



## ConteX 4 – Supported Handlers

**ConteX 4 has a modular architecture that enables us to deliver precisely the product configuration a customer requires. Each module, or adapter, that's added to the kernel to achieve the required configuration is called a "handler". ConteX 4 supports a wide variety of handlers to receive, publish and manipulate real-time data.**

Handlers are classified into four groups: Input Handlers which receive data from a source, Output Handlers which publish or contribute data, Managed Processes which include data feed handlers, and Value Added Modules that provide additional functions.

The existing set of handlers, built up over more than eight years since the product was first delivered, suits the vast majority of customer configurations. Should a new handler be required for a particular situation, Gissing's expertise in real-time data routing and protocol conversion, and the modular architecture of the product, means that we can build a new handler very quickly.

### Contex 4 Input Handlers

Code	Handler Name	Handler Description
<b>CSVI</b>	Comma Separated Value Input Handler	Reads data from any text file into ConteX. It detects if the file has been modified and updates ConteX. Can pass static or 'nearly static' data into ConteX.
<b>CTXI</b>	ConteX Interconnect Handler	CTXI enables ConteX 4 to accept data from a CTXO handler running on a separate ConteX server enabling sharing across ConteX servers.
<b>DBSI</b>	Database Snapshot Input Handler	Reads data from any OLEDB data source, including any ODBC data source, into ConteX
<b>RMDSI</b>	RMDS Input Handler (RFA Implementation)	RMDSI can be used either to subscribe to data from the Reuters RMDS platform (connecting in point-to-point mode to a Reuters P2PS and subscribing to data in an existing SSL source, or subscribing to records in an RTIC using SASS 3) or as an SSL 4.5 source accepting inserts from SSL sinks. It is implemented using Reuters' RFA version 6.
<b>RTXLI</b>	RealtimeXL Input Handler	TCP/IP based input handler to receive data from the RealtimeXL Excel add-in. Allows multiple users to contribute data simultaneously directly into ConteX. Includes a permissioning mechanism.

<b>SSLI</b>	Triarch SSL Input Handler	Direct replacement for the Reuters DCS and/or OCS using the SSL4 API. In Source mode works with standard front end applications such as Openlink and PPPro. In Sink mode works with standard Sources such as the DDS/DTS.
<b>TC2I</b>	TCP Input Handler Version 2	Socket based "open" handler to use with contribution applications that do not rely on a specific underlying market data platform or middleware. Sample code is provided to show how applications may use this handler.
<b>TRVI</b>	TIB / RV Input Handler	Supports both the TIB market data platform (SASS2) and pure (non SASS) Rendezvous.

## Contex 4 Output Handlers

Code	Handler Name	Handler Description
<b>BBGO</b>	Bloomberg MPF Output Handler	Fully featured handler to support the rich functionality provided by this protocol. Includes risk management features that make it ideally suited to executable price contribution.
<b>BMMO</b>	Bloomberg Money Market Offering Output Handler	Enables contribution of data to the Bloomberg Money Market Offering using their ECPX protocol.
<b>BRFO</b>	BRF Output Handler	Publishes trade data out to the Bloomberg Retail Feed.
<b>DCSO</b>	DCS Triarch Output Handler	Performs SSL Inserts to a Triarch Source, such as a DDS / DTS or DCS.
<b>EBSO</b>	EBS Benchmark Output Handler	Publishes FX benchmark data to EBS for processing by their benchmarking system.
<b>ERSO</b>	LSE Exchange Reporting Service Output Handler	ERSO generates daily LSE transaction report files.
<b>LIGHTO</b>	Lightstreamer Integration	Provides an interface between Contex and the Lightstreamer product for realtime publishing on web pages.
<b>MAXO</b>	Market Axess Quote Output Handler	Publishes prices (inventory) to the Market Axess ECN
<b>MIFTO</b>	MiFID Trade Output Handler	MIFTO forwards MiFID compliant post-trade reports to a suitably authorised Trade Data Monitor or equivalent services such as LSE TradElect using FIX
<b>MKLO</b>	MarketLink serial/IP Output Handler	Extremely efficient and comprehensive Marketlink Output Handler. Supports Marketlink XCI gateways and Marketlink IP v1. Can also contribute Marketlink v1 over IP.
<b>MLIO</b>	Reuters MarketLink IP v. 1.5 Output Handler	Supports Marketlink IP v1.5 for Reuters Fixed Income contribution (RTFI)
<b>MLIP2O</b>	Reuters MarketLink IP v. 2.0 Output Handler	Provides full support for the latest Marketlink IP v2 specification.
<b>RTRO</b>	Reuters RMDS (SFC) Output Handler	Supports the SASS3 protocol in both QForm and Marketfeed varieties as well as legacy SASS2 support, and P2PS based infrastructures.
<b>RTXLO</b>	RealtimeXL Output Handler	TCP/IP based output handler to make data available from Contex to the RealtimeXL Excel add-in. Allows multiple users to subscribe to data simultaneously. Includes permissioning mechanism.
<b>SSLO</b>	Triarch SSL Output Handler	Allows Contex to mount as a Source to make contributed data available to subscribing applications. Particularly useful for IBOXX contribution.
<b>STAT</b>	Contex Status Output Handler	Allows monitoring of Kernel and all Contex input and output handlers (with the exception of trade reporting or "managed process" handlers) making status information available for use by ITRS Geneos system.
<b>TCPO</b>	TCP Output	A TCP/IP socket based handler providing an efficient mechanism for receiving data from Contex. Provided as a C++ wrapper, COM object and Java API.
<b>TRCO</b>	Thomson Reuters Contribution Output Handler	Connects directly to the Thomson Reuters IDN thereby allowing data to be contributed directly from Contex without the need for an additional gateway.
<b>TRVO</b>	TIB / Rendezvous Output Handler	Market data received from any Input Handler available via the TIB backbone. Supports both subject name and form class mapping.
<b>WEBO</b>	HTTP Output Handler	Handler for implementing Intranet / Internet publishing via HTML or XML over HTTP. Includes an integral HTTP server.
<b>XMSO</b>	XML Streaming Output Handler	Supports broadcast publication of data to multiple clients via streaming XML.
<b>XRSO</b>	Rate Snapper Output Handler	Output snapshots of data sets at predefined times or on demand to file.

