

GitHub Enterprise Integration Adapter Datasheet

A SNEAK PEEK

'Kovair GitHub Adapter' integrates GitHub Enterprise with other best-of-breed ALM tools and helps stakeholders remain up-to-date with latest file versions.

BENEFITS & FEATURES

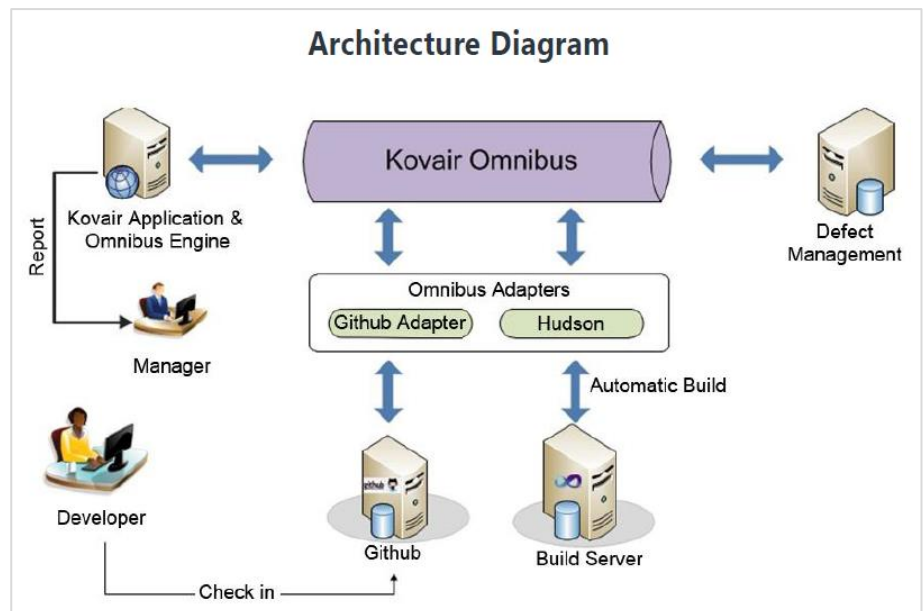
- ❖ Enables data synchronization between GitHub and Kovair ALM tools that are connected to the Omnibus integration platform.
- ❖ View GitHub Commit Graph directly in the ALM platform.
- ❖ Allows you to track code units corresponding to other artifacts, such as issues and change requests recorded in other integrated tools.
- ❖ Provides forward and backward traceability of Repository, Branches, Commits, Files, File Versions and Issues with all related artifacts of other ALM tools.
- ❖ The integration is focused on empowering the developer tools ecosystem. The adapter also provides a simple framework in which one can engage with developer tools companies who are building software on top of GitHub.
- ❖ Integration with both Cloud based and On-Premise tools.

OVERVIEW

GitHub is an enterprise cloud based hosting service for Version control system, on which one can publish Git repositories and collaborate with people from distributed geographical locations. GitHub enterprise is the on premise version of Github.com. Kovair integration supports both GitHub and GitHub enterprise. The integration extract information from GitHub into connected software applications through its adapter called 'Kovair GitHub Adapter'. It allows the users to collaborate and comment during the code review sessions; track changes that have been made; log issues and plan future projects.

KOVAIR GITHUB INTEGRATION ADAPTER

Kovair Omnibus Integration Platform supports both synchronization and federation of data. The users can use this functionality to expose the federated link for each of the file versions and file version histories that are being created by the developers and uploaded into GitHub repository. The users can view the details of the file and the actual code through the exposed federated link from within their own tools environment, that are connected to the same Omnibus Platform through their corresponding integration adapters.



Currently, Kovair Omnibus supports GitHub SaaS Version. For future releases, please visit Kovair website or talk to a Kovair representative.

GitHub Enterprise Integration Adapter Datasheet

(contd.)

- ❖ Zero-error synchronization through built-in reliability mechanisms.
- ❖ Easy maintenance of structured event-action based integration rules.
- ❖ Support for transformation of data through formula expression builders.
- ❖ End-to-end traceability across the artifacts and impact analysis.
- ❖ Easy configuration through web based codeless configuration screens.

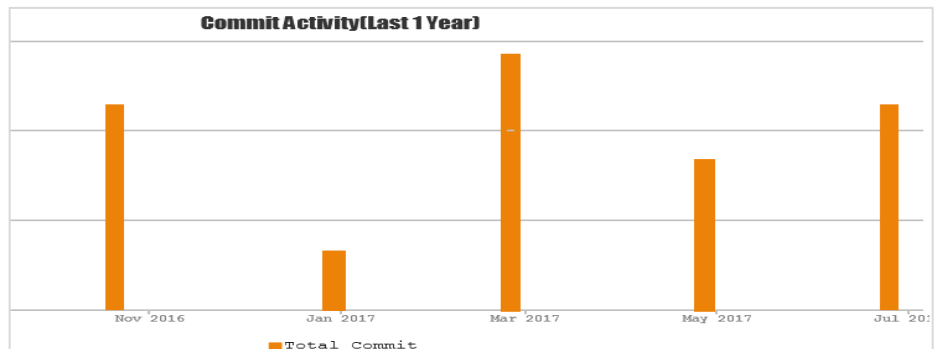


SYSTEM REQUIREMENTS

- ❖ **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: 4.5 or Higher**
- ❖ **Other Software: Visual Studio 2012 or Higher**

