see
improved dns query's.

Unfortunately :

Currently, item can be shipped only within the U.S.

I can probably source something similar locally, though it'll be cheaper to use an old Windows laptop,
share the network connection and forward all the ports to the linux box. Either way it feels like a failure
since the USB stick ought to work.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Peter Broch - 2010/05/11 11:21

Scumback,

Review the entire howto. it is towards the bottom af page 2 of this thread. There are one or two other
tricks to be mastered before it works.

Peter

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by ClearNovice - 2010/05/16 17:56

I followed the post and I can connect via my 3G and DSL but I have a Prob, how do I change the ppp0 from LAN to External

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Peter Broch - 2010/05/23 07:22

Edit the /etc/firewall/ file to include ppp0 in the EXTIF= line, eg: EXTIF="eth0 ppp0"

Peter

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by dope - 2010/07/25 00:33

ive got a problem,
ppp0 is displaying "offline" "not in use" in multiwan
i have no idea why it doesnt work because it is obtaining my external IP address from my ISP(static) and it looks like its connected as the modem is light is constantly lit.

also when i type wvdial,it looks like its connects it obtains all the required info,everything looks like is connected but its not as i cant connect to it externally.

any ideas?

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Peter Broch - 2010/08/04 12:00

Did you check that the ttyUSB* are created? I recently noticed that COS 5.2 does not seem to do this, even after coorrecting the UDEV problem mentioned in my Howto mail on page 2 (I think) of this thread. I do not know why and did not have the time to investigate in detail.

So, in short, what dongle are you using, what COS version are you using and did you faithfully follow the howto?

Peter

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Scumbag - 2010/08/04 16:59

I went out and bought a Netcomm 3G18Wn - a wireless/ADSL/3G router which will do the job nicely for me. The router itself falls back to the 3G stick when the ADSL goes down. It would be nice for COS to do it, but it wasn't worth the hours in the end.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by dope - 2010/08/05 03:37

Peter Broch wrote:

So, in short, what dongle are you using, what COS version are you using and did you faithfully follow the howto?

Peter

i was using a e220, using 5.1 with an updated kernel ,the hardware side seem to be all good as it sees the device and dials out and connects when i wvdail from shell.

but i noticed it give a weird dns,
11,12,13,14

no matter what setting i used, and the webif would just show not connected.

doesnt matter anyway i moved to zeroshell, where everything was plug and play with my modem also has a ping feature to test the connection for automatic failover.

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by Peter Broch - 2010/08/05 09:40

Scumbag and dope,

I guess you are right. COS 5.2 does not claim to support USB 3G - and it does not seem to do so with simple hacking anymore - 5.1 did.

My answer was to move the dongle to a Windows Machine and simply use Windows internet sharing as an interim solution until we get a cable based connection and I can reinstate my COS server. Your respective solutions seems equally good - except that in the case of zeroshell, I would seriously miss the mail server capability, so that is not a long term option for me.

Sad but true.

Peter

=====

Re:USB 3G UMTS as failover/loadbalancing?

Posted by DaveBurkholder - 2010/10/06 15:34

I hope this can eventually be feasible with kernel upgrades, etc. COS 6 perhaps???

I've used the Cradlepoint CBA250 with excellent results. But it is an additional cost.

=====