White Paper

CISC to RISC Upgrade

sterling commerce

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The following procedures detail the steps involved for upgrading the AS/400 from a CISC environment to a RISC environment. Listed below are several methods which achieve the same results. The instructions do not include information about upgrading the GENTRAN software. For information specific to upgrading the GENTRAN software please request the product upgrade procedures. <u>For this method to</u> <u>work, this procedure requires a RISC and a CISC tape and the tapes should have the same production date.</u>

OPTION A

1   Apply the cumfix to the CISC box.
2.   Move only the DTA library(s) over to the RISC box.
3.   Restore the GnXnPGM library from the RISC tape to the RISC box, following is an example of
     the command -   RSTLIB SAVLIB(GnXnPGM) DEV(TAPnn) MBROPT(*ALL) ALWOBJDIF(*ALL)
     RSTLIB(GnXnPGM)
     FOR CD-ROM:
     Use the same command as above and add the following parameter: OPTFILE(/GnnnPGM) and use DEV(OPTnn)

4.   Restore the objects from the GnXnFIXPGM library from the same RISC tape to the RISC box into the PGM library.
     Following is an example of the command - RSTOBJ OBJ(*ALL) SAVLIB(GnXnFIXPGM) DEV(TAPnn) MBROPT(*ALL)
     ALWOBJDIF(*ALL) RSTLIB(GnXnPGM)
     FOR CD-ROM:
     Use the same command as above and add the following parameter: OPTFILE(/GnnnFPGM) and use DEV(OPTnn)

OPTION B

1.   Move the DTA library(s) from the CISC to the RISC box.
2.   Restore the PGM library from the RISC product tape, following is an example of the command,
     RSTLIB SAVLIB(GnXnPGM) DEV(TAPnn) MBROPT(*ALL) ALWOBJDIF(*ALL) RSTLIB(GnXnPGM)
     FOR CDROM:
     Use the same command as above and add the following parameter: OPTFILE(/GnnnPGM) and use DEV(OPTnn)

3.   Restore the FIXPGM library from the same RISC tape to the RISC box, following is an example   of the command -
     RSTOBJ OBJ(*ALL) SAVLIB(GnXnFIXPGM) DEV(TAPnn) MBROPT(*ALL) ALWOBJDIF(*ALL)
     RSTLIB(GnXnPGM)
     FOR CDROM:
     Use the same command as above and add the following parameter: OPTFILE(/GnnnFPGM) and use DEV(OPTnn)

4.   Use the RISC CUM fix tape and do the CUM fix installation, make sure and answer the parameter 'Apply fixes to program
     library?' *NO

OPTION C

The last option utilizes the IBM object conversion utilities. With this method, restore both the Program and the Data library to the RISC box. The first time you access the menu option(s), the programs associated with the menu option(s) will automatically compile with observability. This method can be used to convert GENTRAN:Server for the AS/400 Release 7.01 or Release 1.0 to the RISC machine.

Please note if the media is a CD-ROM, the Library names are as follows:

Tape	**CD**
G2X0DTA	G200DTA
G2X0PGM	G200PGM
G2X0FIXDTA	G200FDTA
G2X0FIXPGM	G200FPGM
G2X0SAMP	G200SMP
G2X0SAMPFX	G200FSMP
G2X0TOOLS	G200TOOL

Please note that the above stated "nnn" relates to the current version of Gentran that is being used.

CD-ROM * If you are prompting the commands instead of typing them on the command line, you must remove the / from the OPTFILE parameter.