

Bugzilla Integration Adapter Datasheet



A SNEAK PEEK

Kovair Bugzilla Integration Adapter integrates Bugzilla with other best-of-breed ALM tools and provides a centralized view of the Unified Software Development Process.



BENEFITS & FEATURES

- ❖ Provides the bidirectional synchronization of bugs between Bugzilla and other integrated ALM tools.
- ❖ Allows traceability relationships by linking Bugzilla bugs to other ALM artifacts like Requirements, Change Requests, Test Cases and Tasks.
- ❖ Performs automated actions on bugs that are getting submitted from other integrated tools in the ALM ecosystem.
- ❖ Ensures smooth tracking and resolution processes of bugs, spanning across multiple tools.
- ❖ Provides collaboration so that all the stakeholders are in sync with the latest changes, thereby ensuring smooth propagation of changes and impact analysis.
- ❖ Allows the team members to work on Bugs from their preferred tool environment and thereby increases their productivity.
- ❖ Conflict detection and mediation.
- ❖ Scalable and robust enterprise level architecture.

OVERVIEW

It is a well-known fact that the productivity of the teams increases rapidly when they use their preferred choice of tools to do their work. Kovair acknowledges this fact and helps organizations to increase their overall productivity by helping them to be integrated with best of the breed tools available in the market today. One such tool is Bugzilla, in the bug tracking domain.

Bugzilla is one of the popular online bug tracking tools in today's IT market, developed by Mozilla foundation. Developers find it is easy to track, manage and resolve bugs using this tool.

KOVAIR BUGZILLA INTEGRATION ADAPTER

'Kovair Bugzilla Integration Adapter' provides smooth connection between Bugzilla and other external third party tools through Kovair Omnibus integration platform.

The Bugzilla adapter uses the vendor neutral Omnibus integration platform to allow the synchronization of Bugzilla bugs with the various best of the breed ALM tools. This integration ensures transparency throughout the entire SDLC lifecycle process, automating the micro processes at the Requirement, Test or Bug level to the macro process that spans across the entire organization.

Omnibus also enhances collaboration of various stakeholders' using different tools. Products, Product Versions, Components and Bugs from Bugzilla are exposed as traceable entities from the Kovair Omnibus Bugzilla Adapter. Bidirectional flow of data related to all these artifacts can be done through Omnibus to other connected tools.

The integration between Bugzilla and other ALM tools is based on an Enterprise Service Bus (ESB) architecture that requires one adapter per tool, ensuring easy maintenance and scalability. Kovair's ability to create and execute custom Workflows for any ALM entity enables the Bugzilla users to participate in the high level cross-tool processes of the Organization.

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BENEFITS & FEATURES (contd.)

- ❖ Support the Attachments and Comments between Bugzilla artifacts and artifacts belonging to other integrated lifecycle tools.
- ❖ Support for users to configure integration rules and establish relations between objects of disparate ALM tools.
- ❖ Support for complete traceability, consolidated reporting and dashboards - all available through a web interface.
- ❖ Customizations can be done easily using web-based codeless, mouse-click configuration screens.



SYSTEM REQUIREMENTS

- ❖ **Operating Systems:**
Windows 2008 Server
Windows 2008 Server R2 Server
- ❖ **Databases:**
SQL Server 2008 or Higher Version,
- ❖ **IIS: IIS 7.0 or Higher**
- ❖ **.Net Framework: 4.0 or Higher**

Kovair’s Omnibus plug-ins available for various popular IDEs like Eclipse, Visual Studio, Rational Software Architect and Rational Application Developer allow users of these tools to easily browse Bugzilla items within their own IDEs. They can easily collaborate by creating/ modifying these Bugzilla artifacts from their own IDEs.

Kovair’s cross-tool reporting and dashboards capability allow users to keep track of Defect metrics being generated in Bugzilla.

WHY INTEGRATE SALESFORCE WITH KOVAIR

- **Complete Traceability** - Kovair Bugzilla adapter in association with Omnibus helps to establish traceability relationships between Bugzilla bugs and relevant artifacts from other tools.
- **Increased Productivity** - Kovair Omnibus allows integration of best of the breed tools irrespective of their vendors and platforms. Hence organizations can enjoy the benefits of tools integration and yet allow its resources to work on their preferred choice of tools.

This improves productivity as employees can focus on other important aspects of their roles and do not have to spend time in learning new tools. It also avoids repetitive data entries in multiple tools while deriving cross tool reporting and metrics.

- **Smooth Collaboration** - Bug tracking and resolution involve a number of activities to be done by cross functional teams. Team members involved in such processes should have full access to the bugs so that they can collaborate among themselves to get the bugs resolved in due time. However, it is often found that different teams use different tools during practice. So, collaboration among such teams can only be ensured by integrating those tools.

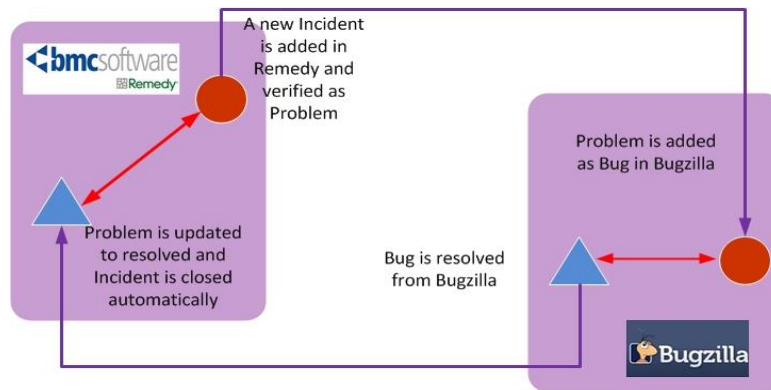
Kovair Bugzilla Integration Adapter provides integration between Bugzilla and the other ALM tools to synchronize the bug information and thereby ensures smooth collaboration among stakeholders.

- **Automated Defect Creation** - Kovair Omnibus adapter for Bugzilla allows automating the Bug tracking process starting from submission to resolution by configuring customized integration rules through a web interface. No hard coded logic is involved. For example, a rule can be defined such that a bug is automatically added in Bugzilla when a test fails in HP Quality Center.

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Entities Exposed	Events Collected	Actions Supported	Relations Supported
<ul style="list-style-type: none"> ❖ Product ❖ Product Version ❖ Component ❖ Bug 	<ul style="list-style-type: none"> ❖ Product Added ❖ Product Modified ❖ Product Deleted ❖ Product Version Added ❖ Product Version Modified ❖ Product Version Deleted ❖ Component Added ❖ Component Modified ❖ Component Deleted ❖ Bug Added ❖ Bug Modified ❖ Bug Deleted 	<ul style="list-style-type: none"> ❖ Add Product ❖ Modify Product ❖ Delete Product ❖ Add Product Version ❖ Modify Product Version ❖ Delete Product Version ❖ Add Component ❖ Modify Component ❖ Delete Component ❖ Add Bug ❖ Modify Bug ❖ Delete Bug 	<p>All mutual relationships are supported among all the exposed entities.</p>

On Demand Scenario – Bugzilla Integration with BMC Remedy



As shown in the above scenario, BMC Remedy and Bugzilla are integrated using Kovair Omnibus integration platform so that an Incident verified as a Problem in Remedy gets added as a bug in Bugzilla. Now, as the defect is resolved from Bugzilla, that updates the status of the Problem in Remedy which in turn will automatically update the source Incident status to Closed.

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
 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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