



CASE STUDY JIRA ZEPHYR SQUAD – AZURE DEVOPS MIGRATION

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Business Need

A global software product engineering services company specializing in DevOps transformation and QA modernization partnered with Kovair to execute a complex migration of test assets from Jira Zephyr Squad to Azure DevOps (ADO). With Test cases and detailed test steps, the project required not only exact replication of data but also enhancement capabilities to preserve traceability and context across systems.

Kovair QuickSync—a powerful, purpose-built data migration and synchronization platform—enabled a seamless and audit-ready transition, meeting all technical and compliance requirements with precision.

Introducing QuickSync

Kovair QuickSync is a one stop, cost-effective, wide-ranging data migration solution for any enterprise across industry. It is a Windows-based desktop solution, which can be easily installed and used. The requirement of minimal infrastructure for operation makes it a very cost-effective and efficient solution for the industry. It not only helps to migrate data from one source to one target but also helps to migrate data from one source to multiple targets. Its Instinctive UI makes it easily adaptable and adorable to the users.

Capabilities of QuickSync

A. Unlocking Seamless Data Migration with Kovair QuickSync

Comprehensive Overview:

In the ever-evolving landscape of software development and project management, the need for efficient and reliable tools to facilitate seamless data migration is needed. Kovair QuickSync, a turnkey solution, offers rich features making the tool stand out in the market.

B. Easy Installation and Quick Setup:

With a user-friendly interface and straightforward configuration process, users can swiftly get started without the need for extensive technical expertise.

C. Consistent Migration Logic:

The tool ensures a consistent migration of exposed artifact records, attachments, comments, and relationships between artifacts. The implementation of connection, entity, and field mapping establishes a hierarchy of data flow logic, ensuring the integrity of data throughout the migration process.

D. Non-Disruptive Workflow:

One of the notable advantages of Kovair QuickSync is its non-disruptive nature. Employees can continue using the tools under consideration during data migration or syncing, allowing for uninterrupted workflow. Even if there is a change in the source tool datasets, the tool facilitates sync to the target tool in a one-way or bi-directional flow.

E. Cost Benefits and Infrastructure Reduction:

Kovair QuickSync contributes to cost savings by reducing infrastructure costs.

F. Reusable Template-Based Migration:

The tool introduces a reusable template-based migration approach, allowing users to create

configurations once and reuse them for other projects. This feature streamlines repetitive work.

G. Real-Time Monitoring and Reporting:

Kovair QuickSync provides a real-time monitoring facility with on-screen updates on migration's health. Monitoring capabilities include both objective and subjective statistical views of migration status through reports and logs.

H. Built-In Recovery and Re-Migration:

To prevent data loss during transportation, Kovair QuickSync incorporates an in-built recovery mechanism and re-migration capability.

I. On-Screen Reports for Data Analysis:

The tool allows users to generate on-screen reports for quick analysis of the migrated data volume. Various metrics and reports cater to monitoring needs, providing valuable insights into the migration process.

J. Automated Data Checker:

Kovair QuickSync saves time and effort with its automated data checker, generating post- migration data comparison reports for robust data validation.

K. Parallel Migration and Multi-Hosting:

With capabilities for parallel migration and multi-hosting, Kovair QuickSync empowers users to transport large volumes of data faster, thus keeping projects on schedule.

L. Single Window Monitoring:

The tool introduces a single window monitoring feature, enabling users to observe migration progress from various virtual machines without the need for remote logins.

M. Code-less Configuration:

Kovair QuickSync simplifies the mapping process with codeless configuration, allowing users to map Jira Projects, Entities, and Fields to their ADO counterparts without the need for manual coding.

N. Simple Licensing Model:

The licensing model is based on successful transactions across all configurations and projects, accommodating any number of users.

O. Transformation Support:

Kovair QuickSync supports the transformation and overriding of data during migration, providing flexibility and customization options.

Use Case & Migration Solution

Use Case 1: Migrating Test Cases with Associated Bug References

The Challenge

In Zephyr Squad, many test cases were linked to native Jira issue - Bugs. Though these Bug entities were **not in the scope of migration**, it was critical for the client to retain information about these associations in the target ADO system to maintain historical context and traceability.

Kovair's Solution

Kovair QuickSync was enhanced to:

- **Fetch linked native Jira Bug details.**
- **Embed this information into the target Azure DevOps Test Case, within a custom field.**

As a business impact post migration preserved historical context and traceability in Azure DevOps without introducing data clutter or requiring migration of out-of-scope entities.

Use Case 2: Traceability Through Source Test Case ID in Title

The Challenge

Post-migration, users needed a way to trace Azure DevOps Test Cases back to their original Jira Zephyr records for audit, validation, and reporting. Traditional field-level mappings wouldn't surface this information prominently enough for users or auditors.

Kovair's Solution

An enhancement was implemented wherein Kovair QuickSync **automatically concatenated the original Jira Test Case ID to the title** of each migrated Test Case in Azure DevOps. With usage of expression builder, this business use case was achieved and catered each record while migration through transformation facility.

For client this enabled visual traceability and audit-readiness through source ID tagging, simplifying post-migration validation for QA teams and stakeholders.

Conclusion

Kovair QuickSync enabled a seamless, traceability-focused migration from Jira Zephyr Squad to Azure DevOps, meeting both technical and audit requirements. With minimal disruption and targeted enhancements, the solution ensured data integrity, simplified validation, and supported long-term QA visibility—demonstrating QuickSync's effectiveness in complex migrations.
