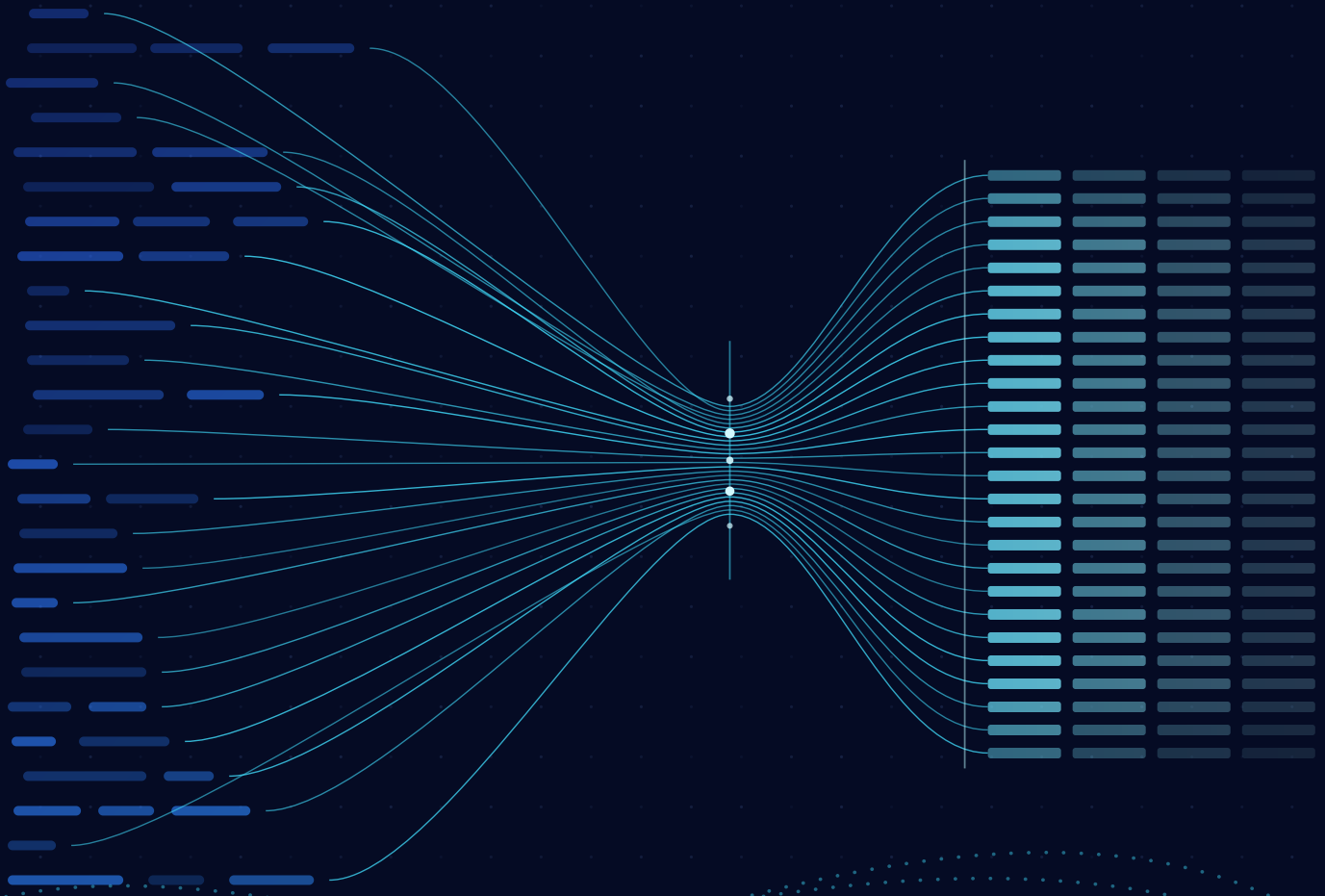


SAP DATA MIGRATION, SIMPLIFIED

MIGRATION SUITE

BY NTT DATA

NTT DATA Business Solutions



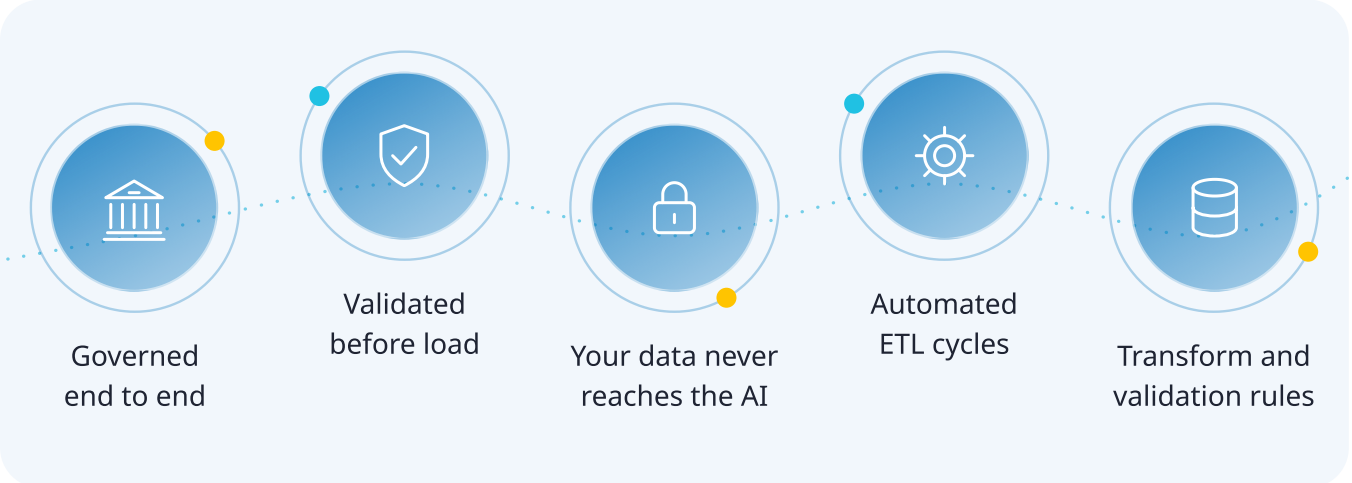
MIGRATION SUITE

Take control of SAP migration

Why Migration Suite?

NTT DATA Migration Suite replaces spreadsheets and one-off scripts with an automated, governed data pipeline for SAP S/4HANA. Consultants and business users describe what the data needs in plain language. The Suite turns that into verified, executable code and runs every ETL cycle the same way.

It is a hosted web application with nothing to install, already in use on live customer migrations. The transformation and validation rules a consultant writes are the deliverable: explicit, tracked per change and reusable. The next project inherits logic that already runs and adapts only what is genuinely customer specific.



Every SAP migration re-solves the same problem. Migration Suite solves it once.

The same work, rebuilt every cycle

The effort sits in the detail. For every object, customers, materials, open items, BOMs, someone maps source fields to SAP's structures by hand, cleans what does not fit, loads a test file and reconciles the result against the source. Then the next cycle starts and the same object is done again.

None of that work is reusable. The mapping sits in a spreadsheet, the fix in a one-off script, the reasoning in the consultant's head. Errors surface at load time, late in a cycle, so the rework lands in the cutover window. When the consultant rolls off, the next project starts close to zero.

Start where the last project ended

Migration Suite captures that work once, in a central knowledge base. We learn from every migration: the mapping that proved correct, the cleansing step the data needed, the check that caught an error before load. That knowledge builds up instead of leaving with the project.

The rules run as deterministic code, so a test cycle is a re-run instead of a rebuild and data is validated before it reaches SAP. Built on the SAP S/4HANA Migration Cockpit templates, it covers RISE and GROW programs, custom loadsheets and landscapes that merge several SAP and non-SAP sources into one target.

