

## RE: sunmanagers Digest, Vol 20, Issue 34

**Source:** <http://unix.derkeiler.com/Mailing-Lists/SunManagers/2004-11/0355.html>

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**From:** Bernard Hidayat (*bhidayat\_at\_itdiv.kompasgramedia.com*)

**Date:** 11/24/04

To: <sunmanagers@sunmanagers.org>

Date: Wed, 24 Nov 2004 09:58:27 +0700

Hi Managers,

I want to create a script to monitor our sf280r machine with vmstat command from 7:00 to 19:00. This is OK. The problem is:

I want to put the result in a directory that put month and date automatically (ex. 24th November result will be in 11\_24 directory)

My plan with the script is:

- Put it in crontab so it would run automatically
- The first step is creating directory that symbolized month and the date
- run vmstat and put the result into directory in previous step above

Can anyone help me please? Thanks in advance.

Regards,

Bernard Hidayat

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

From: sunmanagers-bounces@sunmanagers.org

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

Sent: Wednesday, November 24, 2004 2:23 AM

To: sunmanagers@sunmanagers.org

Subject: sunmanagers Digest, Vol 20, Issue 34

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sunmanagers@sunmanagers.org

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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. EMAIL SERVER SOFTWARE (Sam Mabjish)
2. How to edit NVRAM in a SF 280R? (Tony Magtalas)
3. SUMMARY: SDS/SVM on USB disks possible? (Webmaster – ITServ GmbH)
4. Enterprise collaboration (Steve Rieger)
5. SNMP on Solaris 2.6 (aggunia@comcast.net)
6. Tips and tricks for running a busy mail server? (loonux fc)
7. How to change MAC address and hostid in Sun's 280R  
(correction) (Tony Magtalas)
8. SUMMARY: Solaris 8 to 9 upgrade problem with disk space  
(Pawel Branski)
9. Not able to connect to system via terminal server (Geon Reuben)
10. Update: Not able to connect to system via terminal server  
(Geon Reuben)

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Message: 1

Date: Tue, 23 Nov 2004 11:30:52 -0500  
From: Sam Mabjish <sam@bernuth.com>  
Subject: EMAIL SERVER SOFTWARE  
To: sunmanagers@sunmanagers.org  
Message-ID: <41A365BC.6090302@bernuth.com>  
Content-Type: text/plain; charset=us-ascii; format=flowed

Hello Folks,

I am looking for a free or unexpensive email server software.

Could you please give me your recommendation?

Features needed are POP3, IMAP, web access, centralized address book.

Thanks in advace, sam

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Message: 2

Date: Tue, 23 Nov 2004 08:32:11 -0800 (PST)  
From: Tony Magtalas <ttk67@yahoo.com>  
Subject: How to edit NVRAM in a SF 280R?  
To: Sun Managers List <sunmanagers@sunmanagers.org>  
Message-ID: <20041123163211.64700.qmail@web81602.mail.yahoo.com>  
Content-Type: text/plain; charset=us-ascii

Does anybody know how to modify the content of the NVRAM in a Sun's 280R?

I used to be able to do it in older systems such as Ultra 1,2,10,220R using the "mkpl" commands. Now when I tried to use mpk and mpkl commands at the ok prompt on a 280R, it says command not recognized Please help.

I will summarize if there is enough interest  
Tony

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Message: 3  
Date: Tue, 23 Nov 2004 17:41:50 +0100  
From: "Webmaster – ITServ GmbH" <webmaster@itserv.de>  
Subject: SUMMARY: SDS/SVM on USB disks possible?  
To: <sunmanagers@sunmanagers.org>  
Message-ID: <002801c4d17b\$55a49ad0\$1502a8c0@venus>  
Content-Type: text/plain; charset="iso-8859-1"

Thanks to everybody for your feedback. Here are the official results:

Summary: Yes, it works, but certainly not for the boot device. (currently, my USB stick is defined as a one-way mirror and holds the primary metadb).

But read on...

My test device (USB stick) was not recognized as a disk in format(1M), but is accessible as any other disk device (it became /dev/dsk/c3t0d0 after running devfsadm). Since format did not see it, I had to put a VTOC on it using fmthard. Not funny.

After that, metadb -fac3 worked (slow – USB1.1), and so did the metainit. Next, I created a filesystem on the metadvice, entered it in /etc/vfstab with a mount-at-boot=yes, options=logging, mount-pass=2 (early boot!), and rebooted. Everything worked flawless, but: the VOLD tried to unmount the stick (and failed to do so). Not a real problem.

Again, only USB 1.1, meaning: I have a write rate at 770kb/s. I dont have a PCI USB2.0 adapter in my machine.

