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Main.rhamel

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Main.rhmel - 01 Nov 2012

10:27am Lisa Carter about Mariella's printer. She said some printer she identified, was available in Circuit Zone now. I asked her to check that it was Mac compatible. She promised to do so.

I created a new Windows account for Anastacia Hurst, coz she can't create new quotations. The user name is anna, password 123456.

I discussed with Gus that he should use the Zodiac certadmin program installed on Gregory's PC. He agreed to do this.

10:46 Joelle called about not being able to open a folder under Windows which opens under Linux.

Jason Peters was unable to print to ADMIN printer. I fixed this for him.

11:21 Lisa Carter called to confirm the selected printer appears on the Apple site.

11:30 Jean Lavine described how, when his screensaver is running. SOMETIMES, the PC locks up hard and he has to power down and re-boot the PC to continue working. I suggested he turn off the screensaver and see if the problem recurs. After grumbling, he agreed to try that.

11:42 I had Joelle re-boot Johnny's PC and the problem went away.

She also said that when Alistair makes or receives a call on his desktop phone, the call drops almost immediately. No idea. She called back later saying that she probably caused this by setting the 634-3416 number to call forward to start her cellphone. It would ring once in the office before being forwarded to the cell phone, so by the time Alistair got to it, it had hung up. Cause and co-incidence.

12:22pm Suzanne called coz Time clock program not running. I need to call Roger about why it does not start automatically. I sent him an email after lunch. It might just be easier to get Nagios to send me an alert if it is not running. Ah well.

After lunch, Randeesh called. Eventually we got the PBX talking to the internet again. I had her connect the Flow modem directly to the PBX and did the ip_masq thing to get the desktop PCs to connect to the internet.

Tonight, I got the mobo NIC working. I feel a great victory in the Force!

Thu Nov 1 23:46:06 AST 2012

Added passthrough extensions for El Socorro into [CariidocPBX](#) so Silbourne can call El Socorro again. Took a while.

Also, got Teliax working on [jamPBX](#) again. It just needed **iax2 reload** to pick up the settings again for whatever reason. It's working now.

Fri Nov 2 08:46:00 AST 2012

Adana emailed that "unable to log onto Peachtree". I called, she said message that her password was bad, I changed it to 123456. She was then able to login.

Fri Nov 2 08:58:19 AST 2012

Joelle Bonaparte emailed that she wanted to see a listing of invoices. When I called her, she then said she had been able to resolve the issue herself.

She further said that Silbourne wanted quotation numbers to match invoice numbers. I suggested she talk to James about it. I personally believe that the system assigns the invoice numbers automatically and that we cannot interfere with it.

Fri Nov 2 16:20:08 AST 2012

I've deleted some incoming routes from [JanPXX](#) coz I don't think they do anything. They were individual routes for 650,610,620,630,640. Basically, there are only 2 valid incoming routes, one for one of the Telix US numbers and the other for all other incoming calls. If I am wrong, I will have to put them back.

Fri Nov 2 16:23:09 AST 2012

An [OpenURI](#) error message started appearing on Joelle Bonaparte's screen today. I think I may have inadvertently caused that by logging in as [payables](#) while she was already logged in. I need to look this up.

Mon Nov 5 16:42:00 AST 2012

Caroline's printer - new black ink cartridge but bad print. Send to Snikla for repairs tomorrow.

James - template for [OpenNTP](https://www.insecure.org/nmap/) showing both USD and pounds sterling on the same quotation. I was unable to change this despite changing the template and uploading to the server. I called Stephen who suggested re-booting the server which I did.

```
Starting Nmap 4.11 ( http://www.insecure.org/nmap/ ) at 2012-11-05 15:45 EST
Interesting ports on 192.168.4.10:
Not shown: 6775 closed ports
port      state service
443/tcp    open  https
135/tcp    open  msrpc
136/tcp    open  msrpc-ssn
443/tcp    open  https
Nmap Address: 0x317F0:2A:6B (Intel Corporate)

Nmap finished: 1 IP address (1 host up) scanned in 12.984 seconds
[notcramble]~#
```

Tue Nov 6 09:14:24 AST 2012

Roger Smith from MCS just called. He says he will pass by MCL to see what Suzanne is talking about.

Brianna called - possible solution for pay invoices.

Wed Nov 7 10:20:28 AST 2012

For the morning so far,

9:00am Brianna

9:23am Brianna

9:26am Suzanne

9:42am James

Brianna wanted to know how to modify the PO report. I sent her a PDF of the wiki page I wrote on the subject.

Brianna resolved the Purchase dashboard error message by reloading the Purchase module. Well done!

Suzanne called to tell me Steffan is going to send me an update to some report. She said Roger is going to call me about the Time Clock software. Then she told me my 10 days sick leave are over and if I don't show up in the office, I will not be paid. I told her that was not my understanding with Janes and if she was to have a meeting about it, I would welcome that.

When James called, I told him what I understood Suzanne to be saying. He said he would talk with Suzanne about it. He wanted to know if I had time to look at his desktop phone. People weren't hearing him when he made calls on that phone.

