

## Business Value Propositions of QuickSync

- Highly scalable for accommodating large volumes of data.
- Turnkey solution for satisfying customer needs.
- Minimum maintenance and savings on infrastructure cost.
- Synchronization of data post migration to facilitate roll out in every phase.
- Reduced manual effort for data content validation by providing side-by-side comparison on screen.
- Intuitive interface for reducing total training and adaptation time.
- Visualization of data migration in hours, days or months.
- Six (6) months of extended support after migration is complete.

# Tool Integration with Kovair QuickSync — Feature Highlights

## Data Migration and Its Challenges

Organizations adopt new tools to increase productivity and derive major business benefits. However, the concern of successful data migration often refrains them from doing so. Though organizations spent huge amount of money to seamlessly migrate data from existing system to a new one, success rate is still found to be low. Ineffective planning, poor selection of migration tool, and improper execution often results in major productivity loss, data loss as well as overruns in both cost and time of the project.

The common challenges faced during migration are:

- Complex process of handling ASCII and UTF file formats.
- Disparity and Complexity of Data Formats in different tools.
- Poor data quality in the source tool.
- Absence of data governance policies.
- Failure to validate and test data migration process.

## QuickSync Caters to Your Migration Needs

Kovair QuickSync offers a comprehensive solution for successful migration of data from a source to a target tool. It is designed with features that are truly required for any large or very large-scale enterprise-level migration, ensuring zero data loss and data disparity.

## Multi-Faceted Integrations

QuickSync, primarily a migration tool, also has capabilities for supporting real-time bidirectional data synchronization between a pair of tools. Post migration, during transition overlapping period, the synch service is required as users continue to work in the existing tool until data validation activities are completed on the new one.

## Migrate Data from Source to Multiple Target Tools

Based on the type of artifact, QuickSync can migrate data from one source to multiple target tools. To understand how QuickSync works, let us consider a scenario where the source is an ALM tool like HP ALM / Rally and the target is a suite of multiple tools like Jazz consisting of RDNG, RQM, and RTC. In such a scenario, the need of migrating data from a single ALM tool to a suite of multiple tools (Requirements to RDNG, Tests to RQM, and Defects to RTC) can be properly addressed by QuickSync.

## Existing Connections

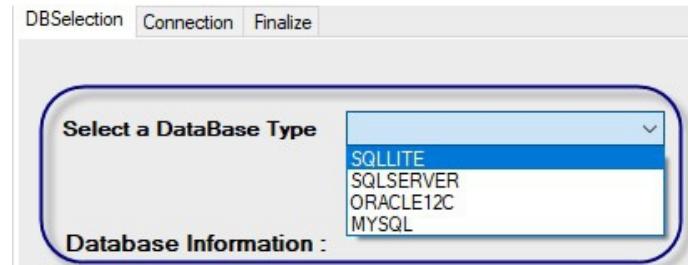
Existing Connections					
* Double click on item to Edit					
New Connection					
Connection Name	Tool Name	Last Modified On Host	Last Modified On	Last Modified By	
▶ HPALM12.53	HP ALM-12.53	KOV-SOL01	9/11/2018 6:53:33 PM	admin	Disable
RQM-6.0.5	IBM RQM-6.0.5	KOV-SOL01	9/11/2018 7:14:16 PM	admin	Disable
RRC-6.0.5	IBM RRC-6.0.5	KOV-SOL01	9/11/2018 7:15:17 PM	admin	Disable
RTC-6.0.5	IBM RTC-6.0.5	KOV-SOL01	9/11/2018 7:17:26 PM	admin	Disable

## Intuitive UI

QuickSync provides an intuitive UI with simplistic drag-n-drop configurability. Users can quickly configure the metadata mapping and define migration rules as well as operate and monitor the actual data migration process. Very little training time is required for the users to work on QuickSync.