## Contex 4 Managed Process Handlers

Code	Handler Name	Handler Description
<b>BETF</b>	Bloomberg Equities Trade Feed	Receives data from the Bloomberg Equities Trade Feed and makes it available through MQ, Rendezvous CM or text file output.
<b>BRKF</b>	BrokerTec Data Feed	Captures post-trade confirmations from the BrokerTec Repos ECN and publishes them to back office applications, enabling STP.
<b>BSEOMF</b>	Bloomberg SSEOMS Trade Feed	Receives data from the Bloomberg Sell Side Equity Order Management System Trade Feed and makes it available through MQ, Rendezvous CM or text file output.
<b>BTCF</b>	Bloomberg Trade Capture Feed	Captures post-trade confirmations from the Bloomberg Trading System and publishes them to back office applications, enabling STP.
<b>BTSC</b>	Bloomberg Trading System Counterparty Feed	Interfaces to the Online Counterparty Feed and Batch Counterparty Feed. Provides counter-party data on demand and real-time updates.
<b>BTSG</b>	Bloomberg Trading System Gateway	Interfaces to the Bloomberg Trading System and provides the connection point for other BTS Integration handlers.
<b>BTSP</b>	Bloomberg Trading System Positions Handler	Interfaces to the batch position feed (AF200) and Online Position feed. Provides position data on demand and real-time updates.
<b>BTSQ</b>	Bloomberg Trading System Quotes Handler	Interfaces to the Online Price Feed and Bloomberg Data Licence. Provides price data on demand together with real-time updates.
<b>BTSR</b>	Bloomberg Trading System Retail Feed Handler	Publishes trade data out to the Bloomberg Retail Feed from an MQ connection.
<b>BTSS</b>	Bloomberg Trading System Securities Handler	Interfaces to the Online New Security Feed, Batch Security Feed (AF400) and Bloomberg Data Licence. Provides client applications with static security data on demand together with real-time updates.
<b>BTST</b>	Bloomberg Trading System Trades Handler	Interfaces to the Online Trade Feed. Provides post-trade confirmations on demand together with real-time updates.
<b>JVIF</b>	JVIF Interface Handler	Allows Contex to manage and communicate with pre-defined Java processes.
<b>MTRF</b>	MTS Repo Feed Handler	Captures post-trade confirmations from the EuroMTS Repos ECN and publishes them to back office applications, enabling STP.

## Contex 4 Value Added Modules

Module Name	Handler Description
<b>Delayed Data Module</b>	Receives data from Contex input handlers and delays data in the range from 1 second to 4 hours, before passing it on to a Contex output handler
<b>Page Shredding Module</b>	This provides a mechanism for shredding logical records from page records. Templates define which areas of the page contain the record and field names and where to retrieve the data for those records from. As the page records update, the shredded records will also update in real-time.
<b>Page Formatting Module</b>	This module allows construction of page records from dynamic lists of logical records. Templates define location and format of static text and dynamic data from the source records. As the data in records changes or records are added or removed from the list, the page is rebuilt in real-time.
<b>Derived Data Module</b>	The Derived Data module allows you derive new output fields from other fields in the input data record.
<b>Validation Module</b>	The Validation module lets you set both relative and absolute parameters for data fields with a user-configurable choice of actions in the event of failure.

Founded as Gissing Consulting in 1991, Gissing is now the leading supplier of multi-vendor contribution systems to financial institutions worldwide. We have more than 30 major investment banks and brokers as clients and offices in London, New York and Hong Kong. Gissing was acquired by Reuters in January 2008 and now operates as a division of Thomson Reuters.