

help with a home network jumpstart

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I've got an odd problem I haven't come across before, and googling hasn't helped. I'm trying to set up some Sun machines on my home network over this long weekend, now that I finally have some time, and this thing is driving me crazy. Heh.

I've got a couple of Sun machines at home: a Sun Blade 100 and a Netra T1 AC200.

The Blade is running Solaris 8 (I'm applying the latest patch cluster as I type this -- it's an old rev). I want to jumpstart the Netra into Solaris 10.

I've got my /jumpstart all set up in a known configuration that has worked in the past. I've got the Solaris 10 07/03 image installed there. I've got a flash archive (3.2GB).

The blade is 192.168.0.11. The netra is 192.168.0.12.

NFS is running correctly.

/etc/ethers is correct, as is bootparams:
0:3:ba:6:2b:be netra.local.net

```
netra.local.net root=192.168.0.11:/jumpstart/install/Solaris_10/Tools/Boot
install=192.168.0.11:/jumpstart/install boottype=:in sysid_config=192.168.0.11:/jumpstart/generic.d
install_config=192.168.0.11:/jumpstart rootopts=:rsize=32768
```

```
sysidcfg:
name_service=DNS
{domain_name=local.net
name_server=192.168.0.11}
network_interface=eri0
{netmask=255.255.255.0
default_route=192.168.0.1
protocol_ipv6=no}
security_policy=NONE
system_locale=en_US
terminal=vt100
timezone=US/Eastern
```

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timeserver=localhost

I have the blade running BIND 8 to serve DNS to the home network. That's all configured correctly.

```
The rules file is set up, and I'm doing a flash_install:
install_type flash_install
archive_location nfs 192.168.0.11:/jumpstart/sol110base.flar
partitioning explicit
filesystems mirror:d3 c1t0d0s1 c1t1d0s1 2048 swap
metadb c1t0d0s6 size 8192 count 4
metadb c1t1d0s6 size 8192 count 4
filesystems mirror:d0 c1t0d0s0 c1t1d0s0 free /
```

Here's the problem:

I'm getting an error that says the flash archive could not be opened.

Here's the output of the boot net – install:

```
ok
ok
ok
ok
ok boot net – install
Resett
LOM event: +1h56m9s host reset
ing ...

~
Netra T1 200 (UltraSPARC-IIe 500MHz), No Keyboard
OpenBoot 4.0, 2048 MB memory installed, Serial #50736062.
Ethernet address 0:3:ba:6:2b:be, Host ID: 83062bbe.
```

```
Executing last command: boot net – install
Boot device: /pci@1f,0/pci@1,1/network@c,1 File and args: – install
SunOS Release 5.10 Version Generic 64-bit
Copyright 1983–2005 Sun Microsystems, Inc. All rights reserved.
Use is subject to license terms.
SUNW,eri0 : 100 Mbps full duplex link up
whoami: no domain name
Configuring devices.
Using RPC Bootparams for network configuration information.
Attempting to configure interface eri1...
Skipped interface eri1
Attempting to configure interface eri0...
Configured interface eri0
```

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```
Beginning system identification...
Searching for configuration file(s)...
Using sysid configuration file 192.168.0.11:/jumpstart/generic.d/sysidcfg
Search complete.
Discovering additional network configuration...
Completing system identification...
Starting remote procedure call (RPC) services: done.
Dec 23 13:19:02 svc.startd[7]: svc:/network/rpc/bind:default: Method
"/lib/svc/.
Dec 23 13:19:03 svc.startd[7]: svc:/network/rpc/bind:default: Method
"/lib/svc/.
Dec 23 13:19:03 svc.startd[7]: svc:/network/rpc/bind:default: Method
"/lib/svc/.
Dec 23 13:19:03 svc.startd[7]: network/rpc/bind:default failed
System identification complete.
Starting Solaris installation program...
Searching for JumpStart directory...
Using rules.ok from 192.168.0.11:/jumpstart.
Checking rules.ok file...
Using profile: generic
Using finish script: generic.sh
Executing JumpStart preinstall phase...
Searching for SolStart directory...
Checking rules.ok file...
Using begin script: install_begin
Using finish script: patch_finish
Executing SolStart preinstall phase...
Executing begin script "install_begin"...
Begin script install_begin execution completed.
```

```
Processing default locales
– Specifying default locale (en_US.ISO8859-1)
```

```
Processing profile
– Opening Flash archive
```

```
ERROR: Could not mount 192.168.0.11:/jumpstart/sol10base.flar
```

```
ERROR: Flash installation failed
Solaris installation program exited.
#
```

I don't have a begin script, but I do have a small finish script.

The jumpstart server seems to be mounted correctly, because once it fails, I see the mounted filesystems:

```
# df -k
Filesystem kbytes used avail capacity Mounted on
192.168.0.11:/jumpstart/install/Solaris_10/Tools/Boot
14187898 10589860 3456160 76% /
/devices 0 0 0 0% /devices
```

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```
ctfs 0 0 0 0% /system/contract
proc 0 0 0 0% /proc
mnttab 0 0 0 0% /etc/mnttab
swap 1876448 104 1876344 1% /etc/svc/volatile
objfs 0 0 0 0% /system/object
swap 1974632 98288 1876344 5% /tmp
/tmp/dev 1974632 98288 1876344 5% /dev
192.168.0.11:/jumpstart/install
14187898 10589860 3456160 76% /cdrom
fd 0 0 0 0% /dev/fd
swap 1876344 0 1876344 0% /tmp/root/var/run
192.168.0.11:/jumpstart/generic.d
14187898 10589860 3456160 76% /tmp/sysid_config.214
192.168.0.11:/jumpstart
14187898 10589860 3456160 76% /tmp/install_config
/usr/sbin/install.d/install_config
14187898 10589860 3456160 76% /tmp/_install_config
#
```

I can see the flash archive:

```
# ls -ld /tmp/install_config/sol10base.flar
-rwxrwxrwx 1 root other 3240956071 Dec 16 22:34 /tmp/install_config/sor
# file /tmp/install_config/sol10base.flar
/tmp/install_config/sol10base.flar: Flash Archive 2.0
#
```

If I run a flar info, I see the files in the archive, so it can be read.

Now, I'm not seeing the disks get configured per my instructions, but I can't remember if that usually happens just after the flash archive "mounts"? I'm also not seeing /a mounted --- maybe that's the problem?

```
# ls -l /a
total 0
#
```

I actually tried splitting the flar, at which point when it failed, I could do "cat /tmp/install_config/archive | uncompress | (cd /a;cpio -i)", but that didn't seem to actually populate the root drive in the netra, though files did get processed (I used a few more options to cpio, but I can't find them in my buffer right now).

So, any thought as to why I can't get this flash archive to work. This exact same config worked on another group of machines on a different network (jumpstart server was a V240 running Solaris 8 and clients were V210s). Any help would be greatly appreciated.

Thanks,
-Adam

sunmanagers mailing list

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