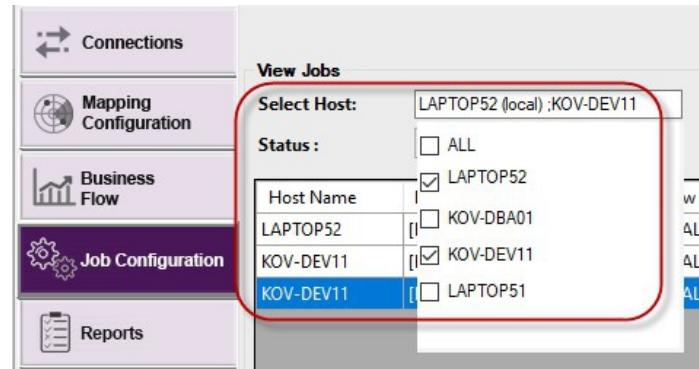
## Support for Multiple Databases

QuickSync provides an option to select a database based on the volume of data to be migrated. Users can select from SQL Lite, MySQL for smaller volume of data migration or MS SQL Server and Oracle for larger volume of data migration.



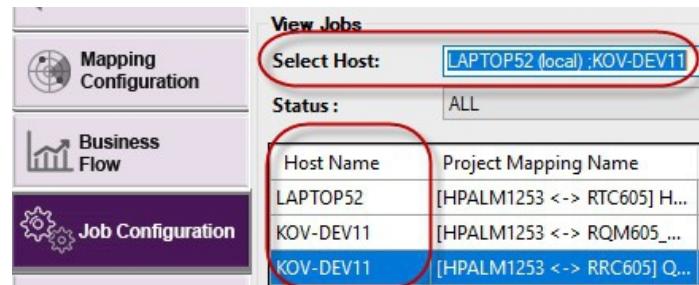
## Conduct Migration from One or Multiple Hosts

In large organizations, migration of large number of projects with high data volume is a common scenario. Along with data accuracy, it is important to complete the entire migration on time. In such a scenario, it is often required that the migration runs from multiple hosts scaling the entire process horizontally.



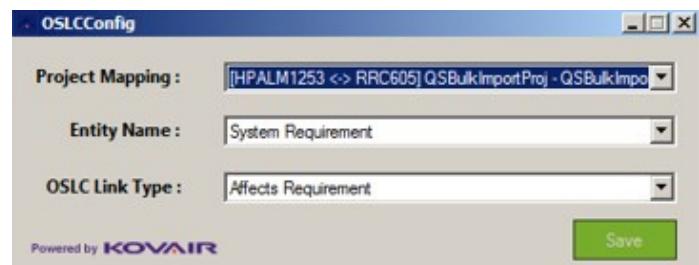
## Single Window Monitoring

QuickSync provides single window interface for monitoring migration work running from multiple hosts. Users can view the entire progress of work from a single interface in a cost-effective manner by eliminating the need for dedicated resources for tracking and managing migration activities occurring at every individual host.



## Migration of Data and Links

Along with migration of records, QuickSync also migrates traceability links existing between the migrated artifacts. These traceability links can be direct tool level links, Http links or OSLC links. QuickSync offers the same support during synchronization.



## Migration Support for Rich Data

QuickSync offers extensive support for migrating and synchronizing rich text data (if supported by target tool) in terms of system and custom attributes for each of the exposed entities, comments, and attachments of individual records as well as the traceability relationship between them.

## No-Host Dependent Configuration

In a multi-host migration environment, QuickSync offers a common single interface through which any project pair can be configured from any host. This eliminates the restriction of configuring and executing a project pair from a specific host. It offers a flexibility that if a host is occupied for some reason, then another host can be used to configure the second project pair assigned to that same host. Hence, no time is lost in waiting for the first one to complete and then initiate the work for the second one.

## Support for Overriding

QuickSync enables migration rules to be defined with or without conditions for creating the record that needs to be migrated. During the actual migration, users can also override the pre-defined migration rules by setting different migration criteria.

