

Re: Antwort: mksysb restore error

Source: <http://unix.derkeiler.com/Mailing-Lists/AIX-L/2004-12/0033.html>

From: augusta Zhou (*meijun_Zhou_at_SHANGHAIGM.COM*)

Date: 12/06/04

Date: Mon, 6 Dec 2004 09:52:51 +0800
To: aix-l@Princeton.EDU

Thanks vensna,

Another thing I haven't mentioned is that I use the PSSP remote restore with a mksysb file on the PSSP CWS, and just now, I make a test showed that, if I use the default bos.obj.ssp.520_64 image for install, it is ok, but when I use the my own mksysb image, there is a warning message when I run the setup_server command:

"Warning update the SPOT to match the mksysb level or create a at the same level. new spot that has the same level."

Maybe it is the problem, but what's the SPOT? how can I upgrade it?

Regards.
Zhou Meijun

IS Department
Shanghai General Motors Co., Ltd.

Tel: (021)28902879
Fax: (021)50317990
E-mail: meijun_zhou@shanghaigm.com

Vesna Vranesic
<vesna.vranesi To: aix-l@Princeton.EDU
c@RZB.AT> cc:
Sent by: IBM Subject: Antwort: mksysb restore error
AIX Discussion
List
<aix-l@Princet
on.EDU>

2004-12-03
22:04
Please respond
to IBM AIX
Discussion
List

Are you trying to restore from a tape backup whose boot image is too large?
I had it once but it wasn't important restore. Afterwards I found
following:

```
IBM_PROLOG IBM_PROLOG_BEGIN_TAG
IBM_PROLOG This is an automatically generated prolog.
IBM_PROLOG
IBM_PROLOG bos52F src/bos/usr/sbin/mkcd/README.S 1.4
IBM_PROLOG
IBM_PROLOG Licensed Materials – Property of IBM
IBM_PROLOG
IBM_PROLOG Restricted Materials of IBM
IBM_PROLOG
IBM_PROLOG (C) COPYRIGHT International Business Machines Corp. 2003,2004
IBM_PROLOG All Rights Reserved
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Corp.
IBM_PROLOG
IBM_PROLOG IBM_PROLOG_END_TAG
```

Installing from a tape backup whose boot image is too large

As more and more devices become supported on AIX, the boot image
continues to
grow in size until it reaches a pre-existing limit at which point it is
not
possible to boot directly from the tape media containing an
over-the-limit boot
image. This condition is only known to occur on CHRP systems with AIX
5.1 or
5.2 installed.

To determine your system type, run the following command:

bootinfo -a

A 3 means CHRP.

SYMPTOM:

The symptoms of this problem are that the system might appear to hang with the message: "Software starting... Please wait" At this point the system continues trying to boot from this device without success. Codes that might be displayed on the LCD are 20EE000B, 20EE000A or E14D. Also, text displayed on the system console containing the words "default catch". Or, it may boot off the next bootable device in the bootlist.

SOLUTIONS:

Note: Solutions 2, 3 and 4 may require that you create a new backup.

1). Boot off of media that has a smaller boot image and is at the same level as the backup. (For example, the AIX product media, or network boot image.) Then, select "3 Access Advanced Maintenance Functions", select "4 Install from a System Backup", select tape drive and install. If you do not have AIX product media at the same level, see "CREATING BOOTABLE CD MEDIA" below.

Note: If install media is not at equal to or higher maintenance level than the level of the backup image being installed, unpredictable results might occur.

2). Remove filesets from the system that would result in a smaller boot image and then create a new backup.

This option might not be valid if the system requires all the filesets that it currently has on it to run. This includes filesets whose names begin with devices, for example: devices.pci.xxxxxx.rte). Do not remove any filesets for devices that you might have on other systems in your environment because the resulting backup may not be able to boot or install onto those

systems.

3). This solution DOES NOT WORK on models 7028, 7029, 7038, 7039, and 7040

systems, see option 4 regarding these models.

If APAR IY40824 (AIX 5.1) or IY40975 (AIX 5.2) was installed prior to making

the backup, then you may boot from the backup and go to the open firmware

prompt. To get to the open firmware prompt, when the system beeps twice after

powering it on, press F8 on the keyboard (or the 8 key on an ASCII terminal).

You can also get to the open firmware prompt from SMS. The open firmware

prompt is also referred to as the "OK" prompt. On some systems there will be

a menu option located on the initial SMS menu. On others, it will be located

under the Multiboot menu. From the open firmware prompt execute the following:

```
>setenv real-base 1000000
```

```
>reset-all
```

Notes:

a) To use this option, the backup must have this APAR in it and therefore

must be created after installing the APAR.

b) The above commands will have to be executed each time you boot from the

large boot image backup media.

4). This solution WORKS ONLY for models 7028, 7029, 7038, 7039, and 7040.

If APAR IY54804 (AIX 5.1) or IY53546 (AIX 5.2) was installed prior to making

the backup and FIRMWARE on the system (these models only) being booted is

at 3x040310 higher (where x is either H, J, K, R, or F), then the system will be able to boot from the media as expected.

Note:

a) To use this option, the backup must have this APAR in it and therefore

must be created after installing the APAR.

b) The system being booted must be one of these models and have this firmware level or higher on it.

c) To download the latest firmware, access the technical support microcode

website at:

<http://techsupport.services.ibm.com/server/mdownload2/download.html>

CREATING BOOTABLE CD MEDIA:

Preferably on the same system that the non-bootable backup came from, execute the following commands:

```
# cd /var/adm/ras
# ls ./bosinst.data ./image.data | backup -ivqf/tmp/fakemkysyb
# mkcd -m /tmp/fakemkysyb -d /dev/cdx # Where cdx is an attached
cdwriter
OR
# mkcd -m /tmp/fakemkysyb -S # Will create a CD image which can be
# transferred to a system with a
cdwriter
```

Note: The final mkcd command in the previous example makes an image that could be transferred to another system (AIX or non-AIX) for burning.
Note: The bosinst.data file must be set for a prompted install (PROMPT = yes).

**** END OF DOCUMENT ****

Could it be you have such a problem?

Ciao
Vesna

```
|-----+----->
||
||
|| meijun_Zhou@SHANGHAIGM|
|| .COM |
||
|| Gesendet von: |
|| aix-l@Princeton.EDU |
|| 03.12.2004 08:40 |
|| Bitte antworten an |
|| aix-l |
||
|-----+----->
>
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|
|
|An: aix-l@Princeton.EDU
|
|Kopie:
|
|Blindkopie:
|
|Thema: mkysyb restore error
|
>

AIX5.203

restore failure, stop at 0c52

(See attached file: error.gif)

What's mean?

Thanks.

Regards.
Zhou Meijun

IS Department
Shanghai General Motors Co., Ltd.

Tel: (021)28902879
Fax: (021)50317990
E-mail: meijun_zhou@shanghaigm.com(See attached file: error.gif)

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