

INTRODUCTION

FileXfer3X/400 Features

FileXfer3X/400 will move information to and from any of the supported components: System/36, System/38, AS/400 and S/370 MVS. It has the following major functions:

File Transfer (Upload/Download)

It will move data files from one system to another. Sequential and Indexed files are supported. File record lengths from 4 char to 4088 char are supported. If the file does not exist on the remote system, it will be created.

Member or Object Transfer

It will upload Source File members from a S/38 or AS/400 into a S/36 Library (Source or Proc) and upload S/36 Library members (Source or Proc) into a S/38 or AS/400 Source File. S/36 to S/36 member Xfer supports all library types. S/38 to S/38 object transfer, and S/38 or AS/400 to AS/400 object transfer support all object types.

Save File Transfer

It will transfer the contents of a Save File from a S/38 to a S/38 or AS/400, or from an AS/400 to an AS/400.

User Exec Option

The user can specify a procedure (S/36) or command (S/38, AS/400) or user exit program (S/370) to be executed on the remote system. The process can be started independently or after a transfer has completed. Procedure parms/call parameters passed to the remote procedure are supported. This function is useful if the user wishes to start a job to process after data has been transferred.

File Retrieval

It can retrieve a file on another system and place it into a file on the local system.

Features common to the above functions

- + SNA/SDLC APPC is used: S/3X Upload/Download will run on any configuration which supports SNA/SDLC APPC (including X.25 and Token Ring). It can share a comm. line with Pass thru, DDM, and other APPC applications. If APPN is used, S/3X Upload/Download will participate in the APPN network.
- + No chargeable prerequisites needed: S/3X Upload/Download does not require S/36 IBM's ICF Base or any other chargeable feature to operate.
- + Multiple concurrent transfers supported: Multiple concurrent Upload or Download tasks can be executing concurrently.
- + Data Integrity Maintained: User data on the target system will not be updated permanently until the transfer is completed. For example if a line failure occurs during transmission the target file is not corrupted.

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Data File Transfer Features

- + If the file exists on the target system, transmitted records replace the records in the existing file. If the file does not exist on the target system, it is created using sizing parameters obtained from the source system. Record lengths from 4 to 4088 are supported.

Member/Object Features

- + S/36 All Library member types supported (S/36 <=>S/36).
- + S/36 Source and Proc types supported (S/36 <=> S/38, AS/400).
- + All object types supported, (S/38 <=>S/38, S/38, AS/400 to AS/400) except for i.e. user profiles, device descriptions and modes.
- + Generic Member names or ALL/*ALL supported.
- + Member type (i.e COB/CBL, RPG, BAS) maintained.

Operations

To use the FileXfer3X/400, the user enters commands (S/38, AS/400) or procedures (S/36). All functions can execute on line or in batch. The commands and their functions follow:

System/38 or AS/400 to System/36

S36DWNLD: Transfers the specified S/38 or AS/400 file to the specified S/36 file.

S36DWNMBR: Transfers the specified S/38 or AS/400 source file member(s) to the specified S/36 library.

For a detailed description of the above commands, refer to Chapter 3, "Downloading S/38, AS/400 Information".

System/36 to System/38 or AS/400

S38UPLD: Transfers the specified S/36 file to the specified S/38 or AS/400 file.

S38UPMBR: Transfers the specified S/36 Library member(s) to the specified S/38 or AS/400 source file.

For a detailed description of the above procedures, refer to Chapter 4, "Uploading System/36 Information".

System/36 to System/36

S36XFILE: Transfers the specified S/36 file to the specified S/36 file.

S36XMBR: Transfers the specified S/36 Library member(s) to the specified S/36 Library file.

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For a detailed description of the above procedures, refer to Chapter 5, "System/36 to System/36 Transfer".

System/38 or AS/400 to System/38 or AS/400

XFILE: Transfers the specified file members from the source machine to the target machine.

XOBJ: Transfers the specified objects from the source machine to the target machine.

XSAVF: Transfers the contents of the specified save file from the source machine to the target machine.

For a detailed description of the above procedures, refer to Chapter 6, S/38, AS/400 to S/38 to AS/400 Transfer.

AS/400, System/36, or System/38 to System/370 MVS

XVSAM: Transfers the specified file members from the source machine to an MVS VSAM dataset.

For a detailed description of the above procedures, refer to Chapter 7, AS/400, S/3X to S/370 VSAM Transfer.

AS/400 to MVS (SAM)

XSAM: Transfers the specified file members from the source machine to an MVS SAM dataset.

For a detailed description of the above procedures, refer to Chapter 9, AS/400 to S/370 SAM Transfer.

AS/400 to MVS (Partitioned Dataset)

XPDS: Transfers the specified file members from the source machine to an MVS Partitioned dataset.

For a detailed description of the above procedures, refer to Chapter 10, AS/400 to S/370 PDS Transfer.

AS/400 File Retrieval

R400FILE: Retrieves a file from a remote AS/400 and places the data into a local file.

R36FILE: Retrieves a file from a remote System/36 and places the data into a local file.

RMVSFILE: Retrieves SAM file members and places the data into a local file.

For a detailed description of the above commands and procedures, refer to Chapters 11 and 12, AS/400 and S/36 File Retrieval.

S/36 File Retrieval

R400FILE: Retrieves a file from a remote AS/400 and places the data into a local file.

R36FILE: Retrieves a file from a remote System/36 and places the data into a local file.

RMVSFILE: Retrieves SAM file members and places the data into a local file.

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AS/400 to AS/400 TCP Operations

XTFILE: Transfers the specified file members from the source machine to the target machine.

XTOBJ: Transfers the specified objects from the source machine to the target machine.

XTSAVF: Transfers the contents of the specified save file from the source machine to the target machine.

RT400FILE: Retrieves a file from a remote AS/400 and places the data into a local file.

For a detailed description of the above procedures, refer to Chapter 6, S/38, AS/400 to S/38 to AS/400 Transfer.

IASPs and Multiple FileXfer3X/400 Instances

FileXfer3X/400 product libraries can be placed onto Basic and Independent ASPs, giving the Administrator great flexibility. Multiple instances of FileXfer3X/400 can be running within an LPAR. Each FileXfer3X/400 instance is independent of the other instances.