

# Kovair JIRA Test Management Integration Datasheet

## A SNEAK PEAK

Kovair JIRA Test Management Adapter integrates JIRA Test Management tool with other best-of-the-breed ALM tools to tightly integrate product management, bug tracking, and Test tracking; thereby introducing streamlined efficiency and productivity.

## FEATURES & BENEFITS

- ❖ Centralized data view for multiple tool projects.
- ❖ End-to-End Traceability View of the exposed entities and related data from JIRA Test Management Tool.

## System Requirements

- ❖ **Operating Systems:** Windows 2008 Server, Windows 2008 Server R2 Server.
- ❖ **Databases:** SQL Server 2008, SQL Server 2008 R2, (Developer, Standard, and Enterprise).
- ❖ **IIS:** IIS 7.0 or 7.5.
- ❖ **.Net Framework:** 4.6 or Higher.

## OVERVIEW

Jira is an issue tracking product developed by Atlassian for bug tracking, issue tracking, and project management. Installing Test Management plug-in 'Test Management for Jira' enables Jira to Manage Test and Quality.

### Kovair JIRA Test Management Adapter

Kovair adapter for JIRA Test Management helps to achieve an integration scenario between JIRA Test Management and other ALM tools, thereby enabling teams to manage their issues throughout the entire lifecycle.

Its primary objective is to enable teams manage and Test details. The Kovair adapter can help to fetch data from **JIRA Cloud**-related entities like Bugs, Epics, New Feature, Story, Improvements, Sub Task, Task, Custom Entities, Sprint, and Issue; as well as **JIRA Test Management** entities like Test Case, Test Step, Test Plan, Cycle, Test Run.

JIRA Test Management adapter offers support bi-directional synchronization of Custom Fields, System Fields, Attachment, and Comment for entity features namely for Custom Entities, Issues, and Sprint.

### Why Integrate JIRA Test Management with Kovair

- **Uniform Configuration for Multi-Tool Integration:** With the help of a uniform Point and Click Configuration guided by Kovair Interactive UI, Kovair JIRA Test Management adapter can integrate JIRA Test Management tool to other ALM tools and create an integrated setup.
- **Centralized Data View for Multiple Tool Projects:** Users can synchronize data from multiple tool projects and view it from other ALM Tool interfaces.
- **End-to-End Traceability and Streamlined Reports:** The adapter can expose entities and the data related to it from JIRA Test Management tool to Kovair Omnibus. This makes the data visible from other ALM tools that are integrated to the Kovair platform. The same data can be leveraged to create end-to-end traceability, custom reports, and analytics using Kovair reporting engine.
- **Direct Deployment Actions:** The adapter enables users to take direct actions like **Add/Modify/Delete** directly through Omnibus.

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## Adapter Service Support Details

Entities Exposed	Events Collected	Actions Supported	Relations Supported
<b>For JIRA Cloud</b>			
<ul style="list-style-type: none"> <li>❖ Bug</li> <li>❖ Epics</li> <li>❖ New Feature</li> <li>❖ Story</li> <li>❖ Improvement</li> <li>❖ Sub Task</li> <li>❖ Task</li> <li>❖ Custom Entities</li> <li>❖ Sprint</li> </ul> <p><i>*Note: If ExposeIssueEntityOnly flag is set in web.config then only Issue Entity Exposed.</i></p>	<ul style="list-style-type: none"> <li>❖ Basic Object events like Add and Modify supported for all entities.</li> <li>❖ Basic Object events like Delete is supported for all entities except Sprint.</li> </ul> <p><i>*Note: Delete events can only be fetched from JIRA Cloud only through Webhook. With Event Service the Delete event will not be exposed.</i></p> <ul style="list-style-type: none"> <li>❖ Basic Attachment events like Add is supported for all entities.</li> <li>❖ Basic Attachment events like Delete is supported for</li> </ul>	<ul style="list-style-type: none"> <li>❖ Basic Object Actions like Add and Delete are supported for all entities except Sprint.</li> <li>❖ Basic Object Actions like Modify is supported for all entities.</li> <li>❖ Basic Attachment Actions like Add is supported for all entities.</li> <li>❖ Basic Attachment Actions like Delete is supported for all entities except Sprint.</li> <li>❖ Basic Comment Actions like Add, Modify, and Delete are supported for all entities except Sprint.</li> <li>❖ Basic Relational Actions like Add</li> </ul>	<ul style="list-style-type: none"> <li>❖ Bug to Bug</li> <li>❖ Bug to Epic</li> <li>❖ Bug to Story</li> <li>❖ Epic to Bug</li> <li>❖ Epic to Epic</li> <li>❖ Epic to Story</li> <li>❖ Story to Bug</li> <li>❖ Story to Epic</li> <li>❖ Story to Story</li> <li>❖ Issue to Issue</li> </ul>

