

MessageMaker



Web Based Message Entry System for SWIFTNet

[MessageMaker](#) is a web browser based message entry, repair and release application. Its primary objective is to assist financial institutions in creating outgoing SWIFT FIN & MX messages and provide a secure environment for authorisation and release of manually input or back-office generated messages.

MessageMaker is an XML based "thin client" application that eliminates the burden of administrating enterprise desktops. It is implemented as Java Server Pages (JSPs) and deployed as a web application.

The software has its own XML library for all SWIFT messages including the ISO15022 series. Host applications can easily integrate with it using industry standard communication links such as IBM's MQ.

Flexible deployment options put you in control of your system architecture. MessageMaker can be:

- Installed on your server infrastructure - easily rolled out as a thin client;
- Hosted in Synergy's SWIFT Service Bureau and securely delivered for thin-client deployment;
- Installed and hosted at your preferred outsourced hosting provider for thin client roll-out.

At A Glance

- Message entry, repair and release
 - Comprehensive authorisation controls
- XML based "thin client" application
 - Eliminates the burden of administering legacy desktop applications
- Secure Web-Server connectivity
- Centralised management & security
- Supports all Message types
 - Full FIN XML library
 - MX Message
- Based on latest XML, Java RDBMS technologies

The Most Flexible Browser-based Application Available For SWIFTNet FIN Messages

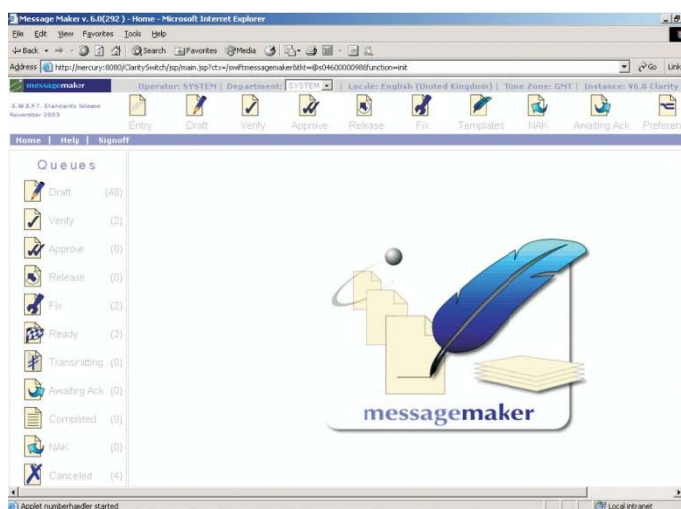
MessageMaker has its own set of Java APIs for back-office application integration.

It can be used to automatically validate messages sent directly from a host system, and those that fail validation can be manually repaired and resent. This reduces the cost of NAK'd messages and facilitates STP.

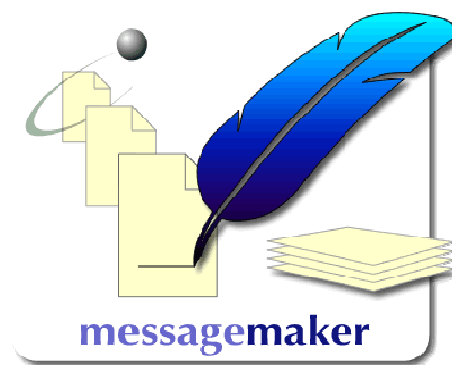
Users can access a central server via their desktop browsers to check the progress of messages and to display relevant management information in real time.

MessageMaker system security provides extensive user controls for every stage of the workflow, e.g. message entry, verification, approval and release.

User profiles can also be restricted by other criteria such as SWIFT address, department, message type, currency, and amount etc.



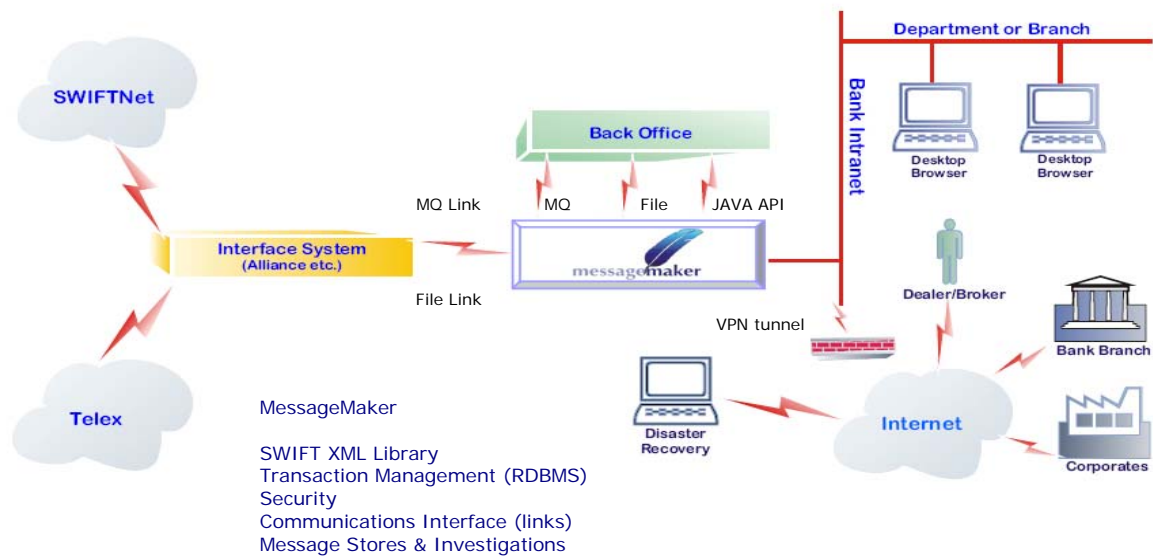
- Compatible with all back office applications and SWIFT Interface systems supporting SWIFT messaging
 - APIs for host linking, MQSA for SWIFTAlliance and links to other message partners
- Compatible with new standards such as XML or B2C without the need to deploy a secondary solution (has its own SWIFT XML library), Java and RDBMS for reporting



