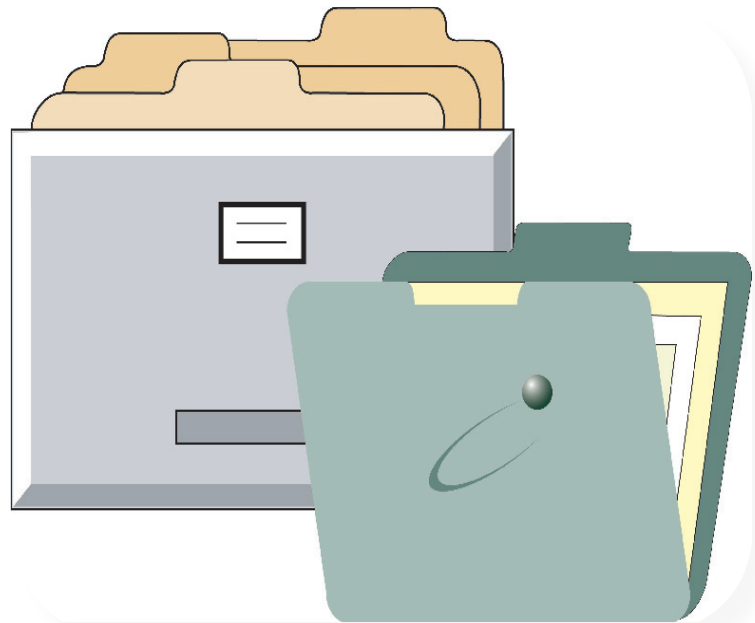


SYNERGY



clarityinfo

Real-time Access to Centralised SWIFTNet FIN Data

- Management Information System
 - Reports
 - Archiving
 - Comprehensive search capability
- Thin-client technology
 - Easy roll-out
- Centralised management
- Easy access to enterprise
 - Wide business data
- Segregation of monitoring and investigations from production
- Supports all SWIFT Interface systems



Ready Services

United Kingdom 2010





The Most Comprehensive Browser-based MIS Available For SWIFTNet FIN and Telex Messages

Information is King. Especially when it delivers instant, and assured, information on the money flowing in and out of your business. Gaining this information is even more pertinent in the arena of SWIFT global messaging as financial institutions need to be constantly aware of their traffic flows and exceptions.

Having concise and timely availability of financial information reduces risk and improves operational efficiency. Achieving real time access to your financial data is easy with Synergy's web-based management information system - ClarityInfo.

The system is designed to deliver high value information on SWIFTAlliance message data and events. However, the same principles also apply to the other SWIFT Interface systems (SWIFTAlliance Access and Fastwire etc).

ClarityInfo provides a consolidated overview of the activity on SWIFT for real-time liquidity reporting, traffic reconciliation (MIS), archiving and message retrieval (investigations).

It analyses traffic volumes and message routes (to and from counterparties and countries) by line of business, geography, and how these evolve over time (trends).

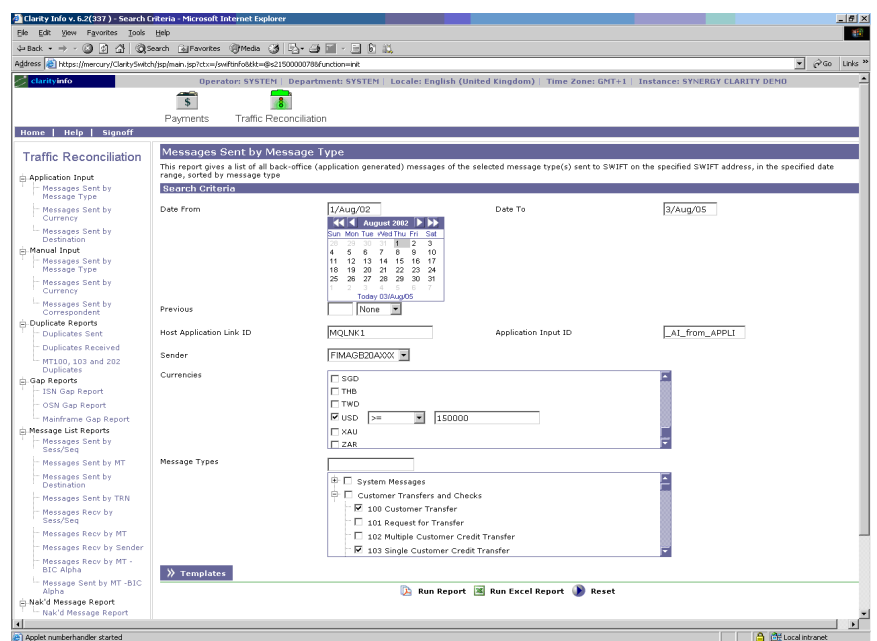
ClarityInfo is used extensively in a wide range of applications, from data aggregation and powerful investigations to monitoring message flows for duplicates.

