

Data Analytics and Reporting Tool for SWIFT Messages

Fast, efficient reporting that can inform strategy while satisfying compliance needs

The Data Analytics and Reporting Tool (DART) from INTL Technology Services LLC enables users to produce comprehensive, highly detailed reports from SWIFT messages quickly and easily. The reporting facility sits outside SAA and produces both archived and live messages.

<p>Efficiency</p> <p>No need to choose specific archive files for messages with specific date ranges; instead simply specify a date range on the main search screen and it automatically picks up all the messages.</p>	<p>Convenience</p> <p>DART gives you access to all your historical data in one database (you can choose how many years you want to retain data for).</p>
<p>Improved Insight</p> <p>DART reports provide operational statistics that can help you analyze message flows, find potential efficiencies, allocate resources more effectively, and adjust strategy accordingly.</p>	<p>Peace of mind</p> <p>DART supports internal audit and regulatory requirements by providing convenient search and reporting of messages that can be retained for up to 10 years.</p>

HOW DART WORKS

Parse and load jobs via a set of Java programs that extract the data from SAA and loads it into the relational database. This works as follows:

- A query is used to extract data from the existing SAA system (methods have been developed to extract data from both SAA 6.0 and 7.0). The extract can be configured to extract selected data (e.g. messages pertaining only to a specific BIC or messages in a specific date range).
- A loader is used to load the extracted data into a relational database.
- An automated process can be set up so that the relational database is continually updated with the latest information from the SAA at a frequency determined by the user. E.g. in INTL Technology Services LLC Service Bureau, the DART has been set up to be updated every night and so has the information current as of yesterday.

POWERFUL USER INTERFACE

DART features a browser-based user interface with the following features:

- Interface mimics the SAA, allowing the user the same search criteria as the SAA for reporting.
- Additional reports can be custom-built on request.
- Menu will show the full list of reports available in DART and the user will be allowed access only to the reports they are subscribed to.
- Report output choices of screen, csv, xls, xml and RJE.
- Search (filtering) criteria can be defined for each report.
- Search criteria can be saved as a search template for reuse.
- Fields that will be displayed in the report can be selected.
- Selections of fields for display in the report can be saved for reuse.
- Reports can be scheduled for automated delivery by email.
- Dashboard.
- User login comes with a password policy that can be configured to meet client standards.
- User are classified as administrators (to manage users) and report users (who will run reports). The specific reports that can be run by a specified report user can be determined.

COMPREHENSIVE SERVICE

INTL Technology Services LLC provides software installation assistance, operational demo, and on-going support, documentation and training. This includes training on how to run the query and load utilities.

SOFTWARE DISTRIBUTION & SPECS

The parse and load utility is distributed as a packaged Java Jar file along with other configuration files. It also requires the Java runtime environment (JRE 1.8 or higher). The utility can use any relational database of the user's choice and comes packaged with MariaDB as a default. The user-interface uses Apache Tomcat and is available on all SWIFT supported operating system platforms.




The screenshot shows the 'SWIFT ALLIANCE ACCESS DATA REPORTING UTILITY' interface. It includes search filters for date, message reference, sender/receiver type, and nature. A table displays a list of messages with columns for I/O, Receiver, Type, Creation Date, Reference, Format, Value Date, CCY, Amount, and Session No. Callouts highlight key features: 'Save As Template' for saving search criteria, 'Use Template' for reusing saved criteria, and an expand message icon for viewing details like payload and history.


I/O	RECEIVER	TYPE	CREATION DATE	REFERENCE	FORMAT	VALUE DATE	CCY	AMOUNT	SESSION NO.
I	IGLUGB2LXXXX	MT202	2019-01-23 12:05:45	0131677320145510	FIN	190124	BRL	1504.16	929
I	MIRMDUS33XXXX	MT202	2019-01-29 14:05:37	0120024171160713	FIN	190130	USD	2901870.34	930
I	COBADEFFXXXX	MT202	2019-01-07 12:40:40	0140077870152857	FIN	190108	EUR	8,000.00	927
I	MIRMDUS33XXXX	MT202	2019-01-29 14:05:37	0120024181161219	FIN	190130	USD	5,000.00	929
I	BOFMCAM2XXXX	MT202	2019-01-22 13:26:05	0120024080161535	FIN	190123	CAD	5,000.00	928
I	MIRMDUS33XXXX	MT202	2019-01-30 08:53:14	TRANSFER	FIN	190130	USD	11,000.00	929
I	MIRMDUS33XXXX	MT202	2019-01-30 08:30:41	0131683360111915	FIN	190130	USD	55419.3	930
I	MIRMDUS33XXXX	MT202	2019-01-23 10:35:59	0131676970132507	FIN	190123	USD	32195.3	929
I	COBADEFFXXXX	MT202	2019-01-10 07:05:51	0120023950093318	FIN	190110	EUR	310000.0	927
I	MIRMDUS33XXXX	MT202	2019-01-25 07:36:05	0120024121092740	FIN	190125	USD	609079.55	929
I	MIRMDUS33XXXX	MT202	2019-01-24 07:41:10	TRANSFER	FIN	190124	USD	150000.0	8947
I	MIRMDUS33XXXX	MT202	2019-01-18 13:51:02	0120024071160915	FIN	190122	USD	37732.12	928
I	MIRMDUS33XXXX	MT202	2019-01-18 13:51:02	0120024061160447	FIN	190122	USD	1854850.32	928
I	MIRMDUS33XXXX	MT202	2019-01-30 06:45:38	0120024191093455	FIN	190130	USD	1,000.00	930
I	BOTKJPJTXXXX	MT202	2019-01-18 13:11:00	0120024066160230	FIN	190122	USD	1,000.00	928
I	MIRMDUS33XXXX	MT202	2019-01-17 14:06:02	0120024041161035	FIN	190118	USD	1,000.00	928
I	MIRMDUS33XXXX	MT202	2019-01-23 09:20:59	0120024091121034	FIN	190123	USD	1,000.00	927
I	MIRMDUS33XXXX	MT202	2019-01-17 14:06:02	0120024051162702	FIN	190118	USD	1,000.00	928
I	BOFMCAM2XXXX	MT202	2019-01-17 13:20:53	0120024044160621	FIN	190118	CAD	40000.0	928
I	MIRMDUS33XXXX	MT202	2019-01-09 13:41:05	0120023931155533	FIN	190110	USD	2415.64	927

CONTACT US

For more information on how we can help you, contact:
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We open markets for our clients, guiding them to opportunities they wouldn't ordinarily have a chance to seize. We empower them to take full advantage of today and propel them toward new opportunities in the future.



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