The screenshot shows a configuration window titled "Business Flow Condition". It has tabs for "Condition Details" and "Condition Mapping". Under "Condition Details", there is a table with columns "Field Name", "Condition", "Value", "Operator", and "Operation". The first row has "Action User(User)" as the field name, "In" as the condition, "kovadmin" as the value, "AND" as the operator, and "Delete" as the operation. The second row has "Designer(User)" as the field name, "In" as the condition, "kovadmin" as the value, "AND" as the operator, and "Delete" as the operation. A dropdown menu for "Operator" is open, showing options like AND, OR, NOT, etc. At the bottom, there is a note: "\* Note: Save the Business Flow in order to save the condition(s) permanently" and buttons for "Save" and "Close".

## Side-by-Side Comparison for Easy Data Validation

Post migration, validating and verifying the migrated data is an important activity in the migration process. The more simpler and structured the interface, the faster is the process of validating the migrated data.

QuickSync provides a single consolidated interface through which the source data and the corresponding migrated record in the target is displayed side-by-side in a tabular format. This facilitates quick comparison of the source records with the migrated ones. In addition, if required, users can further drill down to do a comparison for each of the record pairs at field level.

Result ID	Data Check Tool Name	First Tool Project Name	First Tool Entity Id	Second Tool Name	Second Tool Project Name	Second Tool Entity Name	Second Tool Entity Id	Status	Comparison Status
4	HP ALM-12.53	KovairDemoProject	Test	40	IBM RQM-6.0.5	KovairQuickSync (Quality Management)	Test Case	232	COMPLETED VALIDATED Details
5	HP ALM-12.53	KovairDemoProject	Test	46	IBM RQM-6.0.5	KovairQuickSync (Quality Management)	Test Case	233	COMPLETED VALIDATED Details
6	HP ALM-12.53	KovairDemoProject	Test	47	IBM RQM-6.0.5	KovairQuickSync (Quality Management)	Test Case	234	COMPLETED VALIDATED Details
7	HP ALM-12.53	KovairDemoProject	Test	48	IBM RQM-6.0.5	KovairQuickSync (Quality Management)	Test Case	235	COMPLETED VALIDATED Details

Once the data related problem in the source record is fixed, QuickSync not only allows users to validate the record side-by-side but also allows users to migrate the same record-by-record. Using the Sanity Check screen, users can select the erroneous records and perform a resync. QuickSync pushes this specific record to the target, thereby saving time and effort from re-running the entire migration set all over again and focusing only on the failed items.

The screenshot shows a status window for a migration task. It displays "Last Action Status : SUCCESS" and "Last Action Name : Add Test Case (HP ALM-12.53 to IBM RQM-6.0.5)". It also shows "Fields Last Refreshed : Friday, September 28, 2018 3:01:28 PM". There are sections for "Field Details", "Attachment Details", and "Relation Details". Under "Relation Details", there is a "Manual Sync" section with two radio buttons: "HPALM12.53 to RQM-6.0.5" (selected) and "RQM-6.0.5 to HPALM12.53". At the bottom are buttons for "Refresh", "Sync", and "Close".

## Automated Data Validation Using Data Checker

QuickSync provides the capability to configure a job that would run asynchronously to auto validate the migrated or synced data between the source and the target tools. The validation is performed based on the field mapping definition configured in QuickSync tool and comparing those with the field values from the source and the target tools. It also compares the count of attachments per record between the source and the target. QuickSync produces an HTML report that would help the users to analyze any data discrepancies. The same report can be generated in the form of a spreadsheet.

The screenshot shows a configuration window titled "Job Configuration". It has tabs for "Select Configuration" and "New Job". Under "Select Configuration", it shows "Host Name : KOV-DEV08 (local)" and "Project Mapping Name : [QAComplete <-> Jira] Vin\_Proj1 -". Under "New Job", there are three radio buttons: "Migration", "Sync", and "Data Checker" (selected). At the bottom is a "Configure Data" button.

