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Press Release:

Crawford Technologies Introduces **PRO JES to FTP**

Toronto, Ontario, September 11, 2003 - Crawford Technologies Inc. today introduced an innovative new software product for zSeries computers. **PRO JES to FTP** is designed for organizations using the IBM z/OS and OS/390 operating systems with JES2 or JES3 who want to automate the transfer of print output from the spool to other systems using FTP protocol. By utilizing **PRO JES to FTP**, clients can further automate and enhance their production printing process without having to change existing workflow and operating environments.

The **PRO JES to FTP** product makes it easy for data centers to move print output to other systems without the need to modify application JCL procedures. The other systems can be print servers, archive systems, imaging systems, report management systems, disaster recovery systems, outsource services systems, and can be running any operating system that supports FTP. Print files can be line print data, Xerox LCDS and metacode, AFP, PostScript, PCL or any other format.

PRO JES to FTP fits into the z/OS and OS/390 system and runs just like any other system software. When run as a Started Task, the program can be controlled with MVS operator commands. Multi-threading functionality allows throughput to be maximized during critical print windows. It includes SAPI, FSS and External Writer JES spool interface capabilities in order to fit any environment. On most systems, temporary DASD space is not necessary, optimizing the entire process.

PRO JES to FTP can be used to eliminate obsolete hardware-centric solutions where specialized communications devices such as channel extenders and S/370 channel adapters are used to connect systems to the mainframe. This can result in substantial maintenance cost savings as well as performance improvements.

"Now our mainframe clients can eliminate obsolete channel technology and move on up to TCP/IP communications for mainframe print applications. We have made it simple and easy for users without causing significant operational changes", exclaimed Ernie Crawford, President of Crawford Technologies Inc.

About Crawford Technologies Inc.

Crawford Technologies Inc. provides print stream transform, extraction and manipulation solutions that are unsurpassed in the industry. With our committed and knowledgeable product teams, Crawford provides unparalleled development, design and support. Crawford is a global leader in providing advanced print production transformation products for the financial, insurance, medical, government, and telecommunications industry. Crawford's powerful suite of conversion and enhancement products automates the transformation of print-stream, data manipulation and document output. Crawford Technologies Inc. is based in Canada. Our Toronto and Vancouver development centers produce high quality, cross-platform products using advanced development and testing techniques.