

Re: AIX 5.1 -> AIX 5.2 Migration Upgrade

Source: <http://unix.derkeiler.com/Mailing-Lists/AIX-L/2004-07/0143.html>

From: Lamar Saxon (*Lamar.Saxon_at_AMERICREDIT.COM*)

Date: 07/14/04

Date: Wed, 14 Jul 2004 16:22:22 -0500
To: aix-l@Princeton.EDU

Again sorry for the cut and paste; need to see if the spam server is blocking my mail from AIX-L.

I did increase it manually and that is how it got to be 2 PPs.

I am beginning to suspect that the version of 5.2 media I have might be the issue as you stated. I have the 10/2002 CDs. Also, looking @ the machine I see that is downlevel in microcode. Once I get the MC updated I will see about ordering new CDs.

Thanks for the suggestion. Let you know how it turns out for the archives.

Lamar

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

List: aix-l
Subject: Re: AIX 5.1 -> AIX 5.2 Migration Upgrade
From: "Chafik,Basim" <Basim.Chafik () PLX ! COM>
Date: 2004-07-14 19:25:45
Message-ID: <AB9E35C0C8E7B24AB87842AF8290321002F845 () sun1nt4001 ! plx ! com>
[Download message RAW]

Why don't you try to increase it manually before starting the upgrade and try again. Also I remember I had problem with certain release of CDs when installing/upgrading ob certain hardware, That I had to order a newer release of the same 5.2 CDs.

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

From: Lamar Saxon [mailto:Lamar.Saxon@AMERICREDIT.COM]
Sent: Wednesday, July 14, 2004 2:54 PM
To: aix-l@Princeton.EDU
Subject: AIX 5.1 -> AIX 5.2 Migration Upgrade

Re: AIX 5.1 -> AIX 5.2 Migration Upgrade

AIX-L: Re: AIX 5.1 -> AIX 5.2 Migration Upgrade

Pardon the cut and paste job; but I never received this message in my personal email so I got off the archive for reply.

There is free contiguous space for hd5 to be extended and I am aware of the requirements. From the original message:

```
# lslv -m hd5 15 Preserving old data.  
hd5:N/A  
LP PP1 PV1 PP2 PV2 PP3 PV3  
0001 0001 hdisk0  
0002 0002 hdisk0
```

```
# lspv -M hdisk0  
hdisk0:1 hd5:1  
hdisk0:2 hd5:2  
hdisk0:3-166  
hdisk0:167 hd4:2
```

PPs 3-166 are free and allocatable to hd5 if required.

Also the message states it needs to be 8MB. From the information, my PP size is 16MB and I have 2 PPs allocated for hd5 for a total of 32MB.

Still @ a loss and about to call support...

Thanks !
Lamar

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

```
List: aix-l  
Subject: Re: AIX 5.1 -> AIX 5.2 Migration Upgrade  
From: "Lieberg, Patrick" <plieberg () EV3 ! NET>  
Date: 2004-07-13 20:23:41  
Message-ID: <2F29C1E275BF4F4E9DCAE48033A00B9D972471 () mail ! ev3 ! net>  
[Download message RAW]
```

The problem isn't with how much freespace there is available, but that the next available PP to extend to is in use by some other filesystem. The Boot Logical Volume (hd5) has to be 100% contiguous. You will need to find whatever is using that space and relocate it then the BLV can be extended.

-Patrick Lieberg
Systems Administrator
ev3 Inc.

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

```
From: IBM AIX Discussion List [mailto:aix-l@Princeton.EDU]On Behalf Of  
Lamar Saxon  
Sent: Tuesday, July 13, 2004 3:07 PM  
To: aix-l@Princeton.EDU
```

Re: AIX 5.1 -> AIX 5.2 Migration Upgrade

AIX-L: Re: AIX 5.1 -> AIX 5.2 Migration Upgrade

Subject: AIX 5.1 -> AIX 5.2 Migration Upgrade

Anyone had this issue ? I am doing a migration upgrade of a 7025-F50 from AIX 5.1 ML06 to AIX 5.2 via CDs. I boot from the CD and everything looks fine and I am not changing any of the options such as TCB or removing Java...

The migration starts and a few seconds after the "Importing volume groups" or something close to that, I get the following message:

The boot logical volume (hd5) must be at least 8 megabytes.
The system you are installing has a boot logical volume smaller than this, and the system does not have enough free contiguous physical partitions on hdisk0 to increase the size of the boot logical volume.

Please reboot in normal mode and correct this problem, or restart the installation and choose an overwrite install. Use the 'lspv -M hdisk0' command to see the current allocation map of the disk.

ID# OPTION

1 Continue

2 Perform System Maintenance and Then Continue

Enter ID number:

Well, my hd5 is 2 LPs of 16MB. Same message with it being only 1PP also. I have followed others advice and broke the rootvg mirror and still receive this message. As you can see below hd5 is larger than 8MB (not sure where it is getting this since the installation notes says it must be 12MB). Also, there is PLENTY of free space on hdisk for extending the LV. I can go to system maintenance and verify all of this so I do not think it is an issue with the disks. Error log does not show any issues.

```
# lslv -m hd5 15 Preserving old data.
```

```
hd5:N/A
```

```
LP PP1 PV1 PP2 PV2 PP3 PV3
```

```
0001 0001 hdisk0
```

```
0002 0002 hdisk0
```

```
# lspv -M hdisk0
```

```
hdisk0:1 hd5:1
```

```
hdisk0:2 hd5:2
```

```
hdisk0:3-166
```

```
hdisk0:167 hd4:2
```

```
# lslv hd5
```

```
LOGICAL VOLUME: hd5 VOLUME GROUP: rootvg
```

```
LV IDENTIFIER: 0044f15a00004c00000000fdb541f434.1 PERMISSION:
```

```
read/write
```

```
VG STATE: active/complete LV STATE: closed/syncd
```

```
TYPE: boot WRITE VERIFY: off
```

Re: AIX 5.1 -> AIX 5.2 Migration Upgrade

AIX-L: Re: AIX 5.1 -> AIX 5.2 Migration Upgrade

MAX LPs: 512 PP SIZE: 16
megabyte(s)
COPIES: 1 SCHED POLICY: parallel
LPs: 2 PPs: 2
STALE PPs: 0 BB POLICY: relocatable
INTER-POLICY: minimum RELOCATABLE: no
INTRA-POLICY: inner middle UPPER BOUND: 32
MOUNT POINT: N/A LABEL: None
MIRROR WRITE CONSISTENCY: on/ACTIVE
EACH LP COPY ON A SEPARATE PV ?: yes
Serialize IO ?: NO

Any ideas ? I am at a stopping point until this is resolved. I guess a year off with my weekend job has left me brain fried !

Thanks for any and all suggestions...

Lamar Saxon Lamar.Saxon@americredit.com
Lead Server Engineer 817-525-7122

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