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	<p>all entities except Sprint.</p> <ul style="list-style-type: none"> <li>❖ Basic Comment events like Add, Modify, and Delete are supported for all entities except Sprint.</li> <li>❖ Basic Relational events like Add and Delete are supported for all entities.</li> </ul>	<p>and Delete are supported for all entities.</p>	
<b>For JIRA Test Management</b>			
Entities Exposed	Events Collected	Actions Supported	Relations Supported
<ul style="list-style-type: none"> <li>❖ Test Case</li> <li>❖ Test Step</li> <li>❖ Test Plan</li> <li>❖ Cycle</li> <li>❖ Test Run</li> </ul>	<ul style="list-style-type: none"> <li>❖ Supports basic object events like Add and Modify.</li> <li>❖ Supports basic Attachment events like Add and Delete.</li> <li>❖ Supports basic Comment events like Add.</li> </ul>	<ul style="list-style-type: none"> <li>❖ Supports basic object actions like Add and Modify.</li> <li>❖ Supports basic Attachment actions like Add and Delete.</li> <li>❖ Supports basic comment actions like Add.</li> </ul>	<ul style="list-style-type: none"> <li>❖ Test Case to All Issue Type of JIRA</li> <li>❖ Test Plan to All Issue Type of JIRA</li> <li>❖ Cycle to All Issue Type of JIRA</li> <li>❖ Test Run to All Issue Type of JIRA</li> <li>❖ Run Step to All Issue Type of JIRA (Only Event)</li> </ul>

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## JIRA Test Management Relation

Entity	Relation	Relation Field	Events Supported	Actions Supported
<b>Test Case</b>	Test Case to Epic	Related Epic	Add and Delete	Add and Delete
	Test Case to Story	Related Story	Add and Delete	Add and Delete
	Test Case to Bug	Related Bug	Add and Delete	Add and Delete
<b>Test Plan</b>	Test Plan to Epic	Related Epic	Add and Delete	Add and Delete
	Test Plan to Story	Related Story	Add and Delete	Add and Delete
	Test Plan to Bug	Related Bug	Add and Delete	Add and Delete
<b>Cycle</b>	Cycle to Epic	Related Epic	Add and Delete	Add and Delete
	Cycle to Story	Related Story	Add and Delete	Add and Delete
	Cycle to Bug	Related Bug	Add and Delete	Add and Delete
<b>Test Run</b>	Test Run to Epic	Related Epic	Add and Delete	Add and Delete
	Test Run to Story	Related Story	Add and Delete	Add and Delete
	Test Run to Bug	Related Bug	Add and Delete	Add and Delete
<b>Run Step</b>	Run Step to Epic	Related Epic	Add and Delete	N.A.
	Run Step to Story	Related Story	Add and Delete	N.A.
	Run Step to Bug	Related Bug	Add and Delete	N.A.

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## USE CASE EXAMPLES OF KOVAIR INTEGRATION WITH JIRA TEST MANAGEMENT

To understand how Kovair integration with JIRA Test Management works, let us consider an integration scenario with tools JIRA Test Management, Kovair Omnibus, and Kovair Application.

1. In JIRA, Test Cycle is a collection of Test Cases. Let us suppose that a user proceeds to execute a Test Case from JIRA Test Management tool.
2. Upon execution of each Test Case in a Test Cycle, a Test Run record will be generated. For every Test Run, a Run Step event will be generated depending on the number of steps present in a Test Case.
3. A complete traceability of these records and results can be viewed directly from Kovair Application.
4. Kovair Omnibus works behind the scene and runs on an Engine Service. Based on the adapters registered, the mapping, and the service flow set, all details of the source tool and the target tool, along with the mapping details are stored inside Kovair Database. Whenever a record is triggered from the source tool, the service engine searches for the target tool details inside the Kovair Database and the fields against which the action is to be triggered in the target tool.
5. Now assuming that a Test Case upon execution in the JIRA Test Management tool fails. In that case, using JIRA Issue type, a bug can be created and linked with the Test Case, which can be viewed from JIRA Test Management under the Traceability Tab.
6. Users of Kovair application can get a complete traceability view of the events triggered by the target tool and the actions pushed to the target tool.

Note: The adapter as developed and offered by Kovair follows the subject tool's standard specifications. Any deviations from the tool's typical use pattern may not have been anticipated in our off-the-shelf product. For any customization or special configuration needs, please contact Kovair Sales - [sales@kovair.com](mailto:sales@kovair.com)  
Kovair Software Inc.: Kovair is a California based software product company specializing in the domain of Application Lifecycle Management (ALM). Kovair's focus on integrating third party best-of-breed ALM tools enables creation of applications in a synchronized tools environment.

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