

Symphony™ EJM

Electronic Journal Manager

Product Features

- ❖ Supports multiple ATM connections
- ❖ Handles multiple processes
- ❖ Online or scheduled upload of EJ data
- ❖ EJ upload process monitoring/resume
- ❖ EJ data file merging
- ❖ EJ Viewer facility
- ❖ EJ data search
- ❖ User Access Management
- ❖ ATM management by branches/zones
- ❖ Task management
- ❖ Audits, tracks and traces
- ❖ Schedules EJ upload daily, multiple scheduling
- ❖ Instant EJ retrieval
- ❖ Views EJ of each ATM
- ❖ Searches transaction data line in one EJ file
- ❖ Searches transaction data line in multi ATM EJ files
- ❖ Manages EJ file list
- ❖ Views EJ upload history
- ❖ Monitors EJ upload task under processing
- ❖ EJ file encryption
- ❖ EJ file is compressed during transfers
- ❖ Tracks and traces while uploading
- ❖ Stops running tasks

Symphony EJM (Electronic Journal Manager) is a software application that assists banks in centralising and providing online management of their EJ (Electronic Journal) data over their ATM self-service network. Symphony EJM was designed to work on various types of networks, from low to high bandwidths.

Symphony EJM has its own data transfer protocol to speed-up data transfer, tracks and monitors all EJ upload processes. If an EJ upload file fails due to the communications or ATM being down, Symphony EJM will check and resume at the point of failure to ensure successful and complete EJ uploads. With low bandwidth networks, Symphony EJM can be configured with minimum data transfer.

With multi-processes, EJ upload processing can be easily managed by the System. ATMs will be assigned separated processes for each connection. On a large ATM network, multi-connections will handle EJ uploads for all ATM concurrently.

Benefits

- ❖ Schedules EJ upload daily or multi-schedule per day
- ❖ Instant EJ upload
- ❖ Immediate EJ review of individual ATMs
- ❖ Search transaction data line in a single or multiple files
- ❖ Manages and views EJ history file list
- ❖ Monitors EJ upload task under processing
- ❖ EJ file encryption and compression during transfer
- ❖ Tracks & traces during an upload
- ❖ Stops ongoing tasks.

SN	Name	ATMid	Status	Description	Start Date	Start Time	End Date	End Time	EJ ATM Path
105	test 236	PC_LAP	Completed		11-May-2010	15:22	11-May-2010	15:24	C:\EJ\Backup\200811
106	test 236	PC_LAP	Completed		11-May-2010	15:22	11-May-2010	15:24	C:\EJ\Backup\200811
107	test 236	PC_LAP	Completed		11-May-2010	15:22	11-May-2010	15:24	C:\EJ\Backup\200903
108	test 236	PC_LAP	Completed		11-May-2010	15:22	11-May-2010	15:24	C:\EJ\Backup\200903
109	test 236	PC_LAP	Completed		11-May-2010	15:22	11-May-2010	15:24	C:\EJ\Backup\200903
110	test 236	PC_LAP	Completed		11-May-2010	15:22	11-May-2010	15:24	C:\EJ\Backup\200903
111	EJ Immediate	PC_LAP	Error	Remote side error, Code: 81000008.	11-May-2010	16:54	11-May-2010	16:54	C:\EJ\Backup\ejdata.
112	test 236	PC_LAP	Completed		11-May-2010	16:56	11-May-2010	16:56	C:\EJ\Backup\201004
113	test 236	PC_LAP	Completed		11-May-2010	16:56	11-May-2010	16:56	C:\EJ\Backup\201004
114	test 236	PC_LAP	Completed		11-May-2010	16:56	11-May-2010	16:56	C:\EJ\Backup\A0030.
115	test 236	PC_LAP	Completed		11-May-2010	16:56	11-May-2010	16:56	C:\EJ\Backup\le1.log
116	test 236	PC_LAP	Completed		11-May-2010	16:56	11-May-2010	16:56	C:\EJ\Backup\legentb.
117	test 236	PC_LAP	Completed		11-May-2010	16:56	11-May-2010	16:56	C:\EJ\Backup\ejdata.
118	test 236	PC_LAP	Completed	Synchronization was completed	11-May-2010	16:56	11-May-2010	16:56	
119	test 236	PC_LAP	Completed		11-May-2010	17:04	11-May-2010	17:04	C:\EJ\Backup\A0030.
120	test 236	PC_LAP	Completed		11-May-2010	17:04	11-May-2010	17:04	C:\EJ\Backup\le1.log
121	test 236	PC_LAP	Completed		11-May-2010	17:04	11-May-2010	17:04	C:\EJ\Backup\legentb.
122	test 236	PC_LAP	Completed		11-May-2010	17:04	11-May-2010	17:04	C:\EJ\Backup\ejdata.
123	test 236	PC_LAP	Completed		11-May-2010	17:04	11-May-2010	17:04	
124	test 236	PC_LAP	Completed	Synchronization was completed	08-Jun-2010	17:04	08-Jun-2010	17:04	
125	EJ Immediate	PC_LAP	Completed	Synchronization was completed	22-Jun-2010	13:49	22-Jun-2010	13:49	C:\EJ\Backup\ejdata.