The screenshot shows a configurator window titled "Data Checker Configurator". It has tabs for "First Tool" and "Second Tool". Under "First Tool", it shows "First Tool Project Name: KovairDemoProject". Under "Second Tool", it shows "Second Tool Project Name: KovairQuickSync (Quality Management)". Under "Selected Project Mapping", it shows "[HPALM12.53 <-> RQM-6.0.5] KovairDemoProject - KovairQuickSync (Quality Management)". A note says "Only available entity mapping(s) under selected project mapping will be displayed". Below is a table for mapping entity names between the two tools. The table has columns: "Mapping Name", "First Tool Entity", "Second Tool Entity", "Consider Attachment?", "Ignore Multi Line Field Checking?", and "Ignore Date Time Field Checking?". Two rows are shown, both with checkboxes checked: "[HPALM12.53 KovairDemoProject.Test <-> RQM-6.0.5 KovairQuickSync (Quality Management).Test Case]" and "[HPALM12.53 KovairDemoProject.Test Run <-> RQM-6.0.5 KovairQuickSync (Quality Management).Test Result]". At the bottom are "Save" and "Close" buttons.

## Re-Execute Error Item(s)

Apart from selective resynching of specific failed items, QuickSync provides an additional interface for bulk re-execution of all failed items. A dedicated page is provided enlisting all those records that have failed to migrate due to certain reasons. Once those data related errors are rectified, QuickSync allows you to re-execute all the error items. This re-execution will trigger the initiation of the migration process of all the error items one-by-one and successfully insert or update those into the target tool.

## Metrics for Monitoring

QuickSync provides various graphical reports for on-screen health monitoring. This helps to monitor the data migration or synchronization on an hourly, daily or monthly basis.

# Kovair QuickSync Track Records

Following are some of the major accomplishments from QuickSync:

- On-time execution of large-scale migrated projects.
- Completion of over 90% of the migration projects ahead of predetermined schedule.
- 100% successful migration of projects.
- Zero-fail projects.

If your organization is still worried about moving data from a legacy system to a newly adopted tool, it is time to make a move now! Kovair QuickSync is a very cost-effective solution that gives you an error-free and reliable data-migration experience.

Tool Combinations	Sync Support	Migration Support	Migration Direction
HP ALM 11.0 - TFS 2010, 2012	Yes	Yes	HP ALM => TFS 2010, HP ALM <=> TFS 2012
HP ALM 11.0 - TFS 2013, 2015	Yes	Yes	HP ALM <=> TFS 2013, 2015
HP ALM 11.0 - IBM RDNG 5.0.0, 6.0.0	Yes	Yes	HP ALM <=> RDNG
HP ALM 11.0 - JIRA 6.x	Yes	Yes	HP ALM <=> JIRA
HP ALM 11.52 - TFS 2013, 2015	Yes	Yes	HP ALM => TFS, HP ALM <=> TFS
HP ALM 12.0 - TFS 2013, 2015	Yes	Yes	HP ALM => TFS 2013, HP ALM <=> TFS 2015
HP ALM 12.2 - TFS 2015	Yes	Yes	HP ALM <=> TFS
HP ALM 12.5 - TFS 2015	Yes	Yes	HP ALM <=> TFS
HP ALM 12.5 - Test Link 1.9.1	No	Yes	HP ALM <=> TFS
HP ALM 12.53 – IBM RQM 6.0.5	Yes	Yes	HP ALM <=> IBM RQM
DOORS 9.3 - TFS 2013	Yes	Yes	DOORS <=> TFS
TFS 2010 - ClearQuest 7.1.2	Yes	Yes	TFS <=> IBM ClearQuest
TFS 2012 – JIRA 6.3.1.0.0	Yes	Yes	TFS <=> JIRA
TFS 2013 - ServiceNow Cloud	Yes	Yes	TFS <=> ServiceNow Cloud
HP ALM 12.5 - Test Link 1.9.1	Yes	Yes	HP ALM <=> TestLink
ServiceNow Cloud - VersionOne Cloud	Yes	Yes	ServiceNow Cloud <=> VersionOne Cloud
HP ALM 12.53 to Jazz 6.0.5	Yes	Yes	HP ALM 12.53 <=> Jazz 6.0.5

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