The phone was flagged **UNREACHABLE** when I did **asterisk -rx "sip show peers | grep 20**.

I logged onto the phone and compared its settings to my own desktop phone. The **Router** was set to 192.168.100.2, which should have been 192.168.100.3. I changed that, updated and rebooted the phone.

I also added an extension 90 just in case something was wrong with the first account 20.

Both seem fine now, so I am waiting for James to get back to his office and try it out.

Janes also said his Precision laptop is dropping to a Busybox shell when it boots. I suggested it might be some automatic update that went wrong. This happened on the HP PC I had installed at his house as well.

He described the issue with the PO which is that it is not picking up the address of a given warehouse. One has to manually enter the address each time. At least, that is what I understood.

Joelle Bonaparte sent an email that her printer was offline. I resumed it and she confirmed it was ok.
Wed Nov 7 11:06:33 AST 2012
silbourne just called. I guided him through connecting to the net by wifi from his laptop.

Thu Nov 8 09:48:07 AST 2012

Karen complained that the HP 6940 colour printer in the Sales dept, was not printing. I cannot connect to it from here. I called Chioma and asked her to shove in the Ethernet cable more firmly. She did so but no change. The printer may have to go to Snika for repairs.
Thu Nov 8 11:45:44 AST 2012

joelle called, she needs some pix from a camera but Linux is not mounting the camera automatically. I copied the usb-printer.pl to camera.pl on Johnny's Linux PC to make the camera visible to the Windows VM, so Joelle could copy them off.
She needs to insert the other cameras so I can add them to the script as well.

The script is [ScriptToCaptureUSBCamerasAndPrinters](#)

Thu Nov 8 12:11:12 AST 2012

Suzanne sent me an email about some Peachtree error message at 10:56am which I only now saw.

I called Jason Thomas who assured me that it is a simple procedure to fix this error.

I have sent her an email asking if she wants me to run this procedure or wait until after hours.

I've spent the entire afternoon trying to install [OpenERP](#) 6.1 (finally succeeded). Then, I realised that the databases are so different that I will probably have to import each table MANUALLY.

Thu Nov 8 18:38:18 AST 2012

I am doing the Peachtree data verification now. It seems that Snuffy was out of space. Oops! Nagios should have seen that. I need to fix Nagios seriously.

<http://www.enmpgs.co.uk/solutions/accounting/payment-voucher/>

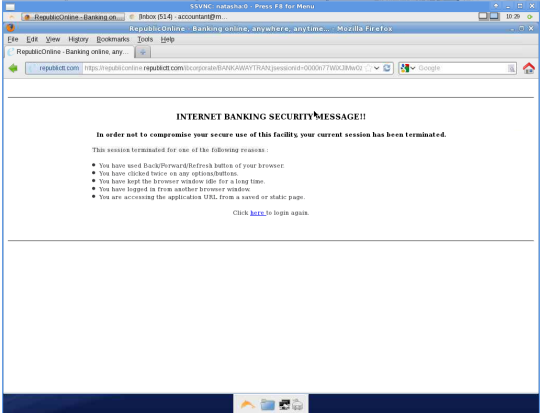
Fri Nov 9 10:21:28 AST 2012

I ran a USB cable from the Sales dept HP 6940 printer to Adana's PC and set it up as a shared printer. I did a test print and gave it to Karen.

Sebastian wanted to be able to skype from Caroline's PC. I showed him that Skype was already installed. He showed Adana and they are both happy.

Waiting for Roger Smith to get here to go over the Time Clock experience.

- [republic-bank-error-message.png](#)



Fri Nov 9 10:31:48 AST 2012

Suzanne called, saying calls are not going out or are being cut off. She also wanted to know the status of Micropay and Time clock. I told her Roger was on his way.

Dana called with some RBTT online error message.

Lisa Carter called, saying Andre got a BSOD, should she re-boot? I said yes, and call me if it happens again.

I made a test call to my phone, which answered, so I'd say calls are going out.

Fri Nov 9 20:50:06 AST 2012

So, eventually James called and said the net was down in the accounts dept. Same time Roger arrived, so I left Roger at it and went across. I rebooted the switch in Sebastian's office and confirmed that his phone and PC connected. Then, I rebooted the switch near Joelle and finally the one in the roof. It seemed that the one in the roof was the problem.

I went back across to get the old 3com switch, thinking to swap out Sebastian's and use that one in the roof.

Well, I ran into Roger on his way out and took him back upstairs. Eventually, we came to the conclusion that the time clock device had gone belly up on Sept 10. He wrote out the site report like that and I signed it. Roger left.

I went back across to the Accounts dept with the 3com switch but by the time I got there, the problem had resolved itself. So I left the 3com switch on top Sebastian's filing cabinet.

I showed James Roger's site visit report and he suggested asking MCS for a quote for a replacement.

He came upstairs and tried to download Ubuntu 12.04 LTS CD version. While he was doing this, the lights went. He left.

I had a cold lunch. Then, the lights came back and I powered up the servers.

