

AS/400 SECURITY CONSIDERATIONS

APPC communications to an AS/400 allows the administrator many options concerning security. FileXfer incorporates some of these security options. In order to use them, additional communications setup may be necessary on all systems. Please note that this section only applies if you are sending to an AS/400. If sending to or retrieving from a S/36 or S/38, this section does not apply.

FileXfer supports SNA Application Program Security, which gives the administrator the ability to send User Profile information when the communications link between programs is established. The administrator has the following choices:

- + User profile and password passed
- + User profile and the AVI (Already Verified Indicator) flag passed
- + No user profile or password passed

To specify security parameters to FileXfer, use the APPCUSER and APPCPASS parameters on the Xfer command (XFILE cmd, S38UPLD proc, etc.). The default values for these parameters are specified on the "Tailoring Options" screen (BXFERSETUP cmd, XFCTRL proc). As shipped from BDS, FileXfer will send the User profile and password. For most operations, sending User profile and password is recommended. Before deciding which security method to use, the administrator should consider the following:

- 1) Going to a new release of OS/400 will erase any changes made to Subsystem QCMN. Thus BDS software may not work correctly after an IBM release update. For this reason, we do not recommend sending "No security user information".
- 2) Auditors may not allow a user profile and password to be accessed via unsecured screens on a remote system (S/36 XFCTRL proc, AS/400 and S/38 BXFERSETUP command, etc.) The additional setup needed for sending the AVI flag may be warranted.
- 3) The administrator may not wish to increase the security level on the S/36 or AS/400, so a user profile and the AVI flag can be sent.
- 4) When FileXfer/36 sends a user profile and the AVI flag, user profile QSYSOPR is sent.

Sending no user profile or password is easy to implement. The only additional setup required is to enter the following command on the target AS/400(s):

```
CHGCMNE SBS(D) QCMN) DEV(*ALL) DFTUSER(QUSER)
```

Sending user profile and password is the easiest method to implement (no setup changes are necessary), if all systems are at the required system security level.

Passing User Profile and Password

To send a user profile and password, the following conditions must be met:

FILEXFER3X/400™

Target AS/400

- 1) System Security level must be 20 or 30 (DSPSYSVAL QSECURITY).
- 2) The passed User profile must exist on the target AS/400, and the correct password must be passed.

S/36

- 1) Password security or greater must be active.

S/38

- 1) No changes required.

Source AS/400

- 1) System Security level must be 20 or 30 (DSPSYSVAL QSECURITY).

Passing User Profile and AVI Flag

To send a user profile and the AVI flag, the following conditions must be met:

Target AS/400

- 1) If APPN(*NO) is specified on the APPC control unit, SECURELOC(*YES) must be specified on APPC device description(s) that communicate to the source system(s).
- 2) If APPN(*YES) is specified on the APPC control unit, A configuration list type *APPCRMT must exist, and have an entry for the remote location, with SECURE LOC = *YES specified. (WRKCFGL command).

S/36

- 1) Password security or greater must be active.
- 2) A Remote Location entry (SECEDIT COMM proc) with Require user password=Y must be configured. See Appendix C, Section "AS/400 to AS/400, S/36, and S/38 Example" for an example.

S/38

- 1) No changes required.

Source AS/400

- 1) Security level 20 or greater must be active.

Passing No User Profile or Password

To send no user profile or password, the following conditions must be met:

Target AS/400

- 1) The Subsystem QCMN communications entry DEVICE(*ALL) MODE(*ANY) must have a valid default user profile (i.e. QUSER).

AS/400 SECURITY CONSIDERATIONS

S/36

1) No changes required.

S/38

1) No changes required.

Source AS/400

1) No changes required.