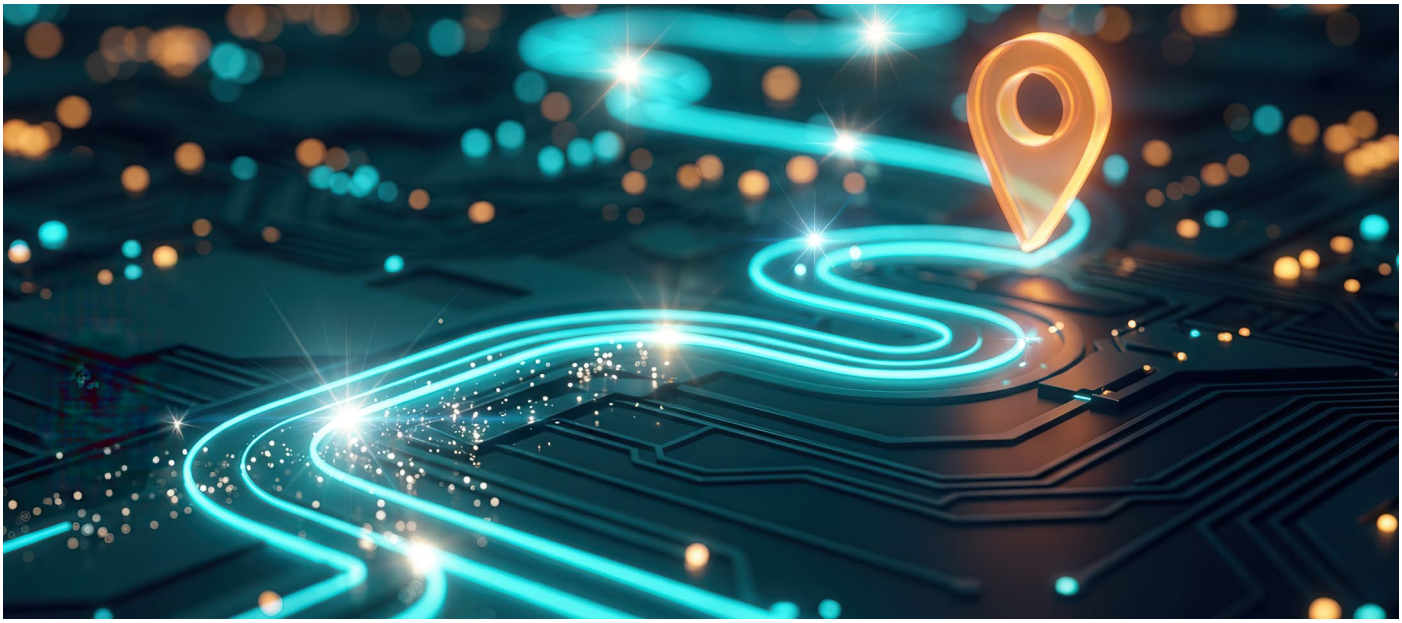
OpenText Data Migration Integrity Service

Analyze, reconcile, and validate master data and integration objects during complex, large-scale migration programs to minimize delays and disruption



Benefits

- Reduced system migration risks
- Accelerated cutover readiness
- Higher data reliability and confidence
- Broad system compatibility
- Rapid and painless analysis

Enterprises undergoing digital transformation initiatives typically face large-scale data migration projects as they move from legacy solutions to modern platforms. This requires precise, reliable, and repeatable validation of business-critical metadata to ensure uninterrupted operations and adherence to project timelines.

Many conventional migration approaches treat data validation and metadata analysis as secondary workstreams, meaning these are often manual, reactive, and inconsistently applied. OpenText™ Data Migration Integrity Service bridges this gap by providing a structured, ETL-driven framework for analyzing, reconciling, and validating master data records and integration objects during complex migration programs.

By leveraging OpenText's proprietary tooling and enterprise data expertise, the service ensures that critical data structures—for example IDocs when dealing with SAP migrations—are accurately extracted, transformed, and validated across both source and target systems. This analysis provides internal teams, Systems Integrators, and other stakeholders detailed insights and confidence to complete the migration without surprises, helping them to deliver optimal outcomes.

How OpenText Data Migration Integrity Service works

The service extracts data records from the source system using OpenText's proprietary data analysis tooling, loads the extracted metadata payloads into a data staging environment, and performs a structured comparison against the corresponding records generated in the target system. For example, a common use case for the service is a migration from SAP ECC to the SAP S/4HANA system, where the focus is on comparing and validating IDoc structures.