The Dell Dimension 2350 refused to boot with SME Server 7.5 so that project died there.

I will try again on Monday.

Gabriella's PC is spontaneous dying on her sporadically, so I will swap that out for the HP connected to the big screen TV.

James wants to return on Monday to learn how to install Ubuntu on his laptop.

Eventually, I left around 2:30pm.

Mon Nov 12 13:35:08 AST 2012

Karen said she couldn't see the new SALESCOLOUR printer destination I set up. It turned out that the [/etc/cupsd.conf](#) on Adana's PC didn't implement sharing. So I fixed that and re-started CUPS.

Silbourne wants the HP laptop to connect to the printers in the office.

I tried installing [FreePBX](#) on SVR but it didn't take. Kernel didn't match dahdi or something.

James passed. I showed him how to boot Slax to RAM, erase the CD, copy it over from Hpbakup and now it's burning.

[jamPBX](#) has been up and down all day. I don't know what's going on.

Adana said the MIC input on the Chart PC was too low when using Skype, so I showed her how to adjust the levels and let her play with it.

Wed Nov 14 10:56:30 AST 2012

I edited SO00037, first changing it back to Draft state. I went into Products -> Configuration -> Units of Measure. I changed Service from Unit to Working Time.

I changed the SO to show Service instead of Hour for the UOM column.

I confirmed the order which did not give any error.

I sent an email with the PDF output to James, Silbourne, Jean.

Wed Nov 14 10:59:56 AST 2012

Joelle Harford called me this morning to say that Alistair's NIC is acting up again. I need to replace this NIC.

She also said the internal extensions were not working. Strange. Is the VPN down?

Wed Nov 14 11:38:35 AST 2012

The VPN wasn't running on [CaridocPBX](#).

Also, [ping 190.213.85.210](#) returns nothing. You have to [ssh 190.213.85.210](#) to get to the PBX.

I added [openvpn](#) to [chkconfig](#) coz it was missing. Ooops!

Wed Nov 14 11:40:27 AST 2012

CUPS keeps dying on Richard Figuiera's PC. I don't know why.

Wed Nov 14 14:58:30 AST 2012

I called Randeesh and had her set the gateway IP address on the desktop PCs to 192.168.4.1. It worked on the Station PC but not on the Admin PC. WTF!

I edited the [/etc/rc.d/rc.local](#) so that it would set eth0 to 192.168.4.2 and remove eth1:0 but after reboot, eth1:0 still comes up. WTF!

I have no clue what is going on.

Thu Nov 15 14:01:57 AST 2012

I fixed Gabby's printer on her new workstation.

Sharon Reid called earlier, saying the internet connection was going up and down. I don't know why. I called her back twice but the call "somehow" got dropped each time.

I left a voicemail for Silbourne. He returned it while I was on the road.

I managed to login to [jamPBX](#) at one point, eth1:0 was still at 192.168.4.2, but no other interfaces were up.

At this point, the only thing I can think of, is to put the router back at 192.168.2.1 and let it give out DHCP to the PCs and wifi, hoping that the PBX can still manage the phones.

Thu Nov 15 14:47:28 AST 2012

I installed Openoffice for Gabby on her new PC.
Today, Sebastian said that his "7" number to the States was not working. The fix was to go into the trunk setup and re-submit it. I made a minor change like removing some comments to force it to reload. I probably could have done "iwx2 reload" from the Asterisk CLI as well.

Sat Nov 17 17:01:53 AST 2012

Vernon install the wall mount rack, Cisco 24-port switch and 24-port patch panel in the Electronics dept area today.
I cleaned up the cabling in my office, upgraded SVR to 2GB RAM. I tried installing [FreePBX](#) on SVR but it didn't take. I'm sure it can work; just need the right install method.
Vernon borrowed 2 Grandstream phones for a month.

Mon Nov 19 10:37:40 AST 2012

Suzanne complained that internal calls to EI Socorro gave the message "All circuits are busy now".
iwx2 show peers on POSPBX showed EI Socorro as UNREACHABLE.
Everything looked ok but I changed the POSPBX trunk PEER details IP address to 190.213.95.95 and that seemed to fix it.
Why it should stop suddenly is a mystery.

Tue Nov 20 16:34:35 AST 2012

In the afternoon, Silbourne and I discovered that the Flow static IP address was not, in fact, static. No; does it seem that the number I was given, 72.252.140.106, is our number.
I asked Silbourne to unplug the Flow modem from the current. While it was unplugged, I tried pinging 72.252.140.106. To my surprise, it responded. Which means that someone else has that number.
I then had him restart the Flow modem and we set the NIC on the PBX to DHCP. It got a new number 72.252.140.26 and the connection came up again.
So the problem all the time was the Flow static IP address, not any of the hardware.

Both Suzanne and Anastacia complained that the EI Socorro internet connection was going up and down all morning. When I got to EI Socorro, I noticed the lights on the Flow modem as follows :-

POWER = ON (green)
DS = ON (orange)
US = Blinking (orange)
DLINK = OFF
LINK = ON (green)

I called Flow (1:31pm), spoke to Kevin Samai who acknowledged that the problem was on the Flow end and while they did not have an estimated repair time, they were working feverishly on it.