Features

- "Thin Client" Technology
 - Simple deployment, user access by web browser
 - Easy implementation and greater security
 - Replaces old "thick client" technology
 - Ideal replacement for SWIFT's PC Connect and an efficient alternative to Alliance Workstations
 - Reduce paperwork and radically improve STP
 - Secure and flexible message release management
 - Dual stage release providing double "approval" and "special release"
 - Every message checked for correct network syntax and semantic validation rules
 - Web Server Control provides centralised and hassle-free message standard upgrades and support
 - Branch level management and administration is highly configurable and offers flexible application control
 - XML library of all SWIFT Message types providing comprehensive message validation and text input handling
 - Powerful message investigation on all messages and templates to tag level
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MessageMaker Block Schematic



The schematic shows the adaptability of the system; from automated message entry from the back office to manual browser entry at departmental or branch level. It also shows how it can be used in a Closed User Group (CUG) environment or in a disaster recovery scenario.

System Features

- Entry, verify, authorise, and repair functionality
- Configurable to provide different permission levels of different departments
- Integrated expandable BIC Directory look-up and SWIFT User Handbook
- Powerful database providing comprehensive MIS and powerful message investigation functionality
- Compliant with SWIFT FIN message standards
- Websphere Cluster Application Support for improved performance and resilience
- Can now check the RMA status of a correspondent depends on the granularity set as part of the validation process
- Anti-Money Laundering (AML) filter integration
- Clarity Connect is a utility which can be installed on a remote machine, from which it can upload messages into MessageMaker application using Webservices APIs
- Easy integration to back-office application and SWIFT interfaces

Business Benefits

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- Reduces load on SWIFT interface
 - Manual entry, repair & release of SWIFT messages
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- Facilitates logical systems architecture
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- Comprehensive & flexible user security scheme based on roles
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- Improve STP (Straight Through Processing)
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- Simplified resilience planning
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- Low cost, easy roll-out
-
- Time saving on manual message entry and repair
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- Concurrent license saving
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- Reduced maintenance costs
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Hardware and Software Requirements

MessageMaker is supported on Microsoft Windows 2003 Server, Sun Microsystems Enterprise Solaris (UNIX) and IBM AIX.

The following is an overview of MessageMaker's hardware and software requirements.

Minimum Hardware & Software Requirements - Windows 2003 Server	
Platform	Intel Xeon 3 GHz multicore dual processor
Operating System	Windows 2003 Server Standard or Enterprise Edition
Memory	4Gb
Disk Space (static)	300Mb for software install 20Mb BIC, 50Mb UHB
Disk space (database)	Minimum of 40Gb disk space (5Kb per average SWIFT message) SCSI disks and RAID 5 recommended
LAN Adapter	1Gb Network Interface
J2EE Server	IBM WebSphere V.6.1
Database (RDBMS)	Oracle 10.2g
Minimum Hardware & Software Requirements - Sun Solaris	
Platform	Sun Fire T2000 8-core 1.2Ghz
Operating System	Sun Solaris 9 or higher
Memory	8Gb or higher
Disk Space (static)	300Mb for software install (10Mb BIC, 50Mb UHB)
Database (RDBMS)	Oracle 10.2g
Disk	Minimum of 20Gb (5Kb per message average)
J2EE	IBM WebSphere V.6.1
Minimum Hardware & Software Requirements - IBM AIX	
Platform	IBM p520 (two way 1.5 GHz) or higher
Operating System	AIX 5L V5.3 or higher
Memory	8Gb or higher
Disk Space (static)	300MB for software install, 10Mb BIC, 50Mb UHB
Database (RDBMS)	Oracle 10.2g
Disk	Minimum of 20Gb (5Kb per message average)
J2EE	IBM WebSphere V.6.1
Minimum Client Requirements	
Platform	Pentium IV 3 GHz or higher
Operating System	Windows XP Professional, Windows Vista, Windows V7
Browser	Internet Explorer 6, 7, 8
Memory	1Gb or higher

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