Interesting links:

[http://supportforum.sun.com/hardware/index.php?t=msg&goto=8964&rid=0#msg\\_8964](http://supportforum.sun.com/hardware/index.php?t=msg&goto=8964&rid=0#msg_8964)

(read ENTIRE!)

1. SunBlade 100 has only USB1.1 – not enough bandwidth to seriously connect a hard disk.
2. There are reports from users who installed a USB 2.0 card which was seen by cfgadm.
3. There are users which succeeded to connect a large (>130GB) disk via USB without any problems (see link above)
4. There are others, who reported that they still have a 130GB limit...
5. The best solution by far seems to be a IDE-to-SCSI-Bridge, which will be the solution I tend to use. But be careful, there are bridges which also have a 130GB limit in it's controller.

Using the IDE-to-SCSI-Bridge will give you the guarantee to have SDS and even boot support, if you have a bootable SCSI card. So this is the choice.

Peter

> ----- Original Message -----  
>  
> > *Hi there,*  
> >  
> > *does anybody know if it's possible to mirror two USB disks connected to a SunBlade 100 using SDS/SVM?*  
> >  
> > *I'm planning to buy two such disks, but need to mirror them against each other to prevent data loss.*  
> >  
> > *Thank you for your thoughts.*  
> >  
> > *Peter*  
> > \_\_\_\_\_  
> > *sunmanagers mailing list*  
> > *sunmanagers@sunmanagers.org*  
> > <http://www.sunmanagers.org/mailman/listinfo/sunmanagers>

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Message: 4  
Date: Tue, 23 Nov 2004 11:44:40 -0500  
From: Steve Rieger <steve.rieger@tbwachiat.com>  
Subject: Enterprise collaboration  
To: "sunmanagers@sunmanagers.org" <sunmanagers@sunmanagers.org>  
Message-ID: <BDC8D328.37B7%steve.rieger@tbwachiat.com>  
Content-Type: text/plain; charset="US-ASCII"

Hi all,

Am looking at options out there for an alternative for MS Exchange. Am testing sun one server, currently. Problems are as follows, we use Mac os as desktop, and sun doesn't not talk the ical format nor does it talk webdav, which means that I do not have a desktop client for all the users. And yes it is a requirement here.

I know that Rutgers is using sun cal server, and has a workaround for the ical. If anybody has some more insight please send me some pointers.

Thanx

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Steve Rieger  
Direct 212-804-1131  
Cell 646-335-8915  
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Message: 5  
Date: Tue, 23 Nov 2004 16:53:32 +0000  
From: aggunia@comcast.net  
Subject: SNMP on Solaris 2.6  
To: sunmanagers@sunmanagers.org  
Message-ID:

<112320041653.8253.41A36B0C000627F30000203D22070016410E07029A09090E@comcast.net>

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

Hi all,

I have some old Solaris 2.6 boxes that our enterprise wants to monitor via SNMP. I have configured the snmpd.conf and snmpdx.acl files accordingly, and when running '/etc/rc3.d/S76snmpdx start', I cannot view any MIB values (using SNMPview 2.5 from my workstation). I've checked the community name, and made sure my workstation name (did nslookup on workstation) is listed in the manager line I am not getting any errors in my /etc/adm/messages. I did confirm that the boxes have Solstice Enterprise Agent 1.0 installed. Any thoughts from anyone out there would be appreciated. Thanks!

Anthony  
aggunia@comcast.net  
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Message: 6  
Date: Tue, 23 Nov 2004 12:12:00 -0500  
From: loonux fc <loonux@gmail.com>

## SunManagers: RE: sunmanagers Digest, Vol 20, Issue 34

Subject: Tips and tricks for running a busy mail server?  
To: sunmanagers@sunmanagers.org  
Message-ID: <93bef0760411230912783754f5@mail.gmail.com>  
Content-Type: text/plain; charset=US-ASCII

Greetings,

I am presently getting ready to build a new set of mail servers for our organization. I will be using a set of Netra AC200 units [500Mhz] with 2Gb of RAM and dual 36Gb SCSI disks running on Solaris 8. Due to the nature of our mail product, I must use sendmail as my MTA. Given this constraint, I am looking to optimize this system as much as possible in terms of filesystem layout (RAID/mirroring) and sendmail configuration tweaks.

Each system presently handles upwards of 200,000 messages a day. I would like this to be able to scale as far as possible. Here is how I plan to proceed, and I'd welcome any comments and feedback that you can give me. After I have placed the systems into production I will write up a summary and post to the list.

