AIX 3.2.4 Installation Tips

Special Notices

Information in this document is correct to the best of our knowledge at the time of this writing. Please send feedback by fax to "AIXServ Information" at (512) 823-4009.

Please use this information with care. IBM will not be responsible for damages of any kind resulting from its use. The use of this information is the sole responsibility of the customer and depends on the customer's ability to evaluate and integrate this information into the customer's operational environment.

About this Document

This document contains installation tips for AIX 3.2.4 that may not be documented in the 3.2.4 Release Notes. This document will be updated as new tips become available.

Upgrading From 3.1.5

Upgrading from any level of AIX 3.1 to AIX 3.2.4 is much the same process as upgrading to AIX 3.2.

- You must be at the 3.1.5 level or higher (2006, 2007...).
- Reinstallation is required. You cannot simply upgrade through smit.
- You can install AIX 3.2.4 directly without first installing AIX 3.2.
- You can still use the upgrade utilities to save some configuration information. The upgrade utilities guide and diskette can be obtained through your point of sale by ordering form number SC23-2441.
- You cannot install from a Preventive Maintenance Package (PMP) tape. You must order a Product tape by calling 1-800-879-2755.

Upgrading From 3.2

Upgrading from any level of 3.2 is simply a matter of applying the subsystem PTFs. Follow the instructions provided with your media, with emphasis on the following.

- Make sure you have a current system backup. Refer to the "Backing Up Your System" section of the Installation Guide for specific instructions.
- Reinstallation is NOT necessary unless you do not have the minimum amount of free space necessary to install the update.

- Your previous configuration is preserved.

Installation Tips

- Backup your system!
- Make sure that /usr/lpp/info/$LANG/aixmin is writable by root. The error message posted if this directory is not writable indicates that /usr/lib/info/$LANG is not writable. Refer to step 4 of the "LIMITED DISK SPACE PROCEDURE" in your installation instructions for detailed procedures.
- Check the state of existing PTFs on your system prior to starting the installation of the 3.2.4 update.
  - Run "lslpp -h | grep BROKEN" to check for PTFs that are not currently installed correctly. If any are listed, you must reinstall the BROKEN PTFs using the Apply/Commit/No Save (-acN) flags.
- If you choose to use the "ALTERNATE save directory" (-t flag) feature of install:
  - If the alternate save directory is NFS mounted from another system, ensure that NFS is running on your system and that the root user has write permission.
- You must install the Application Installation Utilities subsystem (U418283) before you attempt to use the Copy Software to Hard Disk for Future Installation (bffcreate) procedure.
- Shutdown AIXwindows prior to starting the update process.
- Disregard this tip if you are upgrading from an AIX 3.2.4 Preventive Maintenance Package (PMP), since installation images of upgraded LPPs are not available on the PMP media.

  If you intend to replace existing LPPs with upgraded versions (such as AIXwindows 1.2.3 or Motif 1.2) while upgrading to 3.2.4, use the following procedure. Detailed instructions for each step are shipped with your media.
  - Install the Application Installation Utilities subsystem (U418283).
  - Install the upgraded versions of at least the same Program Products that are currently installed on your system. You MUST replace all currently installed portions of the product for the following steps to complete sucessfully.
  - Install the AIX Maintenance Level (U493240).
- Disregard this tip if you are upgrading from an AIX 3.2.4 Preventive Maintenance Package (PMP), since installation images of upgraded LPPs are not available on the PMP media.

  If you currently have Distributed Computing Environment (DCE) installed, you'll need to upgrade to DCE version 1.2 as part of the 3.2.4 upgrade.

- Using the AIX Update Advisor (update_all) can reduce the overall disk space requirements of the update process to as little as 4 megabytes depending upon the amount of space that can be recovered by ptfdir_clean.
- The installation of U418438 (txtfmt.ts.obj) can fail with either the "Limited Disk Space" or "Unlimited Disk Space" installation procedures if the LANG environment variable is not C, En_US, or Ja_JP.

  To avoid this problem, execute the following commands prior to starting the update process.

```
LANG=C
export LANG
```

  If installation of U418438 has already failed, execute the following commands to successfully install the update.

```
rm /usr/lib/ps/ditroff.font/ts.fontdirs
LANG=C
export LANG
installp -gacXNd <device> txtfmt.ts.obj 3.2.0.0.U418438
```

Check the Installation After Completion

Make sure that the 3.2.4 installation was successful **before** you attempt to reboot the machine after the install is completed. To check the installation, perform the following steps.

If any of these steps cannot be completed successfully, do **not** reboot the system. Instead, call 1-800-CALL-AIX for assistance with the install.

1. Run "lppchk -v". This should not return any messages. If any of the messages appears to be an error, call 1-800-CALL-AIX for assistance.
2. Run "lslpp -m bos.obj". This should show that U491000 and U493240 are installed.
3. Check the install.log or the smit.log for a message about the successful build of the boot image on the system. The message will usually be just before the Installp Summary table toward the bottom of the log and will indicate that the new boot image has been built. The message will give the size in blocks of the new boot image.

Reader's Comments

Please fax this form to (512) 823-4009, attention "AIXServ Information". You may also e-mail comments to: elizabet@austin.ibm.com. These comments should include the same customer information requested below.

Use this form to tell us what you think about this document. If you have found errors in it, or if you want to express your opinion about it (such as organization, subject matter, appearance) or make suggestions for improvement, this is the form to use.

If you need technical assistance, contact your local branch office, point of sale, or 1-800-CALL-AIX (for information about support offerings). These services may be billable. Faxes on a variety of subjects may be ordered free of charge from 1-800-IBM-4FAX. Outside the U.S. call 415-855-4329 using a fax machine phone.

When you send comments to IBM, you grant IBM a nonexclusive right to use or distribute your comments in any way it believes appropriate without incurring any obligation to you.

Note: If you have a problem report or item number, supplying that number may help us determine why a procedure did or did not work in your specific situation.

Problem Report or Item #: Branch Office or Customer #:

Be sure to print your name and fax number below if you would like a reply:

Name: Fax Number:

11/29/94

END OF DOCUMENT (324.install.tips.anz, 4FAX# 2121)