

V210 BGE0@1000FDX

Source: <http://unix.derkeiler.com/Mailing-Lists/SunManagers/2005-10/0257.html>

From: Bongumusa Mnguni [MTN – Innovation Centre] (*Mnguni_Bo_at_mtn.co.za*)

Date: 10/26/05

Date: Wed, 26 Oct 2005 18:00:28 +0200

To: <sunmanagers@sunmanagers.org>

Hi,

When connecting a server to a Gig interface you need to enable autoneg on the server. It will pick up the correct speed automatically. It becomes a problem when trying to force it especially if using Cisco switches.

Normally I run the following script

```
ndd -set /dev/bge0 adv_autoneg_cap 1
nnd -set /dev/bge0 adv_1000fdx_cap 1
nnd -set /dev/bge0 adv_1000hdx_cap 0
nnd -set /dev/bge0 adv_100fdx_cap 0
nnd -set /dev/bge0 adv_100hdx_cap 0
nnd -set /dev/bge0 adv_10fdx_cap 0
nnd -set /dev/bge0 adv_10hdx_cap 0
```

Hope that it resolves your problem.

Regards

Musa

-----Original Message-----

From: sunmanagers-bounces@sunmanagers.org

[mailto:sunmanagers-bounces@sunmanagers.org] On Behalf Of

sunmanagers-request@sunmanagers.org

Sent: Wednesday, 26 October 2005 05:31 PM

To: sunmanagers@sunmanagers.org

Subject: sunmanagers Digest, Vol 31, Issue 28

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sunmanagers@sunmanagers.org

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or, via email, send a message with subject or body 'help' to

sunmanagers-request@sunmanagers.org

SunManagers: V210 BGE0@1000FDX

You can reach the person managing the list at
sunmanagers-owner@sunmanagers.org

When replying, please edit your Subject line so it is more specific
than "Re: Contents of sunmanagers digest..."

Today's Topics:

1. V210 BGE0@1000FDX (Adam Tomkinson)
2. System Crash... (giridhar.reddyk@wipro.com)
3. System Crash... (giridhar.reddyk@wipro.com)
4. NFS oddity (for me at least) (Paveza, Gary)
5. Blocked port after process kill (Andreas H?schler)
6. Solaris 9 vs Solaris 10 comparisons (Hirchert, Dale L)
7. SUMMARY: NFS oddity (for me at least) (Paveza, Gary)
8. question about ufsrestore inode number (sara sodagar)
9. how to reset SunSAI/P port (B Bong)

Message: 1

Date: Wed, 26 Oct 2005 12:12:24 +0100

From: "Adam Tomkinson" <adam.tomkinson@rtel.com>

Subject: V210 BGE0@1000FDX

To: <sunmanagers@sunmanagers.org>

Message-ID: <6E021612E9D8E64CAEA7FBB4DDD614BD4AC78C@rtmail.rtel.com>

Content-Type: text/plain; charset="us-ascii"

Hi Folks,

I've had no problem getting the interface up at 100FDX but when I try to
shift

to 1000FDX the interface goes down. It makes no difference if I modify
/platform/sun4u/kernel/drv/bge.conf and reboot, also:

```
ndd -set /dev/bge0 adv_autoneg_cap 0
ndd -set /dev/bge0 adv_1000fdx_cap 1
ndd -set /dev/bge0 adv_100fdx_cap 0
```

The nic is plugged directly into the 1Gbit switch and have also tried it
in
the hub but to no avail. Running at 100FDX I'm only getting approx 30k/s
via
ftp.

Any ideas?

Adam Tomkinson
Unix (Solaris) Engineer/Consultant
Realtime Engineering Ltd
Academy House

V210 BGE0@1000FDX

Academy Pk
Gower Street
Glasgow
G51 1PR
Tel. +44 141 427 4246

Message: 2

Date: Wed, 26 Oct 2005 17:13:17 +0530

From: <giridhar.reddyk@wipro.com>

Subject: System Crash...