I let Anastacia & Jean know the situation.

Jean wants a time clock device. He does not mind it being independent of the payroll. I should ask Stephen.

I spoke to Silbourne and got his laptop connected to the internet but we could not get the HP laptop to connect.

In [JanPBX](#), the network config looks like

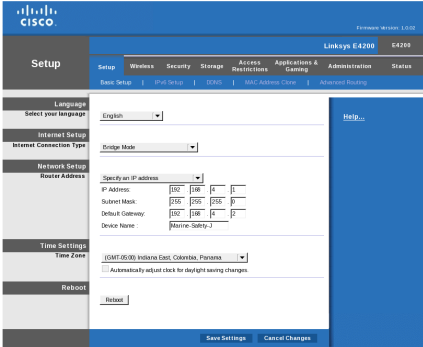
```
eth1 - set by DHCP
eth2 - 192.168.4.2
eth3.0 - 192.168.2.3

Gateway = 72.252.140.1

[root@jamba ~]# route -n
Kernel IP routing table
Destination      Gateway         Genmask         Flags Metric Ref    Use Iface
192.0.0.1        0.0.0.0        255.255.255.255 0      0      0      0 tun1
192.0.0.13       0.0.0.0        255.255.255.255 0      0      0      0 tun0
192.168.100.0    192.0.0.13    255.255.255.0   0      0      0      0 tun0
72.252.140.0    0.0.0.0        255.255.255.0   0      0      0      0 eth1
192.168.4.0      0.0.0.0        255.255.255.0   0      0      0      0 eth2
192.168.2.0      0.0.0.0        255.255.255.0   0      0      0      0 eth3
192.0.0.0        0.0.0.0        255.255.255.0   0      0      0      0 tun0
0.0.0.0         72.252.140.1   0.0.0.0         0      0      0      0 eth1

[root@jamba ~]#
```

