All Files May Be Owned by Root After mksysb Restore

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Note: The information in this document has **not** been verified for AIX 4.1.

Problem

This problem only occurs with AIX versions prior to 3.2.4.

Due to a defect in the pax command, restoring from a mksysb tape can result in all of the files being owned by root. The pax command checks the /etc/passwd file and, if the owner of the file is not listed, makes root the owner. Since the real /etc/passwd file is on the tape, the default passwd file (which does not have entries for any of the users) is used. This has been corrected by APAR IX30655 which is part of the 3.2.4 PMP tape.

Workaround

The mksysb tape has saved the proper ownership for the files, and you can change the files to their proper ownership with the following steps.

1. Mount the mksysb tape and run the following script. It will create a file with the necessary commands to correct the ownership of the files. NOTE: The script can be modified to fit special requirements.

```
cd /tmp
tctl -f /dev/rmtx rewind
tctl -f /dev/rmtx.1 fsf 3
tar -tvf /dev/rmtx |
   awk '{ if ( NF == "9" )
   printf ("chown %s.%s %s\n",$2,$3,$9) }' > mksysb.out
chmod 755 mksysb.out
```

   After running the above script, you can edit mksysb.out if you wish to make any changes to it before executing it.

2. Execute the file "mksysb.out". It will change all the files to their correct ownership.

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