To: <sunmanagers@sunmanagers.org>

Message-ID:

<E58D594F8055B34E99C45D14DC0884C01CBEB5@HYD-MKD-MBX01.wipro.com>

Content-Type: text/plain; charset="us-ascii"

Hi Experts,

I have a E 250 machine which has crashed. The error message is as follows from /var/adm/messages.

```
Oct 26 08:40:52 wecdserver ^Mpanic[cpu0]/thread=3000d1e9d00:
Oct 26 08:40:52 wecdserver unix: [ID 816072 kern.notice]
vmem_xalloc(30000012ec8, 16785408, 8192, 0, 16777216, c0000000, 1000
0000, 1): overconstrained allocation
Oct 26 08:40:52 wecdserver unix: [ID 100000 kern.notice]
Oct 26 08:40:52 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1ce80 genunix:vmem_xalloc+fc (30000012ec8, 1002000, 20
00, 0, 1000000, c0000000)
Oct 26 08:40:52 wecdserver genunix: [ID 179002 kern.notice] %l0-3:
000003000d8d0b38 0000000000000000 0000030000012ec8 00000
00001002000
Oct 26 08:40:52 wecdserver %l4-7: 0000000000000000 0000000000000000
fffffffffffffff 00000000fedba004
Oct 26 08:40:52 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1cfb0 pcipsy:pci_dma_map_impl+8e4 (801, 1, 1, 550, 300
0d8d0a48, 30000163dd8)
Oct 26 08:40:53 wecdserver genunix: [ID 179002 kern.notice] %l0-3:
000002a101c1d250 00000000000000801 0000030000a49e08 00000
00000000801
Oct 26 08:40:53 wecdserver %l4-7: 0000000000000000 000003000d8d0b38
000000000000000f 0000000000000000
Oct 26 08:40:53 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1d0e0 pcipsy:pci_dma_bindhdl+38 (30000165dd0, 30000163
dd8, 3000d8d0a48, 2a101c1d250, 3000d8316a8, 3000d8316c0)
Oct 26 08:40:53 wecdserver genunix: [ID 179002 kern.notice] %l0-3:
0000030000165dd0 0000000000000007e 0000030013fe1430 00000
3000b2e1ba0
Oct 26 08:40:53 wecdserver %l4-7: 000002a100f8b4d8 0000000000000000
000003000e2daf88 000002a100f8bba0
```

SunManagers: V210 BGE0@1000FDX

Oct 26 08:40:53 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1d1a0 genunix:ddi_dma_buf_bind_handle+e8 (3000d8d0a48,
3000247fce8, 12, 0, 0, 3000d8316a8)
Oct 26 08:40:53 wecdserver genunix: [ID 179002 kern.notice] %l0-3:
00000300002c4380 000003000ec2c780 0000000078106b58 00000
3000b5c8c70
Oct 26 08:40:53 wecdserver %l4-7: 0000002100000089 000000007810665c
0000000000000000 000003000df12a00
Oct 26 08:40:53 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1d290 glm:glm_scsi_init_pkt+1ec (3000d831698, 3000d831
6a8, 0, 0, 0, 0)
Oct 26 08:40:53 wecdserver genunix: [ID 179002 kern.notice] %l0-3:
000003000247fce8 000003000ceb0dc8 000003000d8317c8 00000
30000a3c000
Oct 26 08:40:54 wecdserver genunix: [ID 179002 kern.notice] %l0-3:
00000000101234c8 0000000000002000 000003000d41b378 00000
3000e7fc778
Oct 26 08:40:54 wecdserver %l4-7: 000002a101c1d7a8 0000000000000000
000003000d42ad20 0000000000000000
Oct 26 08:40:54 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1d810 st:st_rw+13c (3000ab9f690, 2a101c1d978, 40, 2100
000089, 40, 8000000)
Oct 26 08:40:54 wecdserver genunix: [ID 179002 kern.notice] %l0-3:
00000000100c244c 0000000000000000 0000000000000040 00000
000000000000
Oct 26 08:40:54 wecdserver %l4-7: 0000000000810a000 000002a101c1d978
000003000d41b378 000002a101c1daf0
Oct 26 08:40:54 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1d8c0 genunix:read+25c (0, 0, 2001, 3000d51c2d8, 3, 80
00000)
Oct 26 08:40:54 wecdserver genunix: [ID 179002 kern.notice] %l0-3:
000000001014be44 0000000008000000 000003000d927838 00000
30002361ea0
Oct 26 08:40:54 wecdserver %l4-7: 00000000000000001 00000300023ca000
0000000000000000 000002a101c1d910
Oct 26 08:40:54 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1da40 genunix:read32+30 (3, 10c550, 8000000, 0, 0, 0)
Oct 26 08:40:54 wecdserver genunix: [ID 179002 kern.notice] %l0-3:
000000000001a33c 0000000000000000 000003000e5c6a90 00000
000000000000
Oct 26 08:40:54 wecdserver %l4-7: 0000000000010031 000003000ec2c780
0000000000000000 00000000000000002
Oct 26 08:40:54 wecdserver unix: [ID 100000 kern.notice]
Oct 26 08:40:54 wecdserver genunix: [ID 672855 kern.notice] syncing file
systems...
Oct 26 08:40:55 wecdserver genunix: [ID 733762 kern.notice] 258
Oct 26 08:40:57 wecdserver genunix: [ID 733762 kern.notice] 204
Oct 26 08:40:58 wecdserver genunix: [ID 904073 kern.notice] done
Oct 26 08:40:59 wecdserver genunix: [ID 353387 kern.notice] dumping to
/dev/dsk/c0t0d0s1, offset 419495936
Oct 26 08:41:34 wecdserver genunix: [ID 409368 kern.notice] ^M100% done:

53360 pages dumped, compression ratio 2.85,
Oct 26 08:41:34 wecdserver genunix: [ID 851671 kern.notice] dump
succeeded
Oct 26 08:43:14 wecdserver genunix: [ID 540533 kern.notice] ^MSunOS
Release 5.8 Version Generic_108528-13 64-bit

Has anybody gone through this problem? If so suggest me.
Can you give me the reason why it got crashed? Is the problem with RAM?

Thanks and Regards,
Giridhar.

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Message: 3
Date: Wed, 26 Oct 2005 17:33:54 +0530
From: <giridhar.reddyk@wipro.com>
Subject: System Crash...
To: <sunmanagers@sunmanagers.org>
Message-ID:
<E58D594F8055B34E99C45D14DC0884C01CBEB6@HYD-MKD-MBX01.wipro.com>
Content-Type: text/plain; charset="us-ascii"

Hi Experts,

I have a E 250 machine which has crashed. The error message is as
follows from /var/adm/messages.

Oct 26 08:40:52 wecdserver ^Mpanic[cpu0]/thread=3000d1e9d00:
Oct 26 08:40:52 wecdserver unix: [ID 816072 kern.notice]
vmem_xalloc(30000012ec8, 16785408, 8192, 0, 16777216, c0000000, 1000
00000, 1): overconstrained allocation
Oct 26 08:40:52 wecdserver unix: [ID 100000 kern.notice]
Oct 26 08:40:52 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1ce80 genunix:vmem_xalloc+fc (30000012ec8, 1002000, 20
00, 0, 1000000, c0000000)
Oct 26 08:40:52 wecdserver genunix: [ID 179002 kern.notice] %l0-3:
000003000d8d0b38 0000000000000000 0000030000012ec8 00000
00001002000

SunManagers: V210 BGE0@1000FDX

Oct 26 08:40:52 wecdserver %14-7: 0000000000000000 0000000000000000
fffffffffffffff 0000000fedba004

Oct 26 08:40:52 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1cfb0 pcipsy:pci_dma_map_impl+8e4 (801, 1, 1, 550, 300
0d8d0a48, 30000163dd8)

Oct 26 08:40:53 wecdserver genunix: [ID 179002 kern.notice] %10-3:
000002a101c1d250 0000000000000801 0000030000a49e08 00000
00000000801

Oct 26 08:40:53 wecdserver %14-7: 0000000000000000 000003000d8d0b38
000000000000000f 0000000000000000

Oct 26 08:40:53 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1d0e0 pcipsy:pci_dma_bindhdl+38 (30000165dd0, 30000163
dd8, 3000d8d0a48, 2a101c1d250, 3000d8316a8, 3000d8316c0)

Oct 26 08:40:53 wecdserver genunix: [ID 179002 kern.notice] %10-3:
0000030000165dd0 000000000000007e 0000030013fe1430 00000
3000b2e1ba0

Oct 26 08:40:53 wecdserver %14-7: 000002a100f8b4d8 0000000000000000
000003000e2daf88 000002a100f8bba0

Oct 26 08:40:53 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1d1a0 genunix:ddi_dma_buf_bind_handle+e8 (3000d8d0a48,
3000247fce8, 12, 0, 0, 3000d8316a8)

Oct 26 08:40:53 wecdserver genunix: [ID 179002 kern.notice] %10-3:
00000300002c4380 000003000ec2c780 0000000078106b58 00000
3000b5c8c70

Oct 26 08:40:53 wecdserver %14-7: 0000002100000089 000000007810665c
0000000000000000 000003000df12a00

Oct 26 08:40:53 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1d290 glm:glm_scsi_init_pkt+1ec (3000d831698, 3000d831
6a8, 0, 0, 0, 0)

Oct 26 08:40:53 wecdserver genunix: [ID 179002 kern.notice] %10-3:
000003000247fce8 000003000ceb0dc8 000003000d8317c8 00000
30000a3c000

Oct 26 08:40:54 wecdserver genunix: [ID 179002 kern.notice] %10-3:
00000000101234c8 0000000000000200 000003000d41b378 00000
3000e7fc778

