

# Transformer for JSON

The complete solution for JSON mappings

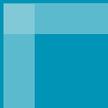
Accelerate API-based projects

Benefit from full JSON interoperability

Master the evolving JSON standard

Build solutions quickly, without coding

# The complete solution for JSON mappings



Transformer provides the most powerful tools to create and maintain mappings between JSON and other formats, including ISO 20022.

## Accelerate API-based projects

Transformer has long been recognised as a uniquely powerful tool for a wide range of messaging tasks. Transformer now offers a rich array of functionality to tackle API-based messaging projects, with their reliance on JSON formatting and schemas, and Swagger API specifications. Transformer helps teams to rapidly deliver high quality solutions and maintain them easily over the long term.

Users can easily import JSON Schemas and Swagger specifications and use them as Transformer message definitions. Similarly, Transformer message definitions can be output to JSON Schema / Swagger.

## Benefit from full JSON interoperability

Transformer allows the user to create outputs in JSON format from any starting point. For example, Transformer's ISO 20022 library allows the user to create ISO 20022 compliant messages in either XML or JSON. This capability is available for every message standard supported by Transformer, and thus allows global usage of the JSON format.

# Master the evolving JSON standard

The industry has not yet settled on a single “best practice” way of working with JSON. Project teams have to make many decisions: which features of JSON Schemas to use and which to deprecate, whether to use JSON Schemas at all, whether to offer interfaces in JSON only or offer client applications a choice of JSON or XML, and how to manage the fact that JSON schema doesn't provide for some common validation definitions, like numeric precision.

For this reason, Transformer offers a powerful toolset that can be used to support a variety of ways of managing JSON messages – importing schemas, importing example messages, authoring structures through Transformer's own design tool, automatically supporting JSON representations of other messaging standards, layering XSD-style validation constructs over JSON message definitions, and allowing a mapping designer to manipulate and interrogate JSON structures that are only loosely defined.

## Build solutions quickly, without coding

Transformer dramatically shortens the time taken to build and maintain solutions involving JSON.

The analyst using Transformer creates solutions directly in the intuitive Design-Time GUI. There is no coding or scripting stage, even when the required data transformation is highly complex. Projects remain clearly articulated and easy to maintain, and removing the old-fashioned ‘spec handover’ from analyst to developer eliminates a major source of risk, errors and delay.

Users configure mappings very easily in Transformer. For example, copying a field from the source to the target message just takes a simple ‘drag and drop’ action - Transformer automatically takes care of any reformatting required by syntax differences between source and target fields, such as dates, rates and amount formats. To handle more complex mappings, Transformer provides a huge range of ready-made ‘mapping action’ building blocks. Complex logic can be created in the same way, combining ‘IF’ conditions, repeating loops, SQL calls and more. So even highly complex JSON solutions can be created at lightning pace.

## About Transformer

Transformer revolutionises an organisation's ability to build, test and deploy complex messaging solutions. Business analysts or developers can use Transformer's superb GUI to build and maintain enrichment or mapping solutions for any message standard and to test that the results comply with the standard. These solutions can be deployed into any technical infrastructure - in individual projects, in departments, or across the enterprise. Transformer maximises quality while dramatically reducing project cost and time to market.

Transformer changes the messaging infrastructure from technology to a vital business service, providing advanced tools to solve messaging problems quickly and efficiently:

- Parsing complex messages
- Validating against public standards and in-house rules
- Enriching the content using a wide range of data sources
- Mapping between different syntax structures
- Implementing complex decision logic and business rules

Transformer supports numerous financial messaging standards including SWIFT MT-MX, ISO 15022 and 20022, X12/EDIFACT, FIX, FpML, ISO 8583/Faster Payments, and many more.

## About Trace Financial

Trace Financial Limited is the leading specialist in financial message transformation and integration. Trace Financial is a wholly owned subsidiary of the privately-owned Trace Group Limited.

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