



Kovair Integration with GitHub

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Kovair Software is a Silicon Valley based software Product Company specializing in the domain of Integrated Application Lifecycle Management - ALM solutions. Our objective is to make the software development process better, faster and collaborative – anytime, anywhere, using any tool, platform and technology. Kovair’s focus on integrating third party best-of-breed tools enables creation of applications in a synchronized tools environment.

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Overview

GitHub Enterprise is the on-premises version of GitHub.com. With the power of Kovair Omnibus and intelligent DevOps for flexible deployment options and multiple integrations, any organization can enjoy the best aspects of working with GitHub without compromising on the features as well as the business needs.

Integration between GitHub Enterprise and Kovair Omnibus ecosystem allows one to customize development environment. From tracking issues to streamlining deployment, one can extend GitHub integration to help the development team work more efficiently across the entire development process.

Functional details

The Kovair Omnibus ecosystem allows integration with various other best of breed tools like JIRA for defect management, Jenkins for build automation with centralized orchestration being managed by the Kovair Omnibus platform. Thus, with GitHub integration in place one can link any chosen defects in JIRA defect management tool with GitHub issues. Every commit and file information is tracked to have a 360 degree view of the development cycle.

Kovair Omnibus Integration Platform supports both synchronization and federation of data. So for all issue fixes the platform users can use 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 tool's environment, that are connected to the same Omnibus Platform through their corresponding integration adapters.

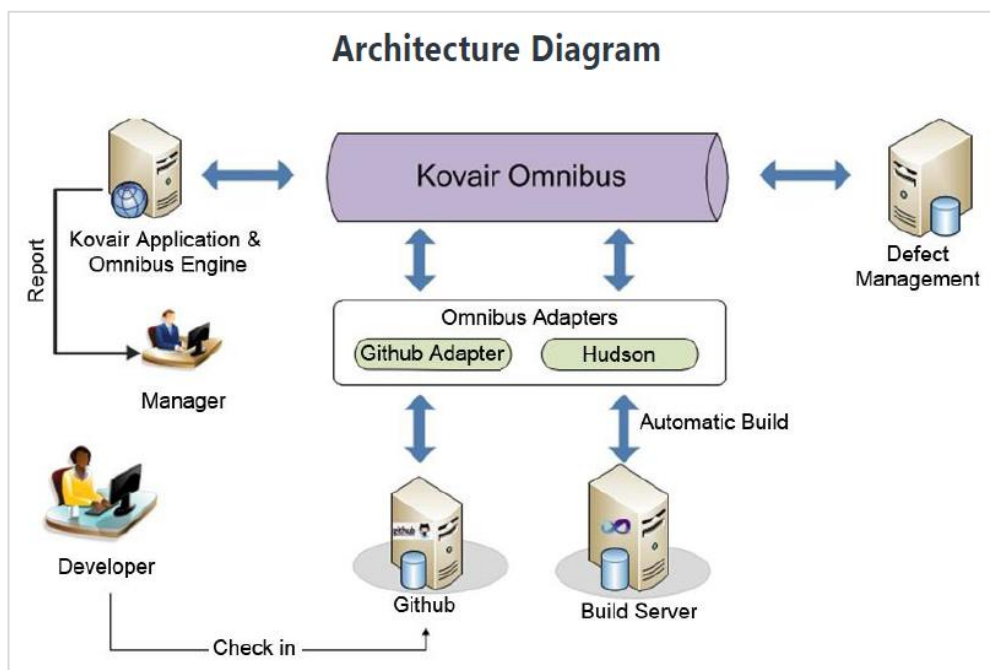


Fig: Kovair Integration with GitHub

Github Artifacts Supported

- ❖ Repository
- ❖ Branch
- ❖ Commit
- ❖ File
- ❖ File Version
- ❖ Issue

Relations Supported

- ❖ 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

Value Proposition

With the introduction of Kovair Omnibus and GitHub Integration independently or through the Kovair DevOps solution, organizations will now get the complete visibility into distributed agile project's stability and business deliverables.