• [jamaica-cisco-linksys-wifi-router-in-bridged-mode.png](#)



```
[root@jamba ~]# cat /etc/rc.local
#!/bin/sh
#
# This script will be executed "after" all the other init scripts.
# You can put your own initialization stuff in here if you don't
# want to do the full Sys V style init stuff.

touch /var/lock/subsys/local
/usr/local/sbin/motd.sh > /etc/motd
/usr/sbin/fortune -s
/usr/sbin/ntpdate start_top

#sbin/ifconfig eth1 192.168.4.2 netmask 255.255.255.0 up
#sbin/ifconfig eth2 192.168.4.2 netmask 255.255.255.0 up
#sbin/ifconfig eth3 192.168.2.3 netmask 255.255.255.0 up
#route add default gateway 192.168.4.1
#route add default gateway 192.168.2.1

#sbin/ifconfig eth1 72.252.140.106 netmask 255.255.255.0 up
#route add default gateway 72.252.140.1
#sbin/ifconfig eth1 72.27.222.19 netmask 255.255.255.0 up
#route add default gateway 72.27.222.1

echo =
nameserver 8.8.8.8
nameserver 8.8.4.4
nameserver 208.133.164.85
nameserver 198.133.176.126
" = /etc/resolv.conf

#noting ifreload.sh
echo 1 > /proc/sys/net/ipv4/ip_forward

/etc/rc.d/init.d/openvpn start
[root@jamba ~]#

[root@jamba ~]# lspci
00:00.0 Host bridge: Intel Corporation 4 Series Chipset DRAM Controller (rev 03)
00:02.0 VGA compatible controller: Intel Corporation 4 Series Chipset Integrated Graphics Controller (rev 03)
00:1b.0 Audio device: Intel Corporation 82801DB 7 Family High Definition Audio Controller (rev 03)
00:1c.0 PCI bridge: Intel Corporation 82801DB 7 Family PCI Express Port 1 (rev 03)
00:1c.1 PCI bridge: Intel Corporation 82801DB 7 Family PCI Express Port 2 (rev 03)
00:1c.2 PCI bridge: Intel Corporation 82801DB 7 Family PCI Express Port 3 (rev 03)
00:1d.0 USB Controller: Intel Corporation 82801DB 7 Family USB UHCI Controller #1 (rev 03)
00:1d.1 USB Controller: Intel Corporation 82801DB 7 Family USB UHCI Controller #2 (rev 03)
00:1d.2 USB Controller: Intel Corporation 82801DB 7 Family USB UHCI Controller #3 (rev 03)
00:1d.3 USB Controller: Intel Corporation 82801DB 7 Family USB UHCI Controller #4 (rev 03)
00:1e.0 PCI bridge: Intel Corporation 82801DB 7 Family PCI Express Port 1 (rev 03)
00:1f.0 ISA bridge: Intel Corporation 82801DB/DBM (ICH7 Family) LPC Interface Bridge (rev 03)
00:1f.1 IDE interface: Intel Corporation 82801DB (ICH7 Family) IDE Controller (rev 03)
00:1f.2 SATA controller: Intel Corporation 82801DB 7 Family SATA IDE Controller (rev 03)
02:00.0 Ethernet controller: Atheros Communications AR8132 Fast Ethernet (rev c0)
04:00.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL8101E PCI-E port 10Gb NIC (rev 10)
04:01.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL-8139/8139C/8139C+ (rev 10)
[root@jamba ~]#

udev daehd rules
[root@jamba ~]# cat 19
cat /etc/udev/rules.d/daehd.rules
# udev rules to generate the /dev/daehd device files (if not yet provided)
# by your distribution)
KERNEL=="daehd1*", NAME=="daehd/cst1"
KERNEL=="daehd1transcode*", NAME=="daehd/transcode"
KERNEL=="daehd1timer*", NAME=="daehd/timer"
KERNEL=="daehd1channel*", NAME=="daehd/channel"
KERNEL=="daehd1sensor*", NAME=="daehd/sensor"
KERNEL=="daehd10-91*", NAME=="daehd/hu"

# DAHD1 device with ownership/permissions for running as non-root
SUBSYSTEM=="daehd", OWNER=="asterisk", GROUP=="asterisk", MODE="0660",
[root@jamba ~]#

THIS IS THE ADD-IN CARD WE HAD TO BUY WHAT I INITIALLY COULDN'T GET THE ON-BOARD NIC TO WORK

[root@jamba ~]# network-scripts cat /etc/sysconfig/network-scripts/ifcfg-eth1
DEVICE=eth1
BOOTPROTO=none
ONBOOT=yes
HWADDR=08:3a:35:04:15:b0
TYPE=Ethernet
IPADDR=
NETMASK=
MZENCNFW=yes
MINDOCAST=192.168.1.255
NETWORK=192.168.1.0

THIS IS THE ON-BOARD NIC THAT I HAD TO DOWNLOAD THE DRIVER FOR

[root@jamba ~]# network-scripts cat /etc/sysconfig/network-scripts/ifcfg-eth2
# Atheros Communications AR8132 Fast Ethernet
DEVICE=eth2
BOOTPROTO=static
ONBOOT=yes
HWADDR=08:00:27:00:00:00
TYPE=Ethernet
IPADDR=192.168.4.2
```

```
NETMASK=255.255.255.0
NOZEROCONF=yes
BRIDGEACAST=192.168.4.255
NETGWS=192.168.4.0

THIS IS A HACK TO BRING THE DESKTOP PCs (already on the 192.168.2.0 subnet) TO GET INTERNET ACCESS
IF PCs USE ACCESS, THIS MAY NEED TO BE RE-DOING
ifconfig eth2:0 192.168.2.3 netmask 255.255.255.0 up

[root@lanbox network-scripts]# cat /etc/sysconfig/network-scripts/ifcfg-eth2:0
# Athrus Communications AR8132 Fast Ethernet
DEVICE=eth2:0
BOOTPROTO=static
ONBOOT=yes
HWADDR=08:00:0A:61:64:27:51
TYPE=Ethernet
IPADDR=192.168.2.3
NETMASK=255.255.255.0
NOZEROCONF=yes
BRIDGEACAST=192.168.2.255
NETGWS=192.168.2.0
GATEWAY=192.168.4.1
```

Wed Nov 21 12:51:06 AST 2012

I sent something to print on the Sales HP 2015 but it didn't come out. Then, I realised that CUPS was pointing to a USB connection to this printer. But the printer was connected to a network cable, not a USB cable.

I re-did the printer with the correct URI and it printed. The question is, how did it get changed?

Something of Karen's printed out which she said she had sent in September.

How have they been printing all this time?

Sebastian got an email from the AIS people indicating that the device was not sending its data. I checked the IP address and it was conflicted with my Nagios VM. I moved the Nagios VM to 192.168.100.11 and asked Sebastian to re-boot the device. Which I assume he did coz now I can browse to the device.

Wed Nov 21 13:43:16 AST 2012

Anastacia called, saying the internet was going up and down. When I called Flow, there was an automatic announcement talking about the problem and that they were working on a solution. I called her back to let her know.

Thu Nov 22 10:27:37 AST 2012

Anthony Awon came with an SD card he wanted checked. I stuck it in my PC and it came up ok. He went away happy.

I told Sebastian to try the recordings URL again, having since fixed the VPN routing issue that was facking it up.

I called Chioma about the broken chair and the dripping air conditioner in my office.

I called Jason to remind him about the printers.

Anastacia confirmed that the internet connection was working properly.

Fri Nov 23 2012

Sometime on Friday (14:58h), I discovered that Caroline's printer was working perfectly. I took the other printer to Snikka on my motorbike coz Jason Peters, despite repeated promises, let me down.