WHY INTEGRATE GITHUB WITH KOVAIR

- **Version Control** - Kovair GitHub Adapter enables propagation of GitHub events to the other connected tools. Visibility is gained into specific files and file versions with respect to Requirement, Change Request or Issue. Hence, ALM users can view GitHub changes right from their preferred tool environment.
- **End-to-End Traceability** - The integration of GitHub with other connected ALM tools ensures that any changes made to any of the files can be traced to identify the originating cause, whether it is a fix for a defect or an enhancement request.
- **Issue Management** – Integration also provides access to the change information and associates the changes to the corresponding Issues being raised either in GitHub or in another connected Defect tracking tool.
- **Commit Graph:** Compressive summary of yearly commits.



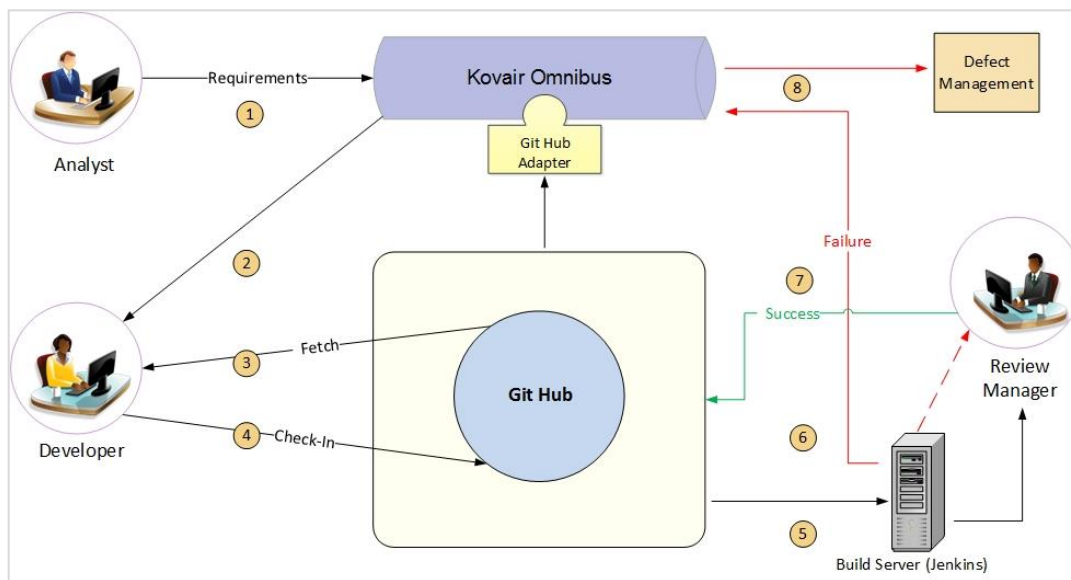
Entities Exposed	Events Collected	Actions Supported	Relations Supported
<ul style="list-style-type: none"> ❖ Repository ❖ Branch ❖ Commit ❖ File ❖ File Version ❖ Issue 	<p>All basic events like Add, Modify and Delete are supported.</p>	<p>Commit file is supported.</p>	<ul style="list-style-type: none"> ❖ Branch to Repository ❖ Commit to Repository ❖ Commit to Branch ❖ Commit to File ❖ File to Repository ❖ File to Branch ❖ File Version to File ❖ Issue to Repository ❖ Issue to Branch

GitHub Enterprise Integration Adapter Datasheet

GITHUB INTEGRATION USE CASE

Using the Kovair GitHub Adapter, the users can view the difference between various file versions. The users also get a complete traceability between commits, files, file version and issues on each check-in. The integration goes a step ahead facilitating the development team to view file directly from GitHub in Kovair. The submitted defects are passed through automated workflows for analysis and validation. Through the integration users can also get a descriptive, human-readable error message for any failed build, so that one can easily troubleshoot what went wrong. This allows the manager to get the updates from Kovair Dashboard and act upon it. Managers can also see commit related graphs (generated in GitHub) in Kovair.

As shown in the architecture diagram below, through Kovair Omnibus integration with GitHub, one can have continuous build automation, defect tracking and consolidated reporting. Visibility is gained into specific files and file versions with respect to Requirement, Change Request or Defect. Hence, ALM users can view GitHub changes right from their preferred tool environment.



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.

Call us: 408 262 0200 Extn. 1

US Corporate Office:

Kovair Software, Inc.
 2603 Camino Ramon, STE 200
 San Ramon, CA 94583
 1.408.262.0200 (T)

India Registered Office:

Kovair Software Pvt. Ltd.
 PTI Building, 6th Floor, DP- 9, Sector-V
 Salt Lake City, Kolkata - 700091
 91-33-4065 7016 / 17 / 18 / 19 (T) Extn. 109

Bangalore Office:

Kovair Software Pvt. Ltd.
 Samad House, #402, 4th B cross, 7th A
 Main, HRBR Layout, Kalyan Nagar,
 Bangalore- 560043
 91-95350 92589 (T)