PDM – Managed File Transfer

PDM - Managed File Transfer (MFT)

Overview

PDM - Managed File Transfer (MFT) is an optional component in the Parallel Data Mover (PDM) suite of solutions. It provides highly managed, secure, fast and efficient transfer of data files between z/OS systems or between z/OS and Linux, UNIX or Windows (LUW) systems. The primary features of MFT are the following:

- Transaction scheduling and queuing
- Status Reporting
- Logging/Audit Trail (optional SMF records)
- Intelligent Error Recovery
- Checkpoint/Restart
- Data Integrity Checks
- Extensive Data Translation Options
- Optional Data Encryption
- Stored procedures
- Performance Analysis and Reporting
- Adherence to customer 's existing data security measures (i.e. RACF, ACF2, Top Secret)
- Adherence to operating system data sharing/data integrity features

Benefits

The key benefits of MFT are the following:

- Improved reliability and recoverability
- Improved security
- Improved audit and compliance capabilities
- Scalable bandwidth to meet large and ever growing demands
- Significant reduction in time to manage transfers and respond to error conditions
- Facilitates the use of multiple system platforms to best meet an enterprise's technical and business needs

Additional Features

MFT can be enhanced by adding these additional features:

Enhanced MFT

Enhanced MFT adds support for piping data directly to or from programs running on z/OS. Using PDM's Subsystem Interface (SSI), users can specify on a JCL DD statement, that the input or output file resides on a remote system. One usage example is when data from a z/OS DB2 database needs to transferred to a remote Windows system for loading into a local Windows database. Using the PDM SSI, the DB2 Unload program can directly send the output file to the Windows system. This method saves disk space on z/OS of the interim file as well as saving time by concurrently unloading and transferring the file.

Additionally, Enhanced MFT includes the LUW commands GETX and PUTX. These commands provide an easy method of piping z/OS data files to a LUW executable (GETX) or sending data from a LUW executable to a z/OS file (PUTX).

z/OpenGate Transport

The z/OpenGate is a hardware and software component that connects z/OS FICON channels with LUW Fibre Channels to create a very efficient and high-speed data transport. The key benefits of the z/OpenGate are the following:

- Massive bandwidths – 700 MB/second per z/OpenGate unit
- Additional z/OpenGate units scale to meet extremely large bandwidth demands
- Uses 1/20 of the z/OS CPU resources compared to conventional TCP/IP connections
- Bulk file transfers no longer impact other communications network traffic

Summary

PDM – MFT provides customers an outstanding means of managing many thousands of file transfers in a reliable, secure and cost effective manner. The solution can easily scale to meet the industry's most demanding environments.

Additional Information

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