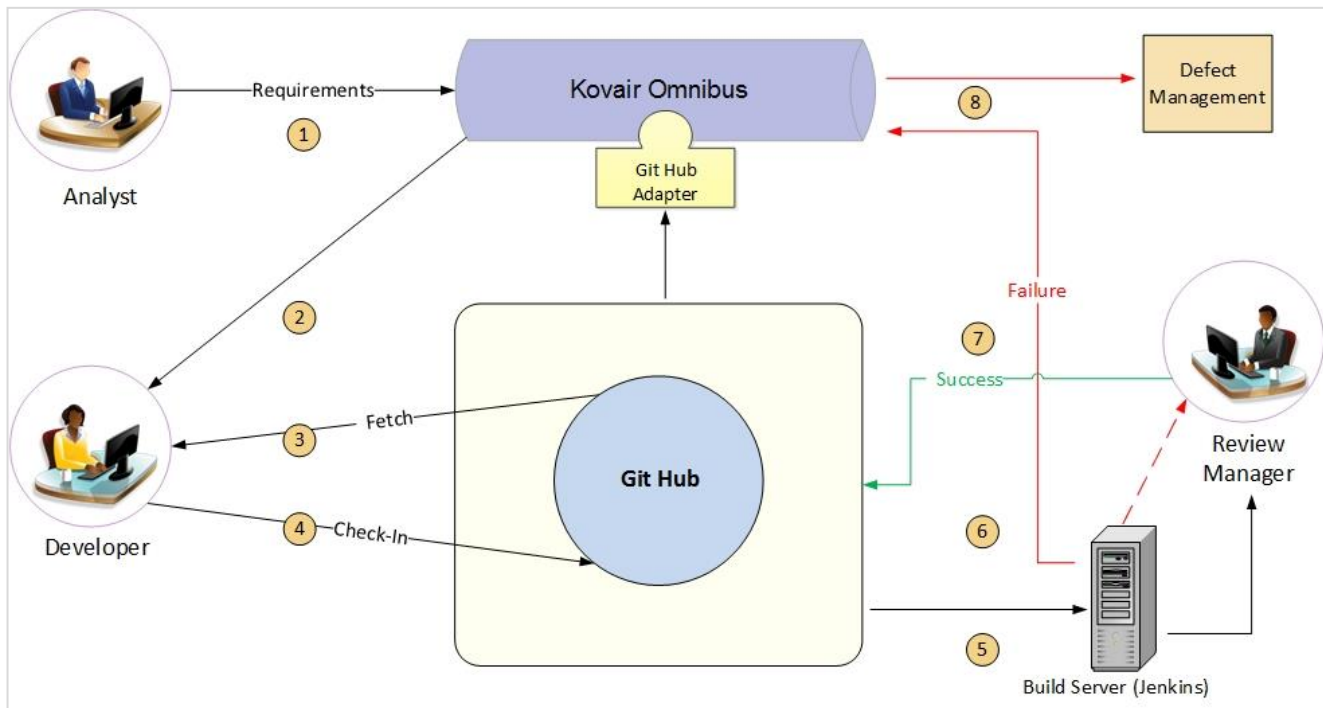
- ❖ Enable teams to move faster with hosted continuous integration and delivery.
- ❖ Track JIRA defects in real-time, as they are being fixed and resolved by development teams and checked into GitHub repository.
- ❖ Automatically build and test the code as it is pushed to GitHub, while preventing bugs being deployed to production.
- ❖ Focus on adopting the best practices

- ❖ Trace changes in any part of the code files over time, instead of viewing the entire file history

Key Role in CI & CD

Integration between Kovair Omnibus, JIRA and GitHub enables Continuous Integration (CI) for various agile teams working in a distributed fashion. When CI works well, it helps the code stay robust so that customers and other stakeholders can play with the code whenever they like.

Omnibus enables the development managers to view and track code stability from central Kovair DevOps platform. Once code is checked in GitHub enterprise, automatic build is fired from Kovair and cross bi-directional relationship is established.



Conclusion

In conclusion, Kovair’s new GitHub Enterprise integration solution is just part of Kovair’s increasing support for tool integrations and allows developers to seamlessly use Kovair Omnibus alongside their favorite software development tools.

For further details please access the Kovair GitHub integration data sheet at:

<https://www.kovair.com/adapters/github-integration/>