Minimum System Requirement

EJM Servers

- ❖ Intel Pentium III, 1GHz Processor
- ❖ 512MB RAM
- ❖ 20 GB hard drive
- ❖ Microsoft Windows Advance Server 2000
- ❖ Microsoft SQL Server 2000

EJM Workstations

- ❖ Intel Pentium III, 733MHz Processor
- ❖ 256MB RAM
- ❖ 10 GB hard drive
- ❖ Microsoft Windows NT Workstation/XP

EJM Workstations

- ❖ Intel Pentium III, 433MHz Processor
- ❖ 128MB RAM
- ❖ 10GB hard drive
- ❖ Microsoft Windows NT Workstation/XP

ATM Support and Compatibility

ATM Terminals

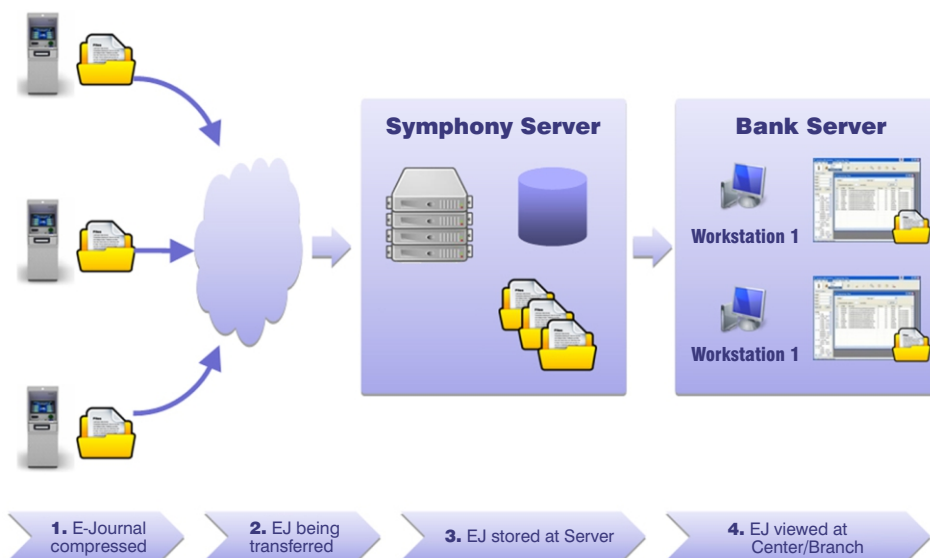
- ❖ NCR terminals
- ❖ Diebold terminals
- ❖ Wincor terminals
- ❖ Any XFS compliant terminals

Security

For security, DES is applied to encrypt and decrypt EJ data, while MAC is used for checking the integrity of data from ATM to EJM Server. This will be optional for a bank to speed up the EJ uploading process.

Management

Base on client/server architecture, Symphony EJM provides workstation access to the EJ server, so a system administrator can manage the system on different levels, from headquarters to branches, from cities to provinces, regardless of geographical locations.



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