

OpsHub Integration Manager for Jenkins and Rally



System Type: Building Software projects

System Description: Jenkins CI, formerly known as "Hudson Labs" is the leading open-source continuous integration server. It provides various plugins to support building and testing virtually any project. For more information, visit <https://jenkins-ci.org/>

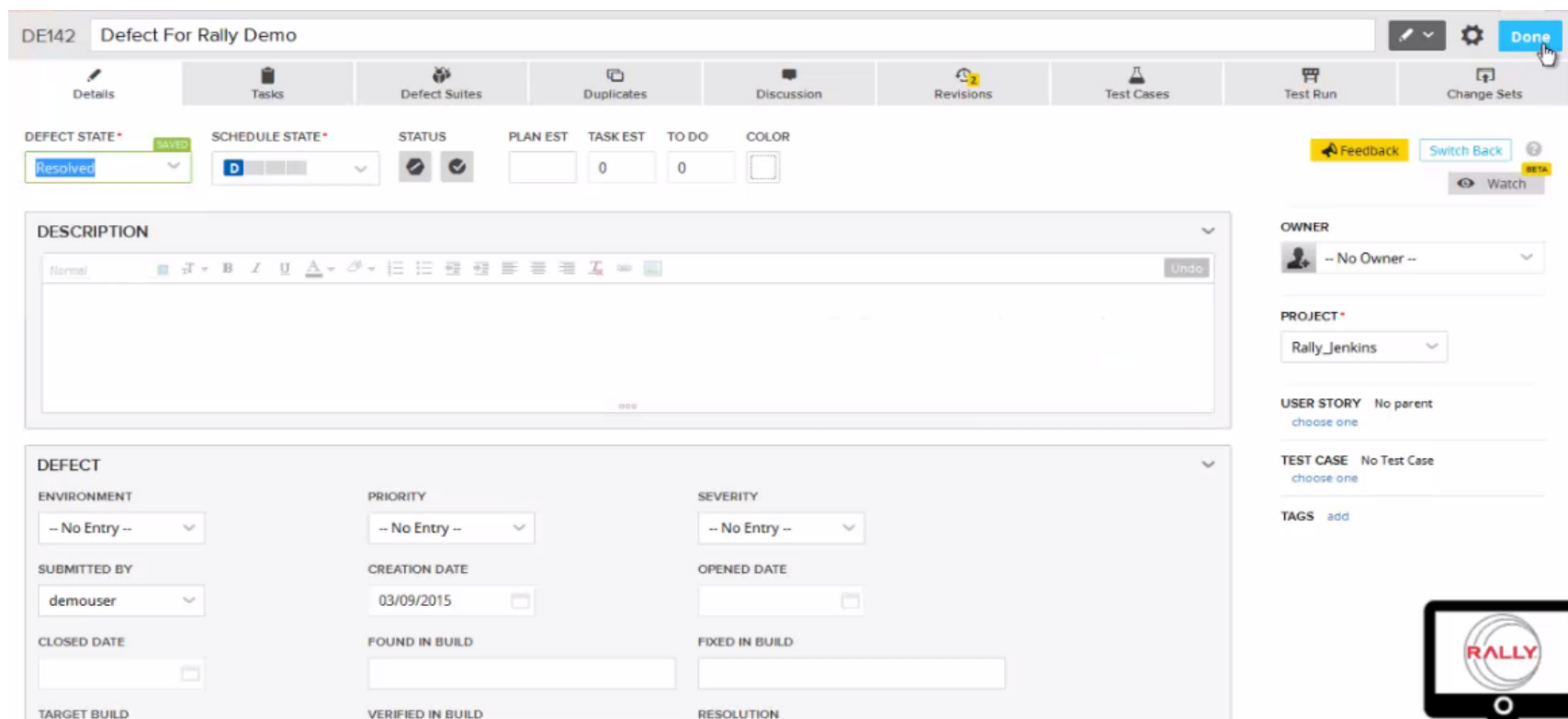
Integration Description: OpsHub Integration Manager (OIM) allows the cross-functional teams using disparate tools like Jenkins and Rally in application development organizations to effectively communicate and collaborate with each other, thus increasing overall team agility, productivity and efficiency.

OIM supports the synchronization of Build(Read Support) trigger in Jenkins to all the possible entities existing in Rally viz., Defects, User Story, Test cases, Test sets, Test Case Result (Only write support), Task.

- Supports bi-directional synchronization between Jenkins and Rally for the supported entities.
- User can get the Build results with Build URL or trigger a build from OIM.
- Provides deployment options to fit the needs of business whether On-Premise or on Customer Cloud.
- Fully manageable and functional via the web based administration tool including defining entities for synchronization between Jenkins and Rally.
- Maintains history of both systems. If any of Jenkins or Rally becomes unavailable, it will reflect all transactions that occurred during that time once the system is operational again.
- Provides with templates and ability to define custom mapping between ALM systems to support mapping of fields and linkages.
- Supports number of replication models to support development organization such as master/slave, partitioned ownership, dynamic ownership, peer-to-peer and custom.
- Proactive conflict management with support for automated conflict resolution.

