



Tradeshape Integration Server and Tradeshape Integrator.

"Oh! No! Not another merger!" - he cried.

Why TS Integration Server?

No more spreadsheets, VB Apps, shell scripts, sed, awk, perl, SQL scripts, stored procedures... the list goes on.

No more cutting and pasting figures between screens.

No more proprietary languages for developers to learn.

No more interfaces to create to various file formats...

TS Integration Server and little brother, TS Integrator, can help you get one platform and one place to perform all of your data retrieval, supply, translation, validation and storage[®].

Integration of software packages, and disparate systems, either local or remote, is a necessity in enterprises of all sizes.

Tradeshape recognise that integration work consumes resources, time, money. It is often the case that what starts off as the need to translate data between two systems rapidly escalates to more than one place.

To solve issues quickly different languages and scripting languages start to be used whereas, had one middleware platform have been commissioned, it would be easy to track. However most middleware solutions have a high initial cost. Though many fixes are quick and easy to implement, their overall cost rises over time and maintainability becomes increasingly problematic.

With our experience Tradeshape Integration Server and Tradeshape Integrator were designed to cope with the majority of scenarios with little configuration. Removing the use of custom tools and proprietary languages means that the configurations are easier to maintain, that staff training is reduced and availability of trained personnel outside of the enterprise is higher.

Small scale integration – Integrator is for you!

For one or two point to point solutions, TS Integrator is ideal. Simple lightweight and low cost.

If the requirement expands there is an easy migration path between TS Integrator and TS Integration Server, making the decision to choose TS Integrator future proof.

Multiple data silos – one installation fits all.

Within the product we realise that more than one legal entity may be involved so TS Integration Server allows data to be strictly segregated keeping sources and static data apart.

Likewise for ASP or outsourcing providers, one installation can serve a series of clients and guarantees that the data for each of them is segregated.

Broken data – easy to fix.

With internal integration projects it is often found that data can be rejected due to missing static data or even incorrectly formatted data. These exceptions can be retrieved by the server and certain actions taken such as repairing the original data or setting up data and resending transactions. But it is often the case that these breaks can occur in several places and looking for them is not straightforward. We realise that data repair becomes essential in the world of high speed world of transaction processing.

Traditionally, enterprises have built small applications to allow these activities to take place, using products such as Visual Basic[®] or Powerbuilder[®]. TS Workstation offers a web based secure environment where exceptions can be monitored and repaired and more importantly audited.

In fact, TS Workstation can also maintain static data to allow enrichment to take place and data to be stored within the TS data store.

Key Features

Here is a list of some of the key features of these products.

Configuration

- Web based configuration[®] (file based for Integrator)
- Open standards and technologies throughout the system (eg. XML, XSLT, XML Schema, Relax NG) - no proprietary technology to learn.
- Import and Export facilities for moving configuration between systems. Configuration export format is text allowing for easy integration into source control.

Inbound processing

- Full data validation. Once data has been parsed, each field can be validated.
- Batch processing. Define the parameters of batch data for easy separation.
- Propagation of information for master/child relationships. For data whereby a master record may be present in a file and that data is deemed to be important to all other records, fields from the master record can be propagated across to fields in the child records.
- Definition of inbound entity. If the system is required to be used by more than one entity (legal entity or multiple clients), the system can be used to derive the source entity and assign that entity to the message.
- Audit contains details from data input. For example file based input will have details of the file used on input. In the case of batch files, the record number in the file will also be maintained.
- For file based transports, the input file can be automatically archived.
- Triggered process time. Start processing can be triggered by an external event – ideal for batch processing.

Outbound processing

- Batch creation by time, file size, number of transactions or any combination.

- Aggregation across outbound data. Perfect for summary records in batch files or header fields on multiple SWIFT messages
- Data segregation between different entities. If different entities are being served, the system can decide once processing is finished which entity will become the recipient.

Translation

- Translation of data. Map fields from one format to another via XSL..
- Enrichment from internal and external sources. Ideal if lookups are required from static data to derive external details from internal details.
- Transactions can be batched together and processing can take place on the overall batch.
- Multiple translations to the same message.
- For complex operations outside of the limits of the application, facilities permit customised hook facilities to be written in Java to allow for additional processing.

Security

- Separate configuration database. Once configured there is no need for the configuration software to be present on the production server.
- Full audit of all actions.^①
- When integrated with TS Workstation, both system and user actions will be shown.^①

Architecture

- Data input from many sources using industry standard interfaces such as File, FTP, JDBC, Sockets, MQ. Additional interfaces for API's can be easily built if necessary.
- Java EE implementation for platform neutrality. Can work with any Java enabled platform including Microsoft Windows[®] and Linux
- Guaranteed delivery.^①
- Load balancing by design.^①
- High availability clustering and database replication available^①

Expansion with other Tradeshape Products^①

- Dynamic analysis for MIS reports using TS Analyser.
- Transaction monitor, alerting and repair is available within TS Workstation.
- Analysis of message traffic and error handling to guide process improvement.

For more information and pricing, please contact Tradeshape.

Unit 4
2 Drury's Avenue
Midleton
Co. Cork
Ireland.

Web: www.tradeshape.com

telephone: +353 (0)21 4639374

email: enquiries@tradeshape.com

① Indicates this functionality is only available on TS Integration Server

② Visual Basic and Windows are trademarks of Microsoft Corporation

③ Powerbuilder is a trademark of Sybase Inc.