Migrating Users From AIX 3.2 to 4.1 or 4.2

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About This Document

This document discusses transfering users from 3.2 systems to 4.1 or 4.2 systems:

Files That Can BE Copied Over:

```
/etc/security/group
/etc/security/limits - AIX 4.2 manually merge this file
/etc/security/passwd
/etc/security/.ids
/etc/security/environ
/etc/security/.profile
/etc/group
/etc/passwd
```

Note: Edit the passwd file so the root entry looks like:

```
root:!:0:0::/:/usr/bin/ksh
```

Note: In 3.2, the initial program was /bin/ksh. You could install the bos.compat.links fileset.

When you copy /etc/passwd and /etc/group you will need to make sure they contain at least a minimum set of essential user and group definitions specifically root,daemon,bin,sys,adm,uucp,guest,nobody and lpd as users and system,staff,bin,sys,adm,uucp,mail,security, cron,printq,audit,ecs,nobody and usr as groups. This is documented in Appendix D. of the latest version of the 4.1 Installation Guide.

If the bos.compat.links fileset is installed, you can copy the /etc/security/mkuser.defaults file over. If its not installed, the file belongs in the /usr/lib/security directory. The /etc/security entry is a symbolic link to here.

The following files are different at 4.x and can NOT be copied over:

```
/etc/security/login.cfg
/etc/security/user
```

Note: Manually edit these files on the 4.x system.

In the new /etc/security/user file you may want to copy the individual user stanzas from the 3.2.5 user file and modify the default stanza to have the same values, plus edit the default stanza to contain the pw_restrictions entries formerly found in login.cfg(325).

In AIX 3.2, the password restrictions are applied universally. in In AIX 4.1 they can be applied individually. You may want to reevaluate which stanzas to modify (optional). You can also decide whether or not you want to implement any of the new features presented in the user file.

Then after the files are moved over, run:

```
usrck -t ALL
pwdck -t ALL
grpck -t ALL
```

to clear up any discrepancies (like nuucp not having an entry in /etc/security/passwd). Ideally this should be run on the 3.2.5 system before copying over the files as well as after porting these files to 4.1

Migrating from 4.1 to 4.2 systems

All of the above files can be copied directly except for the /etc/security/limits file. This now includes both soft and hard limits so the file must be manually merged.

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