The software typically addresses issues such as:

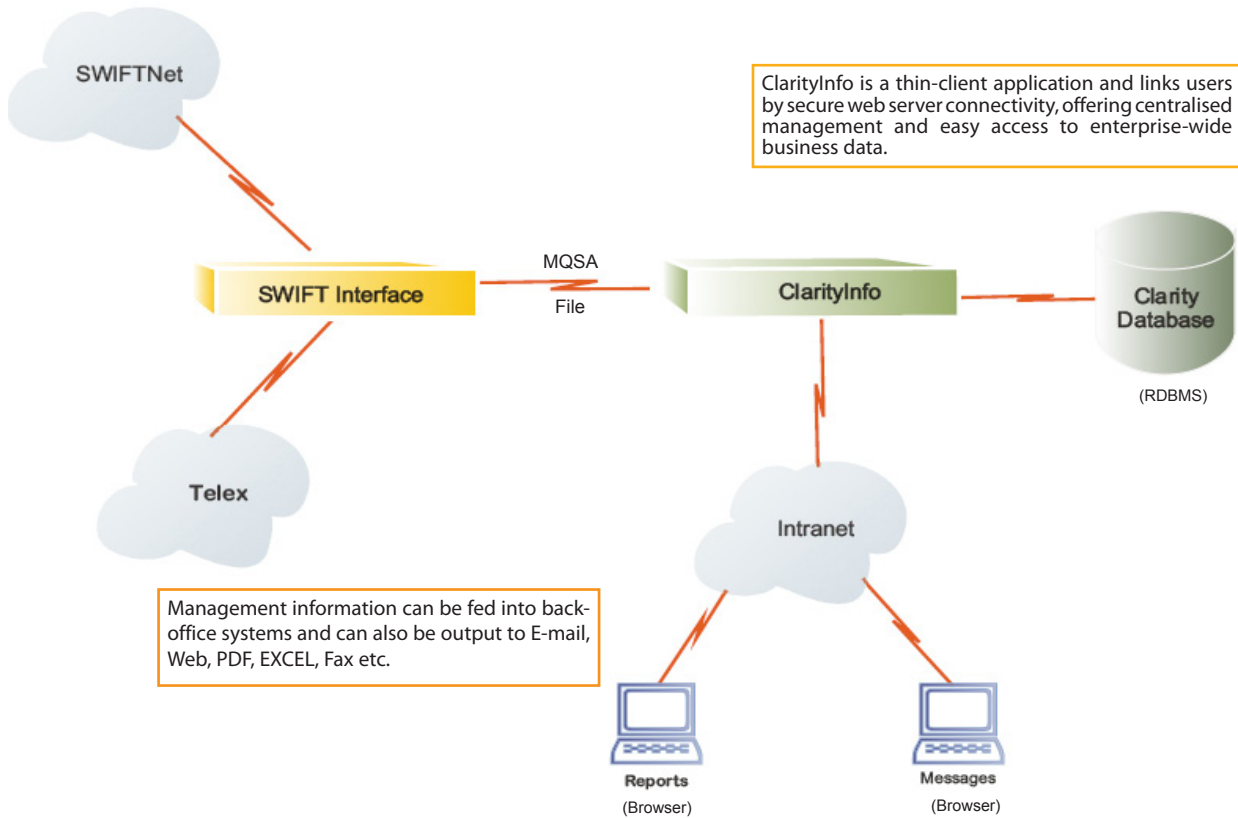
- How many cross-border payments are we sending?
- What geographic route has the highest traffic?
- How many documentary credits are sent out to the Middle East?
- How much are we spending on NAK'd Messages?

At A Glance

- Segregate monitoring and investigations from the production system
- Minimise expensive workstation licenses (e.g. Alliance Workstations)
- Web browser graphical user interface (thin client)
 - easy roll-out and zero desktop administration
- Real-time payments analysis (funds) and traffic exceptions reporting
- Intra-day reports to long-term statistics and analytical views
- Long term archive in SQL database
- Supports multiple interfaces using MQ, File (AFT), Java API or direct SQL connectivity to database
- Powerful message search to field level
- Off-loads heavy investigations and re-prints performed on the production SWIFT system
- Output reports to PDF or Excel
- Dual security officer control, with full audit trail
- User profile templates support
- User access to reports, BICs, Units, MTs defined by comprehensive security model
- Facilitates production system recovery by maintaining a real-time image of message data



Real-time Access to Centralised SWIFT Information



Key Features

ClarityInfo is available with 30 ready-to-use reports, split into 4 categories.

