

## Git Integration Adapter Datasheet

### 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**

❖ **Other Software: Java Runtime Environment**

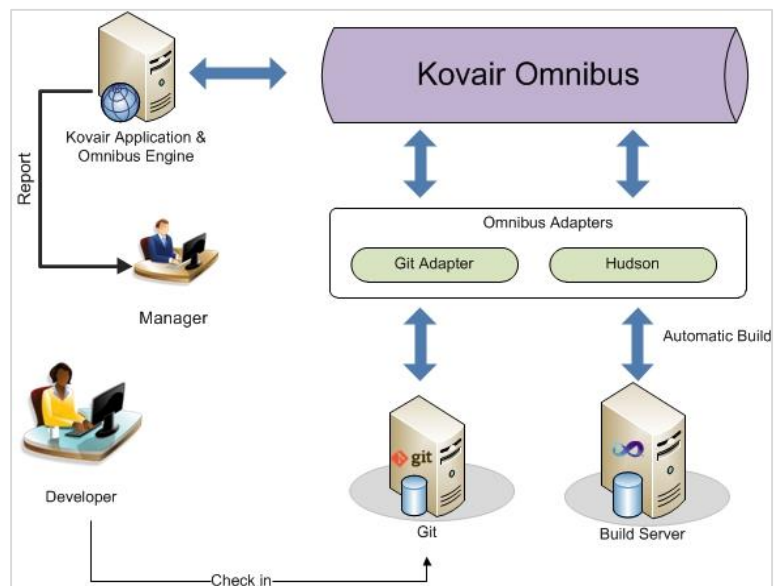
Entities Exposed	Relations Exposed
❖ Change	❖ Change to File
❖ File	❖ Change to File Version
❖ File Version	❖ File to File Version

### OVERVIEW

Git is an open source distributed version control system designed to handle everything from small to very large software applications development projects with speed and efficiency.

### KOVAIR GIT INTEGRATION ADAPTER

Kovair Omnibus has a complete integration with the complete Git Suit. So user using only Git as an Enterprise SCM tool can use the integration to track and get the complete traceability. When one pushes a change to GitHub site — whether via Git command line, desktop apps, or GitHub.com — adapter tracks all the changes and pushes the data to the bus to publish to the other tools. It can also initiate automatic build using the integration bus. This provides the manager a complete view of the changes happening without going into the SCM system. Kovair also has integration with GitHub and Gerrit. So, software development organizations can also take the benefit by implementing the integration by tracking changes, comment on lines of code, report issues, and plan the future of their projects with other connected discussion tools.

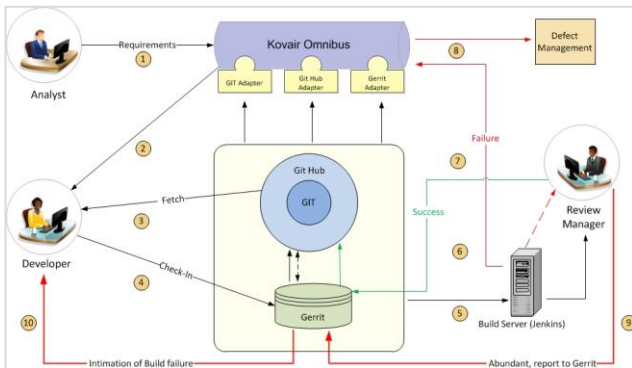


**Fig:** Kovair Integration Scenario with Git

Through Kovair Omnibus integration with Git, one can have continuous build automation and consolidated reporting.

## Git Integration Adapter Datasheet

### USECASE SCENARIO FOR KOVAIR GIT INTEGRATION



The diagram above reveals a scenario where Kovair Omnibus Integration can enhance the productivity by automatically generating Build and tracking corresponding defects.

1. An Analyst submits a requirement in the Requirement Management Tool.
2. Developer gets informed about the requirement through Omnibus integration
3. Developer starts coding by checking-out the code from repository.
4. Once development is done user checks-in the code.
5. Through integration, automatic build can be fired at Jenkins.
6. Once build is done Reviewer gets intimation to approve the code checked-in. This code once approved gets merged into the main repository. Build and Review information is tracked and passed to Omnibus.
7. If the Build fails in Build server, automatic defect is raised and pushed through Omnibus to replicate in connected tool. Also, the Review Manager is notified.
8. The defect raised in build is replicated to the connected Defect Management tool.
9. If the code checked-in fails the Build, the reviewer will abandon the Build.
10. This information is notified to the developer to re-check the code and make a fresh check-in.

Currently, Kovair Omnibus supports Git Version 1.8.4. For future releases, please visit [this page](#).

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.

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)