

# TAPMaster Publisher – Reference Data, Real-Time

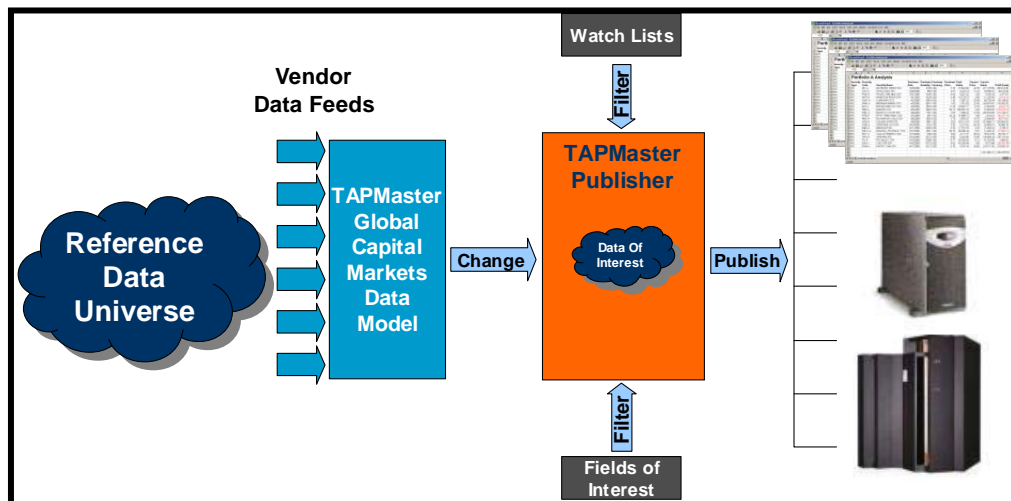


## Real time data content changes and distribution

### Features

- **Real time event monitoring** - the system identifies changes as data are processed from data feed to the database. Candidate events are captured and logged for onward publication.
- **Field-level monitoring** - TAPMaster Publisher monitors for change at the field level.
- **Consistent data format** - all candidate events are reformatted into a single consistent format and delivered for publication. Data content is published in XML format.
- **Automated publishing** - on a first in, first out basis, formatted messages are then published to the network, notifying messaging middleware of events detected in the data processing flow.

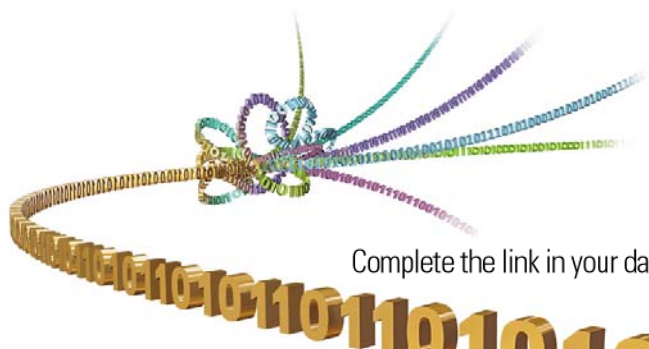
TAPMaster Publisher provides real-time detection and notification of changes to data hosted within TAPMaster. With TAPMaster Publisher, changes to data are pushed to consuming applications that subscribe to defined content, using industry standard messaging middleware, delivering reference data in real-time. The TAPMaster Publisher concept is illustrated in the following diagram:



TAPMaster Publisher performs the following functions:

- Reads the incoming stream of data feeds on an event driven basis
- Maintains a log of all data feed activities
- Monitors the data feed content and detects changes from previous values for every field
- Provides a user interface to subscribe to change notifications, including fields to monitor and data payloads to deliver
- Formats all data content into a standard XML format
- Connects to industry standard messaging middleware applications including:
  - Microsoft Message Queue (MSMQ)
  - IBM WebSphere MQ
- Maintains a complete audit log of all published messages
- Maintains a list of completion events

Complete the link in your data infrastructure.



## Features

- **Connectors** - as a generic message creation facility, TAPMaster Publisher provides open connectivity to today's messaging middleware applications such as Microsoft Message Queue (MSMQ), IBM WebSphere MQ, TIB/RV, and RMDS.
- **Message logs** - containing a log of all messages published by the server, allowing for full audit trails to support business functions.

### About Asset Control

The Asset Control brand is synonymous with data integrity. Many of the world's premier global financial institutions have entrusted Asset Control with their investment data management needs. To learn more about Asset Control's robust solutions for Centralized Data Management (CDM) please visit our website [www.asset-control.com](http://www.asset-control.com).

## User Interfaces

Publisher introduces two browser-based user interfaces to provide full command and control over the publication stream:

- Publication Manager – allowing users to define the universe of content to monitor changes and the data payload to be delivered
- Watchlist Manager – providing users with the ability to watch for changes to particular securities by portfolio

All access is via standard web based navigation, using the Global Capital Markets data model, consistent across the entire TAPMaster product suite.

## Business Benefits

- Early detection of change - TAPMaster Publisher detects changes in reference data before it reaches the database, allowing for instant notification of new data to business applications without impacting database loading or data management activities.
- Field level detection - TAPMaster Publisher detects and publishes changes at the field level. TAPMaster Publisher monitors thousands of securities reference data attributes provided by vendors and held in the Global Capital Markets data model.
- Monitors securities of interest - TAPMaster Publisher supports the definition and use of security watch lists to allow specified securities to be monitored for change, dramatically reducing the amount of information that needs to be managed.
- Supports multiple publications - TAPMaster Publisher allows multiple Publications to be created to support every business need. Publication content can be directed to specific queues in the messaging infrastructure, serving all users simultaneously.
- Rapid development of interfaces - TAPMaster Publisher solves one of the major system integration challenges by providing data changes to event-driven applications through both standard messaging infrastructures and file bulk delivery.
- Easy auditing of data changes - TAPMaster Publisher allows all data changes to be published to data audit systems.
- Industry standard integration - Using standard connectors to messaging middleware systems supports rapid integration.
- Add new feeds - The use of XML to provide the message content allows for continuous improvement in content availability without adversely impacting consuming applications. New data feeds and data feed extensions are automatically added to the dataset available through TAPMaster Publisher, without any downstream system impact.
- Add-on module - TAPMaster Publisher is an optional add-on product module to complement and provide enhanced functionality to an existing TAPMaster system. It integrates seamlessly with the core TAPMaster platform without any additional integration or configuration.
- Consistent interface - TAPMaster Publisher publishes content using the same XML format, and uses the same data model standards as other TAPMaster components.

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