



# Integration Plug-ins

## Covering the Standards Landscape

Volanté provides an extensive set of message standards libraries and proprietary data integration components that together with the Volanté Designer deliver great efficiency, faster ROI and lower TCO. By dramatically reducing the standards expertise overhead and the required development resources, Volanté consistently demonstrates reductions in integration project costs that range from 60-80%, when compared to hand-coding.

Financial message standards are available across all asset classes, from front to back office. Volanté provides plug-ins for over 70 financial formats in addition to a range of support for proprietary formats and document-style content.

All across the operational landscape

Whether the specific domain is capital markets, treasury management or payments, and regardless of the stage in an operation’s lifecycle, message standards are used to communicate between applications and between financial organizations or other parties involved in the transaction lifecycle, Volante provides the right format library for the right domain, and these are called ‘plug-ins’.

Domain	Front	Middle	Back
Capital Markets	FIX, FpML, SWIFT FIN MT5nn, ISO 20022, MDDL	FIX, FpML, SWIFT FIN MT5nn, ISO 20022, MDDL Euroclear, Omgeo OASYSGlobal and CTM, TRAX, AVOX, CREST, XBRL	FIX, FpML, SWIFT FIN MT5nn, ISO 20022, MDDL Euroclear, Omgeo OASYSGlobal and CTM, TRAX, Avox, CREST, T2S
OTC Derivatives	FpML, DTCC, MarkitWire, SEF/OTF	FpML, DTCC, MarkitWire, CCP	FpML, DTCC, MarkitWire, SDR
Payments / Cards	SWIFT FIN MT1nn, ISO 20022 PAIN, SEPA, STEP2, EDIFACT, X.12, Domestic legacy ACH, CGI, ISO 8583	ISO 20022, MTn92	SWIFT FIN MT1nn, 2nn, 4nn, 9nn, ISO 20022 PACS, SEPA, STEP2, EDIFACT, X.12, Domestic legacy ACH, ISO 8583
Insurance	ACORD, Origo	ACORD, Origo	ACORD, Origo
Investment Funds	ISO 20022, 15022	ISO 20022, 15022	ISO 20022, 15022
Treasury	SWIFT FIN MT3nn, ISO 20022, FIX, FpML	SWIFT FIN MT3nn, ISO 20022, FIX, FpML	SWIFT FIN MT3nn, ISO 20022, FIX, FpML
Exchanges	FIX, FAST, Proprietary API	N/A	N/A

Volante plug-ins for these standards provide a data dictionary, a message library and validation rules as applicable. All plug-ins are provided and supported by Volante on a timely basis as the standards evolve. Volante Technologies has been a member for many years of many of the most important financial and technological messaging standards organizations, getting first hand information about standards updates and new developments. This involvement ensures that Volante customers receive updates and new messages well before deadlines.



The following formats are available from Volante with equivalent runtimes that can be executed on any platform. As the number of formats that are supported constantly grows and evolves, the list below is not exhaustive. Please check with Volante if the required standard is not listed below.

### 1. SWIFT

- MT ISO 7775 & ISO 15022
- MX
- MT-MX Translations

### 2. ISO

- ISO 20022
- ISO 8583

### 2. Derivatives

- FpML - Support for ISDA Business Rules
- Support for SWIFT CUG Business Rules
- Support MUREX format and workflow
- Connectivity to DTCC (Deriv/Serv and Affirm/Express)
- Support for SEF/OTF, CCP and SDR

### 3. Payments and cash management

- SWIFT Plug-In and ISO 20022 Plug-In including the following formats:
  - SEPA and the PSD initiative: for Credit Transfers and Direct Debits
  - TARGET and TARGET2: for RTGS via EU central banks
  - EURO1, STEP1 and STEP2: net settlement systems
  - CLS: foreign exchange transactions
- ISO 8583 (all versions)
- EDIFACT and X12
- NACHA, and other country-specific ACHs and immediate payment formats
- BAI2/BTRS
- CGI
- SAP Pexr
- SAP IDoc
- SWIFT SCORE

### 4. Reference data

- S&P
- Thomson Reuters Data Scope
- Bloomberg BackOffice
- Avox
- SWIFTRef
- Accuity

### 5. Market data

- Vendors data feeds
  - Thomson Reuters RMDS
  - Bloomberg – B-pipe
- Direct Exchange data feeds
  - Options (OPRA, CME)
  - Equity (NYSE, ARCA)
  - FX (Currenex)
  - Others (ISE, BATS)

### 6. Trade data

- FIX (all versions)
- FIXml
- FCS/CMS

### 7. EDI

- EDIFACT (all versions)
- ACS X12 (all versions)
- Other variants

### 8. Treasury and Trade services

- FIX
- SWIFT MT3XX
- TSU
- Bank Payment Obligation

## Integration Plug-ins

### Generic Format Plug-Ins

Any proprietary data layouts can be represented using the following Volante format plug-Ins, either through importing metadata or by manual definition:

- ASCII Fixed Width
- ASCII Delimited
- COBOL Copy Book
- Universal Plug-In
  - BINARY data layouts
  - Semi-Structured
  - Proprietary data layouts
- XML
  - Any XSD
  - Any DTD
  - User Synthesized XML

### Command Processors for File type Handling

- FTP Command Processor
- MQ Series Command processor
- ZIP File Reader Command Processor
- SMTP e-mail Reader Command Processor
- HTTP(S)
- MIME
- JMS
- Simple file

### Document Style Plug-Ins

- MS EXCEL
- MS WORD
- Adobe PDF
- RTF

### General Plug-Ins

- Web Forms (to generate HTML pages for message entry/repair, or dashboard applications)
- Database Persistence for read/write to any database during a process flow or transformations
- Hadoop

For more information about Volante tools and plug-ins for integration and data management, please contact us at [info@volantetech.com](mailto:info@volantetech.com) or contact one of our regional offices below