Financial Reports

These focus on FIN financial messages. For example, payments sent, payments received, summary of transactions etc.

Traffic Reports

These focus on the messages processed by SWIFTAlliance. They provide exception reports (ISN, OSN, Duplicates and Nak's), message lists and statistic information about the traffic generated and received by SWIFTAlliance.

Archiving & Retrieval

ClarityInfo provides powerful archiving and message retrieval functionality to help you find messages quickly and efficiently anywhere in the environment.

By using the powerful and flexible search criteria, users can query the database and search for specific messages.

User-defined Reports - ClarityInfo is extensible, which means that you can modify an existing report or write your custom reports using a third party reporting tool such as Crystal Reports™.

ClarityInfo's database schema is available for this type of user development and integration with other financial applications.

Business Benefits

- Offloads SWIFTAlliance from resource-consuming message investigations
- Disaster Recovery tool to recover lost messages using the ClarityInfo database and replay to standby SWIFTAlliance server
- Remote online access to messages via Web technology, independent from SWIFTAlliance Workstation and concurrent users license
- Easy rollout and zero desktop administration
- On-line BIC look-up
- Overcomes SWIFT Alliance constraint of searching either live message file or a one-month archive period
- Ability to interface with any external system via a tailor made gateway, using standard SQL
- Output to Excel, PDF and E-mail
- Long term message archive
- Long term traffic analysis in correspondent banking

Hardware and Software Requirements

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

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

Minimum Hardware & Software Requirements- Windows 2003 Server	
Platform	Pentium Xeon - 3.0 GHz or higher (dual processor recommended)
Operating System	Windows 2003 Server Standard or Enterprise Edition
Memory	2Gb or higher
Disk Space (static)	300Mb for software install 20Mb BIC, 50Mb UHB
Disk space (database)	Minimum of 10Gb disk space (5Kb per average SWIFT message) SCSI disks and RAID 5 recommended
LAN Adapter	1Gbit Network Interface
Database Server	SQL Server 2000
J2EE Server	IBM WebSphere 6, BEA WebLogic 9, Jboss v 3.2.3

Minimum Hardware and Software Requirements – Sun Solaris	
Platform	SUN Fire V280 (Dual Processor)
Operating System	SUN Solaris 9 or higher
Memory	4Gb or higher
Disk Space (static)	500Mb for software install (BIC UHB)
Database (RDBMS)	Oracle 10g
Disk	Minimum of 20Gb (5Kb per message average)
J2EE Server	IBM WebSphere 6, BEA WebLogic 9

Minimum Hardware and Software Requirements– IBM AIX	
Platform	IBM p520 (two way 1.5 GHz) or higher
Operating System	AIX 5L V5.3
Memory	4Gb or higher
Disk Space (static)	300Mb for software install, 10Mb BIC, 50Mb UHB
Database (RDBMS)	Oracle 10g
Disk	Minimum of 20Gb (5Kb per message average)
J2EE Server	IBM WebSphere 6, BEA WebLogic 9

Minimum Client Requirements	
Platform	Pentium III 1Ghz or higher
Operating System	Windows 2000 Professional, Windows XP Professional
Browser	Internet Explorer 6.0 or higher
Memory	256Mb or higher

Functional Summary

Transaction Management

- RDBMS based message warehouse
- Paging on demand – query management and data streaming to clients
- Powerful message archiving and retrieval
- Real-time payments summarisation
- Real-time duplicate message detection & reporting

Reporting

- Payments reporting
- Tariff accounting
- Traffic summary reports
- Message list reports
- ACK/NAK control, delivery notifications
- ISN/OSN gap reports
- Nostro balances report

Message Search and Export

- Comprehensive search capability by any field or sub-field of a message
- Export messages to PDF
- Export message search lists to Microsoft Excel

BIC Directory Support

- BIC directory store in RDBMS database
- BIC load utility
- Browser based BIC Finder application

Host Communication Adapters

- MQSA Interface to SWIFTAlliance Access
- Automated File Input & Output (RJE, DOS PC format)
- Java API

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