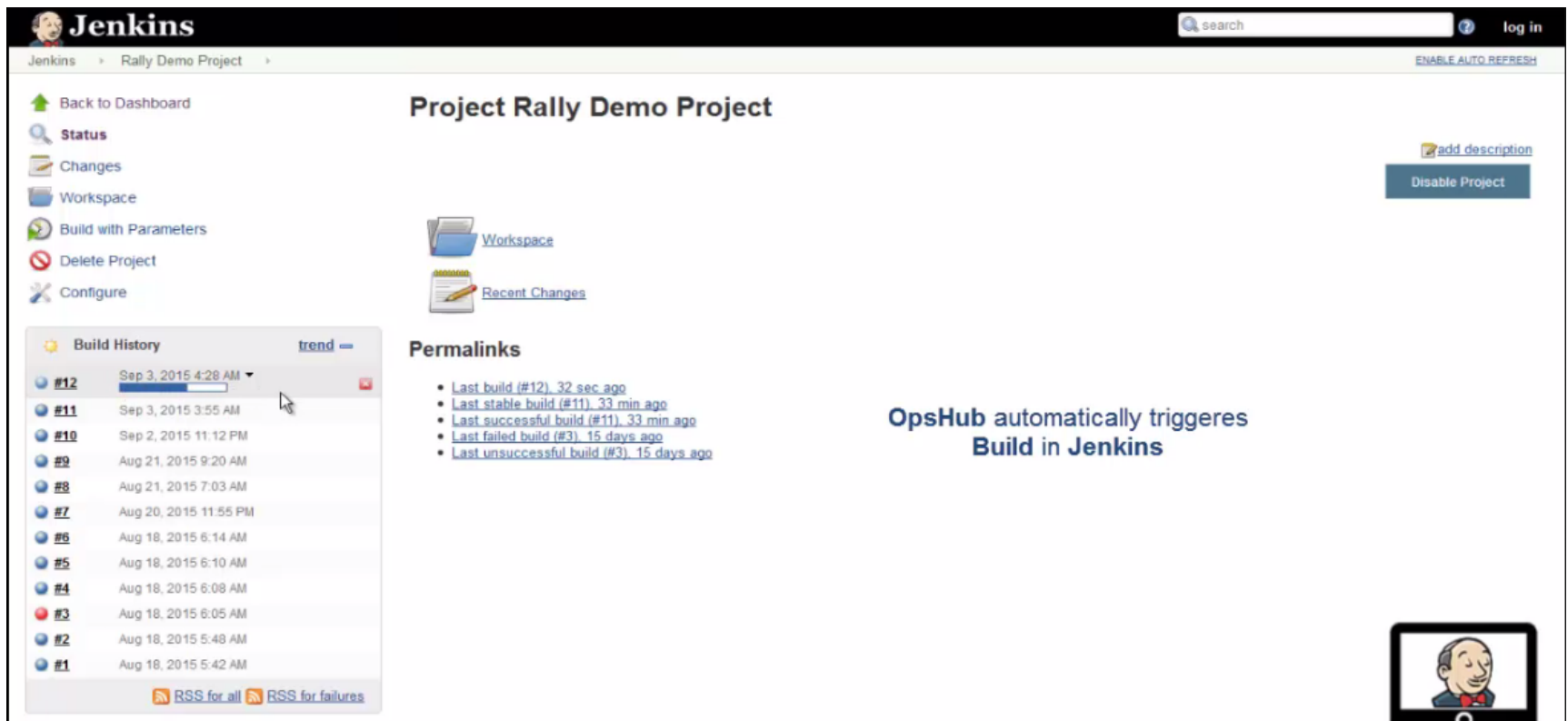
Integration Screenshot:

User marks any existing defect as Resolved in Rally which triggers a job in Jenkins.



The screenshot displays the Rally defect management interface for a defect titled "DE142 Defect For Rally Demo". The interface includes a top navigation bar with tabs for Details, Tasks, Defect Suites, Duplicates, Discussion, Revisions, Test Cases, Test Run, and Change Sets. The defect's status is "Resolved", and the "DEFECT STATE" dropdown is set to "Resolved". The "DESCRIPTION" field is empty. The "DEFECT" section contains various fields: ENVIRONMENT (No Entry), PRIORITY (No Entry), SEVERITY (No Entry), SUBMITTED BY (demouser), CREATION DATE (03/09/2015), OPENED DATE, CLOSED DATE, FOUND IN BUILD, FIXED IN BUILD, TARGET BUILD, VERIFIED IN BUILD, and RESOLUTION. The right sidebar shows the OWNER (No Owner), PROJECT (Rally_Jenkins), USER STORY (No parent), TEST CASE (No Test Case), and TAGS (add). A "RALLY" logo is visible in the bottom right corner of the interface.

Once build is executed, write build results with build URL back to Rally as comments



Build Number	Timestamp
#12	Sep 3, 2015 4:28 AM
#11	Sep 3, 2015 3:55 AM
#10	Sep 2, 2015 11:12 PM
#9	Aug 21, 2015 9:20 AM
#8	Aug 21, 2015 7:03 AM
#7	Aug 20, 2015 11:55 PM
#6	Aug 18, 2015 6:14 AM
#5	Aug 18, 2015 6:10 AM
#4	Aug 18, 2015 6:08 AM
#3	Aug 18, 2015 6:05 AM
#2	Aug 18, 2015 5:48 AM
#1	Aug 18, 2015 5:42 AM

- Last build (#12). 32 sec ago
- Last stable build (#11). 33 min ago
- Last successful build (#11). 33 min ago
- Last failed build (#3). 15 days ago
- Last unsuccessful build (#3). 15 days ago

Integration Demo:

The video shows the integration of two systems and how easily a user can configure integration and maintain it. The integration flow shown in video highlights the integration of Jenkins Build and Rally Defect. The flow will include OIM triggers a build by user marking the defect as Resolved which is fetched by OIM and synced to Rally as comments containing the Build results with Build URL.

Video Link: http://www.opshub.com/ohrel/Resources/Videos/Rally/Rally_Jenkins.mp4