



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
- Financial 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.

In banking and financial services, the landscape is rapidly changing. Competition is intensifying not only with increased mergers, acquisitions, and divestitures but also with new entrants. Today's banks are facing increasing intensity and proliferation of new financial services from non-traditional competitors. Retailers, telcos, technology, and other competitors are entering financial services with different value propositions and go to market models, bypassing traditional banking systems. It's estimated by one study that competition from non-banks could erode one-third of traditional bank revenues by 2020. There is a substantial risk that new competitors will consign banks to limited back-office roles.

Additionally, increased oversight and new market requirements are ushering in a new era of complexity. Each round of Basel guidelines adds significant complexity. The US's proposed path to a faster payments system by 2020 is wrought with challenges. Moreover, both banks' and corporates' liquidity management needs will be tested as real-time transacting spreads.

These factors mean that complex, manual processes, and exception management issues may result in non-compliance and high costs. Growth in data, size of files and volumes of transactions mandates highly scalable solutions, that aging legacy infrastructure can't support.

Reduce Complexity, Reduce Costs

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

IBM Transformation Extender supports 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 allows for and automates universal data transformation whether financial standards like NACHA, or SWIFT or cross-industry formats like XML or JSON or any other format. Describe your data, and then let the solution help define and transform it.

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 and easily recall and reuse past methodologies helping you to be more productive than coding by hand.

Financial Standards

IBM 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. The solution also offers validation tools to help reduce risk. 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:** ANSI X12N Health Insurance Portability and Accountability Act standards and formats.
- **HL7: Health Level 7 standards sets.**
- **NCPDP:** National Council for Prescription Drug Programs transaction set and template definitions.

Supply Chain Support

- **X12:** B2B standard for inter-industry electronic exchange of business transactions.
- **EDIFACT:** 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 that apply 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 the rapidly changing industry and regulatory standards more efficiently.



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