Since the systems will be installed 3500 miles away from our main facility, I would like to make them as resilient as possible. I am planning on using disksuite (whatever it is called these days) to perform RAID0 mirroring between the two 36Gb drives. Accordingly, I would create a rather large /var with more inodes than default, since mail spool files are generally small and copious. I'm wondering, however, if using disk striping would be a better decision (for /var, anyway) since the filesystem will incur lots of reads and writes. My concern with striping is that if one disk fails, how easily will I be able to remotely recover the machine having it use just one disk until I get another disk shipped out? And are there any other performance penalties that I might incur here?

As far as sendmail goes, I will most likely be compiling my own version of sendmail 8.13.1 and playing with some of the new options for fine tuning of queue runners and the like. I figure that I will have some wiggle room here since our current performance isn't that bad (with 8.11.7pl+SUN running a fairly standard configuration). Anyway, I would appreciate any feedback or experience in dealing with busy mail servers and RAID/striping. Thank you!

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Message: 7

Date: Tue, 23 Nov 2004 09:15:50 -0800 (PST)  
From: Tony Magtalas <ttk67@yahoo.com>  
Subject: How to change MAC address and hostid in Sun's 280R  
(correction)

To: Sun Managers List <sunmanagers@sunmanagers.org>  
Message-ID: <20041123171550.26383.qmail@web81610.mail.yahoo.com>  
Content-Type: text/plain; charset=us-ascii

Does anybody know how to modify the content of the NVRAM in a Sun's 280R, specifically to change the MAC address or hostid etc... after battery goes dead?

I used to be able to do it in older systems such as Ultra 1,2,10,220R using the "mkpl" commands. Now when I tried to use mpk and mpkl commands at the ok prompt on a 280R, it says command not recognized. Please help.

I will summarize if there is enough interest  
Tony

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Message: 8

Date: Tue, 23 Nov 2004 13:15:53 -0500  
From: "Pawel Branski" <pawel.branski@foreseeresults.com>  
Subject: SUMMARY: Solaris 8 to 9 upgrade problem with disk space  
To: <sunmanagers@sunmanagers.org>  
Cc: pbranski@gmail.com

## SunManagers: RE: sunmanagers Digest, Vol 20, Issue 34

Message-ID:

<048CCF2084B1A24B9366E16D6AF177BECBEC21@MAIL.foreseeresults.com>

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

Thank you to Caper Dik for help - /usr file system was over 68% full. I was able to get the procedure to work. I used jump start server with Solaris 09/04. The upgrade recognized the SVM with out any problems - I did not have to un-mirror root. The problem I had was with the /usr file system too small.

Pawel

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

From: sunmanagers-bounces@sunmanagers.org  
[mailto:sunmanagers-bounces@sunmanagers.org] On Behalf Of Pawel Branski  
Sent: Tuesday, November 16, 2004 9:45 AM  
To: sunmanagers@sunmanagers.org  
Cc: pbranski@gmail.com  
Subject: Solaris 8 to 9 upgrade problem with disk space

Hi,

I am working on the Solaris 8 to Solaris 9 upgrade procedure. The system is running Solaris 8 recommended patch level 08/04 with SVM (SDS), used to mirror the internal drives.

According to sun docs starting from 04/04 upgrade will recognize SVM - this seems to be working.

According to sun docs I would need around 2GB of free space to have full release of Solaris 9 installed.

During the upgrade process installation I am always asked to provide more disk space. The original swap file I have was 1.38GB size, I thought this could be a problem - so I have created additional swap space on slice 6 - size 5.00GB - still the same problem. I am attaching some stats from the system as well as the error message from the installation process.

I try the installation from Jump server and from the CD.

Please let me know what I am missing in this procedure. I will summarize.

Thank you,

Pawel

Info from installation process:

Searching disks for upgradable Solaris root devices...

The following root devices were found to be upgradable:

| Release   | Root Device             |
|-----------|-------------------------|
| Solaris 8 | d30 (c0t0d0s0 c0t1d0s0) |

Searching for locations to accommodate a temporary copy of the Solaris installation software. Swap slices are usually erased at reboot, so it is

preferable to place the Solaris installation software on slice labeled swap.

No swap slices that begin at the first usable cylinder have enough space to accommodate a temporary copy of the Solaris installation software.

Using a slice that begins at the first usable cylinder allows the most flexibility during filesystem layout. If you are doing an initial install and

you are not preserving any filesystems, you can re-partition a disk with the

swap slice starting at the first usable cylinder.

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sunmanagers mailing list

sunmanagers@sunmanagers.org

<http://www.sunmanagers.org/mailman/listinfo/sunmanagers>