



The changing face of healthcare and evolving regulations such as the Affordable Care Act necessitate systems interoperability for efficient data transfer, especially patient related data. To enable seamless data exchange across the healthcare value chain and improve productivity, companies require an end to end interface that facilitates collaboration with state, federal, and other entities.

Tata Consultancy Services' (TCS') Data Integrator offers an intuitive, highly flexible, and configurable user interface to simplify data transformation and exchange. Our solution can extract data residing on any system in any format, and transform it into the required output format. TCS Data Integrator enables the handling of multiple file formats as well as large volumes of test messages, and protects data confidentiality, to promote regulatory compliance.

## Overview

Complying with rapidly evolving healthcare reforms requires companies to store, manage, and exchange data securely and in the relevant format. However, configuring multiple file formats is often tedious, time consuming, and requires technical knowledge. Healthcare industry players require a solution, customized to the needs of the enterprise, that can facilitate data exchange in a secure and efficient manner to support collaboration across the healthcare ecosystem and drive shorter turnaround time.

TCS Data Integrator is a comprehensive solution that securely transforms data. It is capable of handling different input file

formats including EDI, Custom, CSV, Excel, HL7, NCPDP, and database fields. The integrator comprises a parser for each file format, which checks syntactical grammar and data semantics of the input file. The input data is then validated against a set of pre-defined standards and business rules. This is followed by the transformation process that includes extracting the input data, mapping it to output fields, and creating the desired output format. The resulting output format can be routed to any location using the gateway, while users can schedule transformation jobs to run at pre-defined times using the scheduler. With support for multiple languages, the Data Integrator allows payers, providers, pharmacies, and other players in the healthcare ecosystem to exchange data in prescribed formats to ensure compliance and accelerate time to market.

## Benefits

TCS Data Integrator provides healthcare organizations high quality, integrated data for better patient care as well as more efficient operations. The benefits of adopting the solution include:

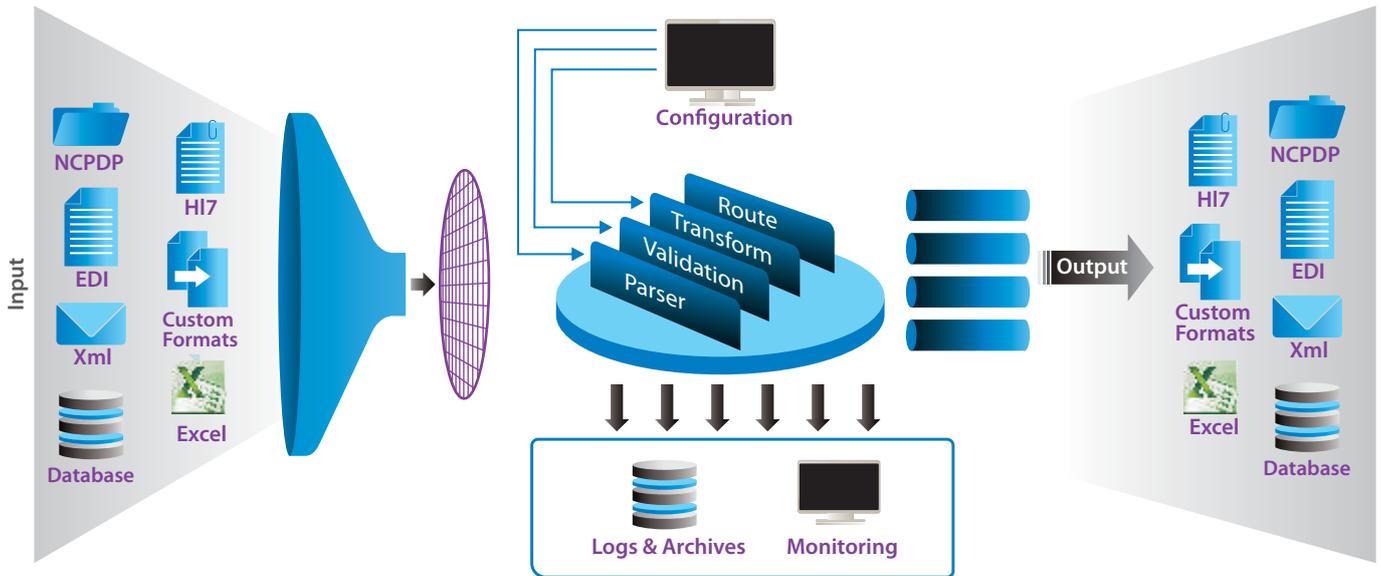


**Improved governance:** Monitor transformation and file transfer jobs running at scheduled times. Log and archive transformed data and error records to support audit and regulatory compliance.



**Enhanced connectivity:** Enable connectivity across enterprise systems, and leverage an end to end interface that supports connectivity with different entities in the ecosystem, including state and federal exchanges.

## An overview of TCS' Data Integrator Transformation Process



## The TCS Advantage

TCS' Data Integrator solution requires no changes to your existing IT environment or legacy systems, and enables data transformation without any incremental maintenance effort. It also delivers the following unique advantages:

- **Leverages pre-existing artifacts:** Our pre-defined and reusable library of rules supports configuration of transformation and validation rules, thus improving turn around time as well as establishing consistency in data handling.

- **Data integrity and compliance:** The Data Integrator encompasses a user management module coupled with a Lightweight Directory Access Protocol (LDAP) server, to enable role based access for enhanced data integrity. It also ensures data security and healthcare patient privacy in compliance with regulations such as the HIPAA.



### Ability to handle diverse data sources:

Receive files from multiple locations simultaneously using different protocols, and transform those files at pre-defined schedules. The Data Integrator easily integrates with leading databases.



### User friendly interface:

Simplify the configuration of file formats with our solution's highly configurable user interface (UI) that supports drag and drop input - output field mapping. Eliminate the tasks of programming, scripting, or changes to code, for system configuration, so that even non-technical staff can handle requests independently.

## Awards & Recognition



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Tata Consultancy Services is an IT services, consulting and business solutions organization that delivers real results to global business, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled infrastructure, engineering and assurance services. This is delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development. A part of the Tata Group, India's largest industrial conglomerate, TCS has a global footprint and is listed on the National Stock Exchange and Bombay Stock Exchange in India.

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