Sun Nov 25 22:23:12 AST 2012

Oops! had things are happening on SVR. Can't have that.

email from mdadm monitoring on SVR

```
mdadm monitoring root@lan.mcl.co.tt
Nov 24 (1 day ago)
to admin, root@peach.
This is an automatically generated mail message from mdadm running on peach.lan.mcl.co.tt.

A Degraded/Array event has been detected on md device /dev/md1.

[root@peach ~]# cat /proc/mdstat
Personalities : [raid1]
md2 : active raid1 sdb2[2]
      390604288 blocks [2/1] _U

md1 : active raid1 sdb1[1]
      184320 blocks [2/1] _U

unused devices:
[root@peach ~]#
```

Mon Nov 26 10:15:02 AST 2012

8:23am Snikka called to say that the printer was full of ants and the main board was fried, along with the ants. I told them to dump it.

Dana wants March 2012 Peachtree backup

Mon Nov 26 13:07:46 AST 2012

Re-building RAID

```
# Copy partition table from /dev/sda to /dev/sdb
#
fdisk -d /dev/sda1 > fdisk /dev/sdb
# Check how RAID is currently set up
#
[root@peach ~]# cat /proc/mdstat
Personalities : [raid1]
md2 : active raid1 sdb2[1]
      390604288 blocks [2/1] _U

md1 : active raid1 sdb1[1]
      184320 blocks [2/1] _U

unused devices:
#
# Add /dev/sdb2 to the /dev/md2 RAID
#
[root@peach ~]# mdadm --manage --add /dev/md2 /dev/sdb2
mdadm: hot added /dev/sdb2
# Check to see if it was added
[root@peach ~]# cat /proc/mdstat
Personalities : [raid1]
md2 : active raid1 sdb2[2] sdb1[1]
      390604288 blocks [2/1] _U
[=====] recovery = 0.6% (97152/390604288) finish=133.9min speed=48570K/sec
md1 : active raid1 sdb1[1]
      184320 blocks [2/1] _U

unused devices:
# Add /dev/sdb1 to the /dev/md1 RAID
#
[root@peach ~]# mdadm --manage --add /dev/md1 /dev/sdb1
mdadm: hot added /dev/sdb1
# Check that it was added
[root@peach ~]# cat /proc/mdstat
Personalities : [raid1]
md2 : active raid1 sdb2[2] sdb1[1]
      390604288 blocks [2/1] _U
[=====] recovery = 0.2% (387768/390604288) finish=138.1min speed=4780K/sec
md1 : active raid1 sdb1[2] sdb1[1]
      184320 blocks [2/1] _U
[=====] recovery=DELAYED
unused devices:
[root@peach ~]#
```

Something is telling me that I assumed SME automatically re-builds the RAID. It seems I was wrong about that. So, the original drive may actually be working. I put it into the HP PC and I am running a DPS Self-Test on it to see what happens.

Mon Nov 26 14:56:59 AST 2012

The 500GB SATA hard drive from SVR (/dev/sdb) passed the DPS Self-test without errors. So it's working. Go figure.

Tue Nov 27 07:18:47 AST 2012

Last night, I worked on figuring out what was wrong with the Peachtree backups.

I tried running the scheduled task manually but it completed so quickly that I knew something was wrong. A look in the Event Viewer foud this message

An unknown error occurred compressing the database files.

Of course, there was no useful information regarding this message on the internet, so I did to try a data verification coz that does a backup prior to its checks. At least, that way I would have a backup.

Surprise, surprise. The data verification failed with the message

The following error occurred during backup. DynaZIP error #18. The backup process was unsuccessful. Select Help for information.

Then, it went on with some blather about file permissions or missing files.

I noticed in Task Manager that some users were still running Peachtree processes. Since this was after 11pm, they should all be logged out, and indeed, I'd checked that first.

I surmised that some user processes hadn't closed properly and were still holding files open and that was why the backups didn't work.

I reboot the Snuffy VM. When it came back up, it passed data verification without any errors and then I ran the scheduled backup task manually without any problems.

So, something to look out for. Why are user processes not closing properly? Peachtree really is a steaming, festering pile of shit.

Tue Nov 27 10:36:31 AST 2012

Karen finally noticed that the RETAIL wifi was missing. So, I bowed to the inevitable and set it up again for her. Now, she is happy.

Tue Nov 27 19:55:47 AST 2012

Brianna found a problem with the TT invoices format. It is not picking up changes to invoices. It seems to be pulling from the first invoice made. If you reverse the invoice and then edit it, it does not up the change. How weird. Where is it pulling its data from?

Ok, fixed that - see here

[OpenERPOpenOfficeReport](#)

[http://planet.dumense.com/en/2011/10/linking-openerp-to-cups-printers-base_report_to_printer/](#)

Wed Nov 28 10:15:21 AST 2012

Chioma called, saying she couldn't get to Snuffy. Her temporary TS license had expired, so I fixed it.

Dana emailed about the Firefox/RTTT thing again. I couldn't find anything wrong with her machine. I asked her to try it on Roma's or Joelle's machine. She agreed to do so. Waiting for her callback.

Sharon Reid called, needed upgrade to Acrobat to fill out Canadian visa form for Noel's visit. I vnc'd to her PC and installed it. I showed her how to download it to the desktop and open it outside of Chrome. She's good now.

