

JIRA Integration with HPQC

The integration of JIRA with HP Quality Center (QC) makes it easier for the development, and quality assurance (QA) teams to collaborate with each other.

This, in turn, helps in delivering a high quality product to customers at a faster pace.

Integration overview

In an Application Lifecycle Management (ALM) ecosystem, the choice of systems and the collaboration between the cross-functional teams play a great role. While the choice of systems impacts the productivity of a team, the cross-functional collaboration helps the teams get complete context of the business requirements.

Best-of-breed systems such as JIRA and HPQC bring rich functionalities to the ecosystem. By integrating JIRA and HPQC, enterprises can seamlessly manage the product development. The developers using JIRA will have clear visibility into the quality parameters and test results at all times. On the other hand, the QA team members will have real-time visibility into the codes being written and have full context of the development.

How JIRA - HPQC integration is beneficial for an enterprise

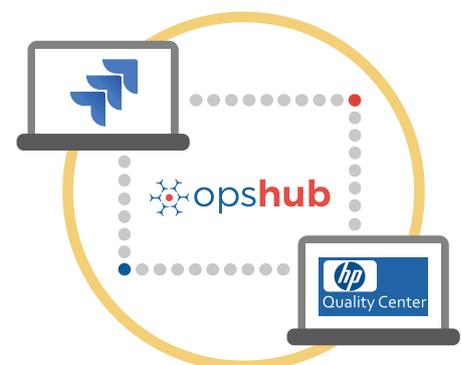
- Access to QA plans and defects in real time
- Real-time updates on the status of a story, its estimated time of delivery, and any risks that might delay the impending release
- Complete context of the customer requirement and visibility into codes written by the development team & test cases written by QA team
- Coordinate on the delivery timelines seamlessly with concurrent updates on changes

With JIRA + HPQC integration, enterprises can:

- Make better and faster decisions
- Enhance collaboration between development & QA teams
- Real-time visibility into quality parameters & test results
- Ensure quality delivery in stipulated time
- Leverage the best of functionality and collaboration in the delivery ecosystem

How OpsHub Integration Manager integrates JIRA and HPQC

OpsHub Integration Manager integrates JIRA and HPQC bidirectionally. It ensures that all historical and current data is available to each user, in that user's preferred system, with full context, in real-time. All 'stories' from JIRA synchronize to HPQC along with the scheduled dates and all 'defects' found on the story during test in HPQC synchronize to JIRA. The development and QC teams are updated on the completion of the story and the status of test results in real time.



Entities that can be synchronized between JIRA and HPQC

The popularly synchronized entities between JIRA and HPQC are on the left:

Benefits of integration for JIRA and HPQC users

JIRA users	HPQC users
No duplication of efforts for entering the same data in multiple systems	Real-time updates on the story and associated changes/enhancements
Clear visibility into quality parameters and test results in real time	Access to the business requirements, development status, and associated updates from within HPQC
No dependency on manual communication for making business decisions	No manual efforts needed to keep backend teams updated on the QA cycle and reports

Features of OpsHub Integration Manager



Supports unidirectional as well as bi-directional synchronization between 50+ systems



Maintains complete history and audit trail among integrated systems



Allows traceability between code to requirement, tickets to defects, and many other entities



Provides a robust failure management and recovery mechanism

Pre-requisites to run OpsHub Integration Manager

Supported Operating Systems

Windows

- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2 (64 bit)

Linux

- RHEL 5.2 + (64 bit)
- RHEL includes Cent OS and Fedora

Tested on the following versions:

- CentOS release 5.5 (Final)
- CentOS release 5.6 (Final)
- CentOS Linux release 7.1.1503 (Core)
- Fedora 20

Database Prerequisites

The underlying database should be installed to install and run OpsHub Integration Manager. The database user created for OpsHub Integration Manager should have schema level and read write privileges.

- MySQL Server
- MS SQL
- Oracle
- HSQLDB