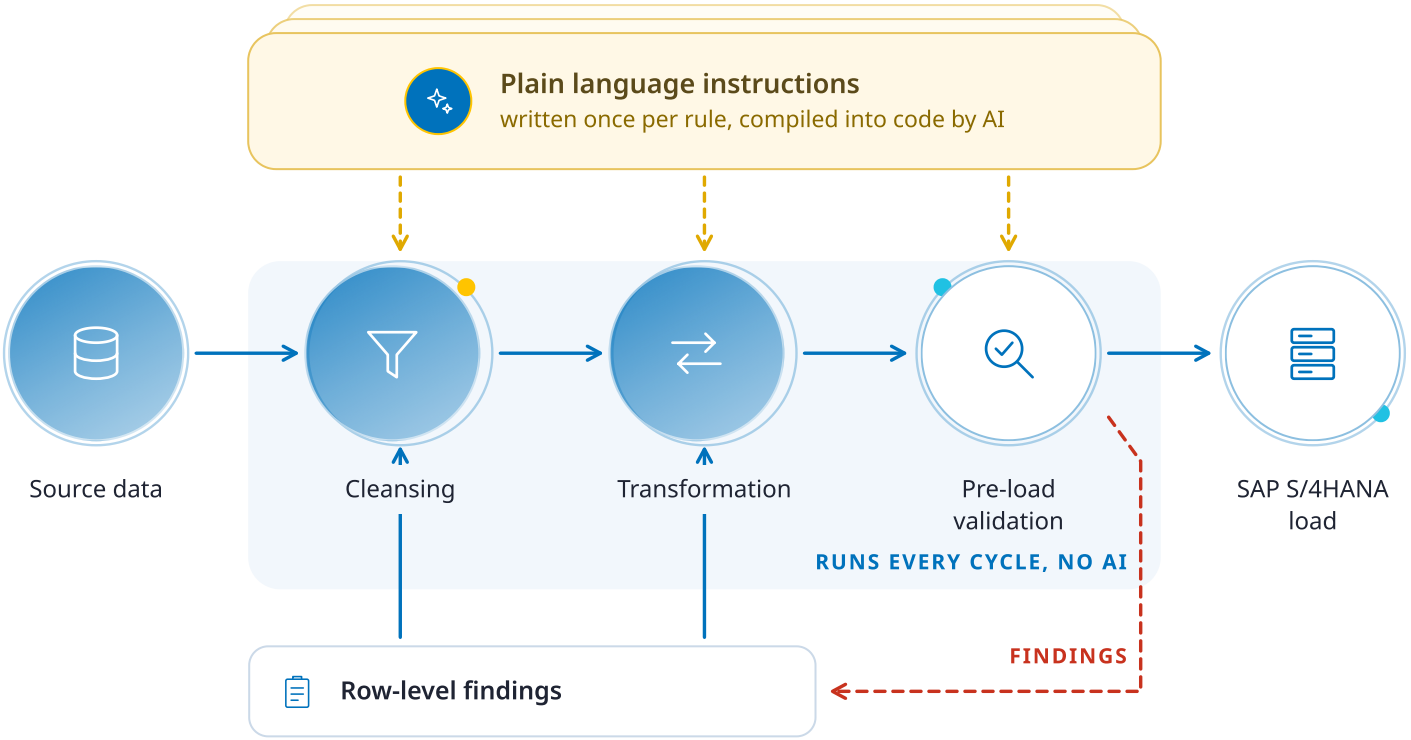
Reduced migration effort

40–60%



MANY SOURCES IN. ONE LOAD-READY TARGET OUT.

40% is a measured, conservative figure for new and custom objects. Up to 60% on standard SAP objects without custom fields, where source and target structures are nearly identical.



One pipeline per object

The diagram above is one object's run: source data in, cleansed and transformed against the rules, validated before anything reaches SAP, then loaded. What fails comes back as row-level findings that feed into the cleansing and transformation steps, and the cycle runs again.