I spoke to Brianna, explaining that SHE needs to discuss the reprint invoice issue with Silbourne & Dana and get them to authorise changing the setting. She needs to follow this up with an email so that the decision is documented.

Friday, 30th November 2012

We (all three of us, Lisa, Mariella and myself) attended at the birth of Mariella's new Canon wifi printer. After much voodoo and incantations, (chicken heads were cut off and roasted over red candles), the printer finally connected to the Lange-wifi router and appeared triumphantly on Mariella's desktop in pride of place as the Default Printer.

The secret to the ritual is NOT TO USE WIFI PROTECTED SETUP, but simply enter the normal wifi password into the printer directly using the on-screen menu. God help us if the little screen ever dies.

So far for the morning, I have managed to totally fck the mint installation on the netbook, so I'm doing it over with Slackware.

21:15

I have Slackware installed, working with Twiki, wifi etc. All's good.

This morning, Bianca and I fixed the water line again. She spent the rest of the day digging under the house. I tried to recover from fixing the pipe. Really out of condition. I finished reading "The Folk Keeper" by Frances Billingsley. Weird plot, but wonderful phasing, lovely descriptions.

Tonight, I installed Linux mint on Claire's computer so she can use Kdenlive to render her project. We're very hopeful that it will work well for her.

-- [TWikiGuest](#) - 12 Jul 2010

Monday - went to Arima to the bank but it was full, so went to the mall to try to download fog. Tried twice, but it gave errors. I'm copying the VM back to mani now, so I can see what it did get.

The week so far

Last Saturday, we went to Eve's grad

Monday - Adrian Jeffers called and I spent Tuesday and Wednesday at Nedco setting up TFTP servers with rdesktop running on the front end. Crazy but true.

Tuesday - Nedco

Wednesday - Nedco

Thursday - dropped off invoices for MCL & Nedco; went back for Claire late with Eve; went to TTCS meeting; came back late

Friday - dropped Claire to school; spent time by Arthur's trying to download wifi driver for Mint; no luck; went to mall for food; came home

Saturday - HALCU meeting

-- [TWikiGuest](#) - 10 Jul 2010

well, we went down to Arthur's yesterday while waiting for Claire to finish school. I tried downloading the wifi driver for mint but without success.

We had the 2nd HALCU board meeting this afternoon. Afterwards, Paul and I took the new server downstairs to the HALCU office. I'll have to go in on Monday to set it up.

Then, I went to Arthur's to pick up Eve after her rehearsal. She has to go back tomorrow again, same time 11am to 13pm. So, I'll have to find somewhere to hang out for a couple of hours.

-- [TWikiGuest](#) - 09 Jul 2010

Trying to get Linux Mint onto a 1GB flash drive. Booting off the network, oops mint not mounted, mount it with

```
sudo mount iso/linmint-9-gnome-i386.iso /mnt -o loop
```

I spent a good day or so getting the boot command line worked out. Still didn't get the pretty splash screen to work but it boots now.

I had to copy the linumint-9-gnome-i386.iso file across to my 8.1GB SD CARD filesystem using scp, coz mint's startup disk creator didn't support using it mounted over from a sftp mount. But now it seems to be running. I don't know why the Ubuntu Netbook 10.04 iso can't fit on the same 1GB flash drive. I wonder how much space mint will occupy on the flash drive when this is done. When I mount the flash drive under Slackware, it says 952MB is the size of the mounted flash drive. Hmm. Probably I need to buy some more flash drives.

Can I get Ubuntu Netbook 10.04 to boot off PXE?

Ok, mint boots off the 1GB flash drive. So, success. It behaves as tho' it was a CD-ROM. Do files persist over re-boots? Ok, I tested this and yes, files persist. Which is good. I seem to have 106MB free. Not much. But that's OK. I can buy a bigger drive someday.

Paul called while I was on my way to pick up Claire yesterday afternoon. He said

1. the HALCU server had arrived
2. they haven't had internet access in two days due to authentication errors. He wanted me to log off so he could check it. I totally forgot about this and went to the TTCS pizza lime instead. He must be so pissed. I know I would be if the shoe was on the other foot.

-- [TWikiGuest](#) - 02 Jul 2010

Yesterday, I was working on installing Slackware 13.1 on the Dell Mini. It took all day. Very tiring.

Part of the problem is that there is no way to separate unused stuff from stuff that's actually useful. How does Tomas get Slax down to 200MB? Are there forums where he explains this?

It frustrates me to have to install huge packages that I hardly or never use just to be able to install a tiny driver. I had to install the whole kernel source just to compile the wifi driver. PITA!

Then, I had to install python coz wifi-radar uses python. So, I need something compiled in C to do wifi now. Sourceforge, I guess.

Looks like I'm back to wicd.

I use

- firefox - all the time
- twiki
- ratpoison - I couldn't get this to compile cleanly under 13.1 - I'm using the executable compiled under 12.2 - thankfully it still works
- ssh
- nmap - all the time
- screen
- lots of command line utilities
- the compiler

I'm missing portmap or rpc or something coz NFS doesn't want to work.