Oct 26 08:40:54 wecdserver %14-7: 000002a101c1d7a8 0000000000000000
000003000d42ad20 0000000000000000

Oct 26 08:40:54 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1d810 st:st_rw+13c (3000ab9f690, 2a101c1d978, 40, 2100
000089, 40, 8000000)

Oct 26 08:40:54 wecdserver genunix: [ID 179002 kern.notice] %10-3:
00000000100c244c 0000000000000000 0000000000000040 00000
000000000000

Oct 26 08:40:54 wecdserver %14-7: 000000000810a000 000002a101c1d978
000003000d41b378 000002a101c1daf0

Oct 26 08:40:54 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1d8c0 genunix:read+25c (0, 0, 2001, 3000d51c2d8, 3, 80
00000)

Oct 26 08:40:54 wecdserver genunix: [ID 179002 kern.notice] %10-3:
000000001014be44 0000000008000000 000003000d927838 00000
30002361ea0

SunManagers: V210 BGE0@1000FDX

Oct 26 08:40:54 wecdserver %14-7: 0000000000000001 00000300023ca000
0000000000000000 000002a101c1d910
Oct 26 08:40:54 wecdserver genunix: [ID 723222 kern.notice]
000002a101c1da40 genunix:read32+30 (3, 10c550, 8000000, 0, 0, 0)
Oct 26 08:40:54 wecdserver genunix: [ID 179002 kern.notice] %10-3:
000000000001a33c 0000000000000000 000003000e5c6a90 00000
000000000000
Oct 26 08:40:54 wecdserver %14-7: 0000000000010031 000003000ec2c780
0000000000000000 00000000000000002
Oct 26 08:40:54 wecdserver unix: [ID 100000 kern.notice]
Oct 26 08:40:54 wecdserver genunix: [ID 672855 kern.notice] syncing file
systems...
Oct 26 08:40:55 wecdserver genunix: [ID 733762 kern.notice] 258
Oct 26 08:40:57 wecdserver genunix: [ID 733762 kern.notice] 204
Oct 26 08:40:58 wecdserver genunix: [ID 904073 kern.notice] done
Oct 26 08:40:59 wecdserver genunix: [ID 353387 kern.notice] dumping to
/dev/dsk/c0t0d0s1, offset 419495936
Oct 26 08:41:34 wecdserver genunix: [ID 409368 kern.notice] ^M100% done:
53360 pages dumped, compression ratio 2.85,
Oct 26 08:41:34 wecdserver genunix: [ID 851671 kern.notice] dump
succeeded
Oct 26 08:43:14 wecdserver genunix: [ID 540533 kern.notice] ^MSunOS
Release 5.8 Version Generic_108528-13 64-bit

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Giridhar.

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Message: 4
Date: Wed, 26 Oct 2005 09:11:28 -0500
From: "Paveza, Gary" <gary.paveza@AIG.COM>
Subject: NFS oddity (for me at least)
To: "'sunmanagers@sunmanagers.org'" <sunmanagers@sunmanagers.org>
Message-ID:
<011075EF5ED23844A1CAA16F7DE7F7D702E4785D@xwilmbx10.aigm.com>

V210 BGE0@1000FDX

Content-Type: text/plain

I'm trying to export an NFS share with read/write permissions to just one host.

On the NFS server, if I use the line:

```
share -F nfs -o rw=<hostname> <share>
```

where hostname is the name of the NFS client which will automount the filesystem (using the automountd daemon) and <share> is the directory to be shared.

This results in a access denied when I try to access this directory on the client

If I change the NFS server entry to :

```
share -F nfs -o rw <share>
```

It works just fine (of course, everyone can mount it then)

Using Solaris 9 for both server and client. Any ideas?

Gary Paveza, Jr.
Senior Systems Administrator – HP–UX CSE
(302) 252–4831 – phone

Message: 5
Date: Wed, 26 Oct 2005 16:40:44 +0200
From: Andreas H?schler <ahoesch@smartsoft.de>
Subject: Blocked port after process kill
To: sunmanagers@sunmanagers.org
Message-ID: <7D743BD4-462E-11DA-88A0-003065CCA582@smartsoft.de>
Content-Type: text/plain; charset=US-ASCII; format=flowed

Dear managers,

I have a process that opens a socket (port 61000). Sometimes this process stops working (we already have a clue why, still investigating...). If we kill the process and try to restart it we get an error message telling us that socket 61000 could not be bound. After waiting 4–6 minutes it works again. Is this normal? It seems that the port is freed by the OS after some timeout, but not immediately as a result of the process kill. Question: Can we force the OS to free the

port explicitly or how can we make sure that the OS frees it immediately when the corresponding process is killed?

