

# IBM Sterling Transformation Extender

## "Any-to-Any" Data Transformation

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### Highlights

- Reduce Complexity, Reduce Costs
  - Cloud Enabled
  - Universal and Flexible
  - Certified Container Support
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For companies operating in the highly-connected global economy, data and digital connections are critically important to achieving business objectives. As the sources of data continue to grow in volume and complexity, transforming data formats, validating data and creating value from data have become increasingly important and challenging tasks. Complying with rapidly changing industry and regulatory standards only compounds these challenges.

Businesses face an array of tasks in transforming and validating complex data into standard formats. First, they need fast and flexible data transformation systems that can handle current and future workloads. Second, they need to produce and validate data in a wide range of industry standards. And finally, they need solutions that offer the fastest throughput available and can be deployed quickly.

### Reduce Complexity, Reduce Costs

IBM Sterling Transformation Extender (ITX) empowers you to transform, validate and ensure compliance of data – and to automate, accelerate and scale these processes enabling your organization to reduce complexity and related costs.

ITX is specifically designed for high-volume, complex transformation and validation of data across a range of different formats and standards. It includes advanced support for metadata mapping, validation of resulting maps, governance and compliance for specific industries including finance, healthcare and supply chain.

## Cloud-Enabled

ITX can engage data residing in the cloud – and in various hybrid cloud contexts – protecting your current investments and enabling easy access and integration of data and technologies where required. ITX is now also supported through Red Hat Certified Docker containers.

## Universal and Flexible

ITX is a universal, scalable and flexible solution that enables you to design, map, transform and validate data in a variety of ways that suit your specific demands. The solution is specifically designed to enable and automate universal data transformation whether EDI, XML, JSON or any other format. Simply describe your data, and then let the solution help define and transform it.

The solution provides robust, graphical representation of your data – and has capabilities and methodologies that are built around the structure of the data. The solution supports multiple data inputs in different formats, and on the output side, the solution can create multiple, separate formats. Many-to-many transformations can be performed without requiring you to go to an intermediate transformation XML every time you want to transform from one form of EDI to another. The solution can take in one file, or multiple files, and within each file you can create multiple different formats.

## Certified Container Support

Sterling Transformation Extender also has options for certified containers in the hybrid cloud which deliver increased security and greater cost-effectiveness. IBM Certified Containers for Sterling Transformation Extender are enterprise-grade, secure product editions with integrated common software services for consistent deployment life-cycle management including easy install and configure options, management of upgrades and roll-back, scalability, and security.

## Mapping and Reusable Functions

Sterling Transformation Extender's robust functions ensure that your data gets transformed quickly and accurately. IBM Transformation Extender allows you to create reusable components that help you to be more productive than hand coding, and you can easily reuse methodologies that have been previously applied.

## Industry Standards

Sterling Transformation Extender provides out-of-the-box capabilities to integrate a range of industry-standard data formats with an enterprise infrastructure. Industry packs help accelerate the delivery of transformation solutions by providing pre-defined schemas and maps. In many cases, the solution also offers validation tools to help reduce risk in projects that require conformity to mandatory and advisory guidelines. IBM Transformation Extender industry packs include:

### Financial Services

- **SWIFT:** Support for Society for Worldwide Interbank Financial Telecommunication (SWIFT) standards such as Release Guide (SRG) and SWIFT Net FIN updates, including MT-MX message coexistence and the catalog of SWIFT messages and business rules. Validation to help ensure that messages conform to SWIFT message standards, delivery monitoring, and prioritization of message storage and retrieval.
- **ISO 20022:** Includes International Standards Organization's universal financial industry message scheme.
- **SEPA:** Includes templates for Single Euro Payments Area (SEPA) credit transfers and direct debits, mapping between SEPA and the Society for Worldwide Interbank Financial Telecommunication (SWIFT) as well as validating against the European Payments Council's SEPA implementation guidelines.
- **NACHA:** Validate transformations using the guidance provided by the National Automated Clearing House Association (NACHA).

### Healthcare

- **HIPAA:** Provides ready-to-execute template definitions and compliance validation for the American National Standards Institute (ANSI) X12 Health Insurance Portability and Accountability Act (HIPAA) standard as well as 4010 and 5010 flat file formats for professional and institutional claims and coordination of benefits.
- **HL7:** Supports standards for the exchange, management and integration of clinical data intended to promote interoperability between healthcare information systems via the Health Level 7 (HL7) standard sets.
- **NCPDP:** Includes support for the D.0 transaction set, template definitions for the SCRIPT transaction set, all finalized HIPAA National Council for Prescription Drug Programs (NCPDP) telecommunications transaction sets and the Batch Standard format.

## Supply Chain Support

- **X12:** B2B standard for inter-industry electronic exchange of business transactions; primarily in North America.
- **EDIFACT:** International standard for EDI, Electronic Data Interchange For Administration, Commerce, and Transport.

## Validation

Through IBM Sterling Transformation Extender's intuitive user interface, you not only see the hierarchical structure of data but also any rules that are applied to any of the components, as well as related restrictions and properties. The solution also offers quick, efficient, and configurable pass/fail validation to determine if data is 'good' or 'bad' – and can then perform separate processing based on the results. Even if standards compliance is not a requirement, the solution can easily set up the metadata representations of your data structure, to help define the same data in different ways.

## Why IBM?

ITX is a modular and comprehensive solution based on industry standards. You can transform any structured or unstructured data without coding at enterprise scale. You can also improve time-to-value with a modern user experience (UX) by efficiently mapping right from your web browser. Seamless user interaction with your choice of browsers provides easier and faster data mapping. Additionally, transform your data residing in the cloud. Engage data where it resides whether on-prem or in the cloud with an array of adapters, including support for AWS, MongoDB, HDFS and Kafka.

## Next steps

→ [Visit our webpage to learn more about ITX](#)

→ [For more ITX resources click here](#)

## For more information

To learn more about how IBM Sterling Transformation Extender can help your business automate complex transformation and validation of data between various formats and standards, please contact your IBM representative or IBM Business Partner, or visit: <http://ibm.biz/smarterwithITX>

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