Installed portmap and nfs-utils from /mirror/slackware. Now NFS works (after chmod +x /etc/rc.d/rc.rpc, etc.) Cool, so now I can get to /mirror/slackware without having to go through the whole re-boot and install sequence.

I'm downloading wicd-1.7.0 from slackwareextra now.

I need a script in /etc/rc.d/rc.local to check the boot command line to get something like

1. Home - wifi only
2. Home - wired
3. Mall or outside home

It might be good if I could hard-code the ssid for the mall so speed things up when I go there as well.

I had trouble with wicd the last time I used it. What was that about again?

Can I use mod_perl without having to have the whole perl interpreter and its related junk installed as well? Wishful thinking here.

The Slax on the USB key seems to be retaining changes past re-boots. When I install the wifi driver for 12.2 on it and have it auto-install the driver on boot?

Does Slax have a good wifi manager under KDE?

Ok, wicd looks good. Works ok so far. And it doesn't need python, I think.

How do I boot the mini off an iso mounted on mani?

I want to buy a metal-bladed fan, wall-mounted if possible, else floor.

If I buy a case with room for 4 drives and good fans, I can replace Jack with a machine that has the 2 1TB drives.

MigratingAFilesystemToaRAID

11 Aug 2013 - 16:01 - NEW

Main.rhamel

* Migrating an existing filesystem to a RAID1 array*

One thing that happens many times is that someone sets up a system with just a single hard drive and then later decides to make the system redundant by adding a second drive and setting up RAID1 mirroring. This used to be a rather complex procedure that required several reboots however now with live CD distros such as Knoppix you can make it much easier. Here are the steps to migrate a system with a single /dev/sda to a RAID1 using a brand new /dev/sdb:

YOU MUST SET THE PARTITION TYPE TO "LINUX RAID AUTODETECT!"

1. Shut down the system, add the new drive, and boot from Knoppix
2. Duplicate the partition table on the old disk to the new disk using the sfdisk trick I showed earlier.
3. Create degraded RAID1 arrays for each non-swap partition like this:

```
mdadm --create /dev/md0 --level=1 --raid-devices=2 /dev/sdb1 missing
```
1. Create filesystems on the new raid arrays
2. Mount both the old /dev/sda? partitions and the new /dev/md?? arrays
3. Copy all data from the old partitions to the new arrays (The arrays will be a tiny amount smaller due to the md superblock)
4. Unmount the old partitions
5. Use mdadm --manage to add the old partitions to the array and let them sync up
6. While it is syncing the disks modify the /etc/fstab and grub config files to show the new md device names
7. If using lilo reinstall it
8. Once the resync is finished reboot the system from the disks and it should come up like normal with the array mounted.

ProxmoxSoftwareRaid

11 Aug 2013 - 16:03 - NEW

Main.rhamel

<http://forum.proxmox.com/threads/38-Install-on-Soft-Raid>

I have a testing box that didn't have a hardware raid card in it so I decided to see if I could get this going for grins. I'm fairly certain this whole setup would break at the least desirable moment and I certainly won't be using this for any production boxes, but it was an interesting diversion into the world of software raid which I'd never used before. The basic order I followed is:

Install Proxmox as usual onto 1 drive(/dev/sda)

```
aptitude install mdadm initramfs-tools
```

Edit the modules list for initramfs-tools to force add the raid1 module

```
mkinitramfs -o /boot/init -r /dev/mapper/pve-root
```

add a grub list entry to point to my new initrd image

YOU MUST SET THE PARTITION TYPE TO "LINUX RAID AUTODETECT!"

fdisk the 2nd disk to look exactly like the first disk

```
mdadm --create /dev/md0 --level=1 --raid-devices=2 missing /dev/sdb1
mdadm --create /dev/md1 --level=1 --raid-devices=2 missing /dev/sdb2
mdadm --detail --scan >> /etc/mdadm/mdadm.conf
```

```
pvcreate /dev/md1
vgcreate pve /dev/md1
pvmove /dev/sdb2 /dev/md1
vgreduce pve /dev/sdb2
```

```
mdadm --add /dev/md1 /dev/sdb2
watch -a 1 "cat /proc/mdstat"
```

```
mkfs.xfs /dev/md0
mkdirls /mnt/md0
mount /dev/md0 /mnt/md0
cp -ax /boot /mnt/md0
```

edit fstab to map the /boot to /dev/md0

```
trfdisk --change-id /dev/sda1 16
mdadm --add /dev/md0 /dev/sda1
```

use grub to install bootloaders onto the 2nd hard drive

Topics in Nedco web:

Number of topics: 0

Topics in PREMIER web:

Number of topics: 0

Topics in Principal web:

Number of topics: 0

Topics in RCS web:

Number of topics: 0

Topics in Sandbox web:

Number of topics: 0

Topics in TSTT web:

Number of topics: 0

Topics in TWiki web:

Number of topics: 0

Topic WebHome . { }

Changed: GMT

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