Thanks a lot!

Regards,

Andreas

Message: 6
Date: Wed, 26 Oct 2005 10:39:09 -0400
From: "Hirchert, Dale L" <Dale.Hirchert-1@ksc.nasa.gov>
Subject: Solaris 9 vs Solaris 10 comparisons
To: <sunmanagers@sunmanagers.org>
Message-ID:

<1FFCF939CEB47140898A1076C54AF2B10880581A@kscems004.ksc.nasa.gov>
Content-Type: text/plain; charset="iso-8859-1"

Hi folks:

I'm looking for a document or link that shows a comparison of Sol. 9 RC scripts to Sol. 10 services. Does any know if such information exists?

Thanks!

Dale

Message: 7
Date: Wed, 26 Oct 2005 10:47:55 -0400
From: "Paveza, Gary" <gary.paveza@AIG.COM>
Subject: SUMMARY: NFS oddity (for me at least)
To: "'sunmanagers@sunmanagers.org'" <sunmanagers@sunmanagers.org>
Message-ID:
<011075EF5ED23844A1CAA16F7DE7F7D702E47889@xwilmbx10.aigm.com>
Content-Type: text/plain

The problem was with the hostname. For some reason, it wanted the FQDN instead of the short name. Once I put that in, it worked like a charm.

Thanks to everyone that helped (and those nice enough to tell me they were out of the office having a good time).

Mike Newton [jmnewton@duke.edu]
John Birtley [john@nemean.com]
Stan.Pietkiewicz@statcan.ca

Chris Ruhnke [ruhnke@us.ibm.com]
Horton, William M \ (I75\) [I75@bechteljacobs.org]
Andrew Williams [snowman@ican.net]

Gary Paveza, Jr.
Senior Systems Administrator – HP–UX CSE
(302) 252–4831 – phone

-----Original Message-----

From: sunmanagers-bounces@sunmanagers.org
[mailto:sunmanagers-bounces@sunmanagers.org] On Behalf Of Paveza, Gary
Sent: Wednesday, October 26, 2005 10:11 AM
To: 'sunmanagers@sunmanagers.org'
Subject: NFS oddity (for me at least)

I'm trying to export an NFS share with read/write permissions to just one host.

On the NFS server, if I use the line:

```
share -F nfs -o rw=<hostname> <share>
```

where hostname is the name of the NFS client which will automount the filesystem (using the automountd daemon) and <share> is the directory to be shared.

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Gary Paveza, Jr.
Senior Systems Administrator – HP–UX CSE
(302) 252–4831 – phone

sunmanagers mailing list
sunmanagers@sunmanagers.org
<http://www.sunmanagers.org/mailman/listinfo/sunmanagers>

SunManagers: V210 BGE0@1000FDX

Message: 8

Date: Wed, 26 Oct 2005 07:52:38 -0700 (PDT)

From: sara sodagar <sara_sodagar@yahoo.com>

Subject: question about ufsrestore inode number

To: sunmanagers@sunmanagers.org

Message-ID: <20051026145239.17350.qmail@web31804.mail.mud.yahoo.com>

Content-Type: text/plain; charset=iso-8859-1

Hi

I would like to know after performing ufsrestore inodes are allocated such that the inode numbers after the restore are identical to the inode numbers recorded on tape, or are they independent of the inode numbers recorded to tape?

Thanks in advance

Sara

Yahoo! FareChase: Search multiple travel sites in one click.

<http://farechase.yahoo.com>

Message: 9

Date: Wed, 26 Oct 2005 08:27:53 -0700 (PDT)

From: B Bong <sunmoon208@yahoo.com>

Subject: how to reset SunSAI/P port

To: sunmanagers@sunmanagers.org

Message-ID: <20051026152754.82806.qmail@web32010.mail.mud.yahoo.com>

Content-Type: text/plain; charset=iso-8859-1

Dear Sun Managers,

I've a V210 with Solaris 8 having a Multi Port Serial Cards SunSAI/P, one of the port is hung and how can I reset that particular serial port of Multi Port Serial Cards. Anyone knows of what command to reset that port as rebooting the server could be not possible as other port is still working fine.

Thanks in advance for your help.

Regards,

Nick

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<http://mail.yahoo.com>

V210 BGE0@1000FDX

sunmanagers mailing list
sunmanagers@sunmanagers.org
<http://www.sunmanagers.org/mailman/listinfo/sunmanagers>

End of sunmanagers Digest, Vol 31, Issue 28

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