IBM® Transformation Extender

Automate complex transformation and validation of data across your IT infrastructure

Highlights

- Reduce Complexity, Reduce Costs
- Cloud-Enabled
- Universal and Flexible
- Mapping and Reusable Functions
- Industry Standards
- Validation

For companies operating in the highly-connected global economy, data and digital connections are critically important to achieving business objectives. As data and the sources of data continue to grow in volume and complexity, transforming, validating and creating value from data, have become increasingly important and challenging tasks. Complying with rapidly changing industry and regulatory standards only compound 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 available throughput and that they can deploy quickly.

Reduce Complexity, Reduce Costs

IBM Transformation Extender 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.

IBM Transformation Extender 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, governance and compliance for specific industries including finance, healthcare, and supply chain.

Cloud-Enabled

IBM Transformation Extender now extends into the cloud to both engage data residing in the cloud – and as a runtime in various hybrid cloud contexts – protecting your current investments and enabling easy access and integration of data and technologies where required.

Universal and Flexible

IBM Transformation Extender 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 enables and automates universal data transformation whether EDI, XML, JSON or any other format. It's simple— describe your data, and then let the solution help define and transform it.

The solution provides robust, graphical representations of your data – and has capabilities and methodologies built around the structure of the data. It supports multiple data inputs in different formats, and can create multiple, separate output formats. Many-to-many transformations can be performed without requiring an intermediate transformation. The solution can take in one file or multiple files, and within each file you can create multiple different formats.

Mapping and Reusable Functions

IBM 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 previously applied methodologies.

Industry Standards IBM Transformation Extender provides out-of-the-box capabilities to integrate a range of industry-standard data formats within 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 Release Guide (SRG) and SWIFTNet FIN updates, including MT-MX message coexistence and the catalog of SWIFT messages and business rules. Validation ensures that messages conform to SWIFT 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 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:** Ready-to-execute template definitions and compliance validation for the ANSI X12N 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 the exchange, management and integration of clinical data intended to promote interoperability between healthcare information systems via the Health Level 7 (HL7) standards 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.
- **TRADACOMS:** An EDI standard used in the retail sector for general merchandise, primarily in the UK.

Validation

Through IBM Transformation Extender's intuitive user interface, you see not only the hierarchical structure of data but also any rules 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.

In today's data-driven business environment, companies must support data and data sources that are growing in volume and complexity. IBM Transformation Extender helps companies manage these challenges and transform data efficiently from one format to another and validate the resulting transformation, increasing the availability and value of that data. IBM Transformation Extender also enables companies to comply with a rapidly changing industry and regulatory standards.

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