Multinational manufacturing company speeds up SAP S/4HANA migration with OpenText

"We had confidence that OpenText offered the solutions and the expertise to handle this large move. It was not going to be possible for us to do this on our own and I am pleased to say the Data Discovery Service and Application consulting experience has been wonderful and easily shaved off a year of migration by simply not having to manually look through data.

OpenText has gone over and beyond our expectations. We have not completed the implementation yet, but so far OpenText has helped us in ways no one else would have been able to. We struggled with our EDI transportation documents, and they even created a complete solution for us."

Application Manager EDI
Multinational Manufacturing Company

The records comparison validates field-level mappings, segment structures, data transformations, and end-to-end consistency between the source and target system records, such as the SAP ECC and S/4HANA IDoc versions. In addition, the service evaluates associated EDI data sets and compares them against the corresponding target record definitions to identify any required mapping adjustments or structural alignment changes.

The output of the analysis is a complete data reference model containing the detailed insights required when defining the new system master data structures, interface requirements, and any identified EDI mapping changes.

How to use the service

While ERP migrations are a primary use case for the service, the data extraction and comparison capabilities that it leverages are not limited to any specific type of system. The service framework is engineered to support different types of enterprise system transitions, such as transportation management system (TMS) migrations, warehouse management system (WMS) migrations, and MDM consolidation initiatives. The patented tooling used by OpenText provides a standardized mechanism for ingesting, normalizing, and reconciling data structures across heterogeneous systems, enabling consistent, repeatable validation workflows regardless of the source and target applications.

Key benefits of the service

From a business perspective, the Data Migration Integrity Service reduces project risk, accelerates cutover readiness, and enhances data reliability. It does this by eliminating manual reconciliation effort, improving accuracy in mapping validation, and providing early detection of structural or transformation discrepancies. As a result, organizations achieve smoother go-lives, higher confidence in migrated data, and a more predictable transition across systems.

Key benefits of OpenText Data Migration Integrity Service	
Reduced migration risks	The service applies a systematic, ETL-driven framework to compare data structures field by field between source and target systems. By catching structural mismatches, transformation errors, and mapping gaps early, organizations can resolve issues before go-live rather than after, significantly lowering the risk of costly post-migration failures.
Accelerated cutover readiness	Automated extraction and comparison replace time-consuming manual reconciliation efforts. This speeds up the validation cycle, giving internal teams and systems integrators the detailed insights they need to define new data structures and interface requirements faster, ultimately compressing project timelines and improving cutover confidence.
Higher data reliability and confidence	By validating end-to-end consistency across record types, the service ensures that migrated data accurately reflects the integrity of the source. The result is a full data reference model that brings organizations confidence that their data is correct, complete, and properly aligned to the target platform's requirements.

Resources

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Key benefits of OpenText Data Migration Integrity Service	
Broad system compatibility	The service is not limited to any specific systems. It uses standardized tooling that supports a wide range of enterprise transitions—including legacy ERP, TMS, WMS, and MDM consolidation initiatives—making it applicable across an organization's entire digital transformation roadmap.
Rapid and painless analysis	Thanks to the automated tooling and deep domain knowledge of OpenText Professional Services teams, the analysis requires minimal input from the client organization and is fast to complete. Average duration for completing the full analysis is 6-8 weeks.

Example scenario: Customized IDoc structures

As illustrated by one client engagement, the Data Migration Integrity Service can expose hidden inefficiencies particularly in heavily customized integration environments. In this case, a large manufacturing organization relied on a highly modified SHPMNT04 IDoc containing nine custom segments and 219 custom fields (excluding header fields). However, the analysis revealed that only 114 of those fields were ever populated with data—and just four were actually used in downstream mapping.

This imbalance between customization and real-world usage created unnecessary complexity, increased migration risk, and obscured the true data requirements for the target system. By applying structured extraction and field-level validation, the service quickly distinguished meaningful data elements from redundant technical debt. These insights enabled the client organization to streamline their target system design, eliminate unused fields, and simplify their integration landscape ahead of migration.

Conclusion

OpenText Data Migration Integrity Service represents a shift in how large-scale data migration programs are managed. Instead of treating data validation as a tick-box exercise, the service turns it into a structured analytical discipline embedded throughout the migration lifecycle. By combining ETL-driven automation, deep data records insights, a dedicated analysis and staging environment, and reusable cross-system applicability, the service addresses the most common and costly failure points in enterprise data migration in a way that conventional approaches simply are not designed to do.

Contact us to learn how OpenText can support your system migration or other digital transformation initiatives.

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