The platform assembles those runs. It derives load order from dependencies, checks cross-object references up front and puts an owner and a sign-off gate on every object. That assembly is the hard part of a migration.

Flexibility comes from the AI

No two source landscapes are alike, so a fixed template breaks on the first custom field. AI reads metadata and intent, field names, types, structure and what the data needs, and writes the transformation for that case. A new object or an odd source file needs a rule, not a connector and not a release.

Transparent reporting

Each object follows a stage plan from source extract to post-load validation, and the Suite tracks every step. Management sees how many objects are done, pending or not started, how progress trends week by week toward the target date, and where the bottlenecks are.

Validation reports show row-level findings per sheet, pass rates per column and rule coverage of the fields in scope. Every rule change records who made it and when, and field-level lineage traces each target value back to the rule and source that produced it.

Where the saving lands

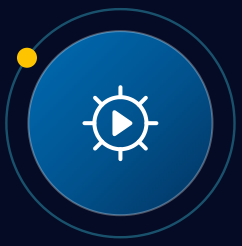
On both sides. NTT DATA delivers with less manual work, and the customer's own team spends fewer hours on the same scope. On a fixed price every saved day is margin, and on every project it is a shorter path to go-live.

Three winning principles



Simplify

Describe a rule in plain language. The Suite derives the check, the fields and the code, so the work takes migration know-how, not programming.



Automate

Rules become executable code that transforms and validates every ETL cycle in seconds, the same way every time, with no AI in the run.



Standardize

One shared library on three levels: common, object and project. Every project starts from proven rules and feeds its learnings back.

Designed for

- SAP S/4HANA transformations, including RISE and GROW
- Fixed-price and T&M engagements
- GxP-regulated industries
- Complex landscapes: several SAP and non-SAP sources, custom fields, heavy history
- Harmonizing several source systems into one S/4HANA target
- Organizations that want a faster, lower-risk migration

69 SAP object types covered

Also:

- Custom and flat loadsheets, reusable through domain libraries
- Assessment of raw source extracts
- In-app AI assistant
- MCP server for trusted AI agents

Enterprise architecture

Built on NTT DATA enterprise architecture and the data legislation that governs it. Every project inherits those principles.



All migration data in one place



Higher data quality



Simplified migration



Fewer working hours

Migration Suite features include

RULES

- Plain-language rules on three levels
- 500+ shared validation rules from day one
- Organization-wide defaults and allow lists
- One rule for similar objects, via synonyms
- Derivations, value maps, row filters, lookups
- Mapping tables seeded from source values
- Preview a rule on one sheet before the run

DATA AND VALIDATION

- Profiling and pass rates per source column
- SAP exports recognized with field labels
- Structure check when source files change
- Field scope and rule coverage reporting
- Cross-object references checked up front
- Load order derived from dependencies
- Pre-load validation with row-level findings

GOVERNANCE AND PLATFORM

- Rule change control, history and audit log
- GDPR and data residency by deployment region
- Validation practice from GxP-regulated projects
- Audit-grade field lineage, interactive graph
- DocuSign sign-off of stage gates, reports
- Project-defined roles and owners per object
- Progress and trends per object, stage, cycle
- Revocable project access with audit trail
- Hosted or customer-local on Microsoft Azure

> **In a controlled study, a 50-line deterministic Python function solved a multi-step task with 100% accuracy; frontier language models averaged about 63%. So in Migration Suite, AI writes the rules and never runs them.**

Source: WPP Research, "A 50-line Python function outperformed every frontier LLM"

> Talk to us about a pilot project

We Transform. SAP® Solutions into Value

We understand the business of our clients and know what it takes to transform it into the future. At NTT DATA Business Solutions, we drive innovation, from advisory and implementation to managed services and beyond. We continuously improve SAP solutions and technology to make them work for companies, and for their people.

www.nttdata-solutions.com

Want to know more?
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